

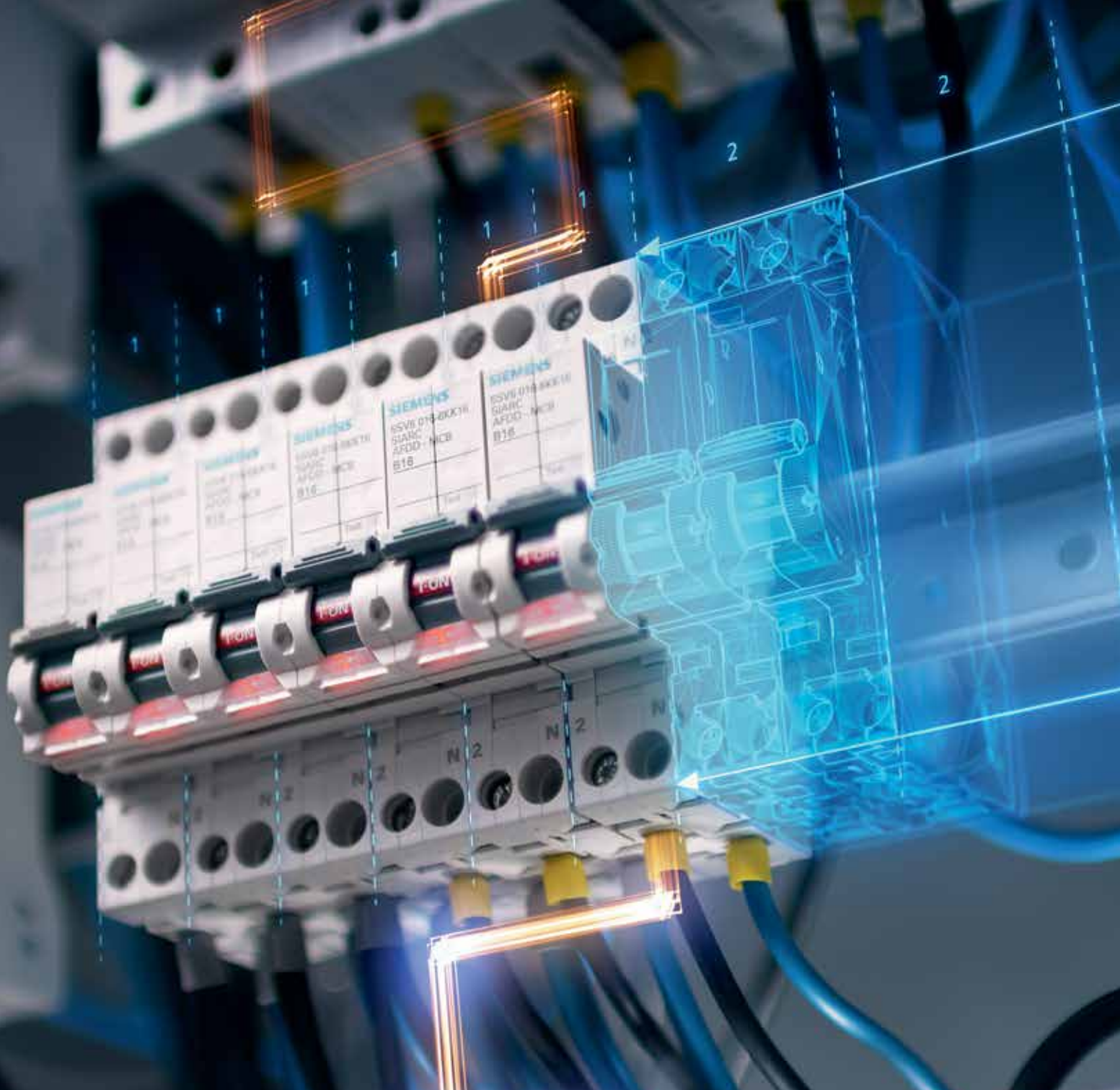


# Our commitment is **your safe future**

Electrical Installations from A to Z  
Price List w.e.f. 1<sup>st</sup> March, 2022

**SIEMENS**





## Reliable protection by preventing electrical fires

With Arc Fault Detection Device

- + Reliably detecting and shutting down hazardous arcing faults. Lower probability of electrical fires
- + Unique compact 1 module width AFDD with integrated MCB or RCBO. Easy for modification in existing installation
- + Self-test function checks the functionality of device everyday and intelligent algorithms to prevent nuisance tripping due to switching arc



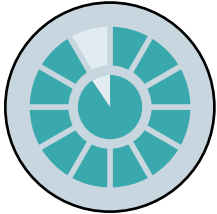
Sr. No.	Items	Pg. No.
<b>1</b>	<b>Betagard Miniature Circuit Breakers</b>	
	5SL6, 7.5kA with C characteristics	5
	5SL6, 7.5kA with B characteristics	6
	5SL4, 10kA with C characteristics	7
	5SL7, with C characteristics	8
	5SL7, with D characteristics	9
<b>2</b>	<b>Betagard Circuit Breakers</b>	
	5SL7, with K characteristics <span style="color: orange; font-weight: bold;">NEW</span>	11
	5SL4, with Z characteristics <span style="color: orange; font-weight: bold;">NEW</span>	12
	5SY4, 10kA CBs with C characteristics	13
	5SP4, 10kA with C and D characteristics	13
<b>3</b>	<b>Betagard Isolators</b>	
5TL1 Isolators	14	
<b>4</b>	<b>Betagard DC Circuit Breakers</b>	
	5SL5, 10kA DC with C characteristics	14
	5SL5, 4-pole DC with C Characteristics <span style="color: orange; font-weight: bold;">NEW</span>	15
<b>5</b>	<b>Betagard Residual Current Circuit Breakers</b>	
	5SV RCCB - Type AC, Type A	18
	5SM3 RCCB - Type AC, Type A	19
<b>6</b>	<b>Betagard Residual Current Breaker Operators</b>	
	5SU1 RCBO, 10kA, Type AC with C and D characteristics	20
	5SU1 RCBO, 10kA, Type A with C and D characteristics	21
<b>7</b>	<b>Betagard Accessories</b>	22
<b>8</b>	SINOVA - MCB, RCCB, ACCL, Switch <span style="color: orange; font-weight: bold;">NEW</span> Disconnecter	23
<b>9</b>	Arc Fault Detection Devices (AFDD) <span style="color: orange; font-weight: bold;">NEW</span>	24-27
<b>10</b>	<b>Betagard Distribution Boards</b>	
	8GB32 SPN, TPN & Phase Segregated DBs	29-31
	Industrial Plug & Socket DBs, Simbox WP DBs	32
	Accessories for Betagard DBs	33
<b>11</b>	<b>Sentron Surge Protection Devices</b>	
	Surge Protection Devices	34-37
<b>12</b>	<b>Sentron Modular Devices</b>	
	Changeover switches, Insta contactors	39
	Twilight switch, Voltage relays, Indicators and Fuse monitors	40
	Time switches	41
<b>13</b>	SINOVA MCCBs - 3VJ, <span style="color: orange; font-weight: bold;">NEW</span> RAJA* Starters ordering info	42-44
<b>14</b>	Switch Disconnecter Fuses - 3KL and Fuses - 3NA/3NW ordering info	45
<b>15</b>	Available till stocks last	46-48
<b>16</b>	Discontinued products	49
<b>17</b>	Sentron 7KN Powercenter 1000 <span style="color: orange; font-weight: bold;">NEW</span>	50-51
<b>18</b>	Multi channel current measuring system	52-53
<b>19</b>	Technical Information	54-55
<b>20</b>	Customer Care	56



# Betagard 5SL MCBs – Inspiring Safety



Terminal covers for protection



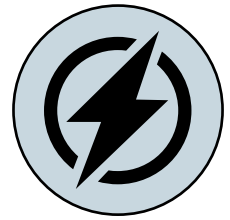
High Endurance Cycle



Ergonomic Handle for Identification



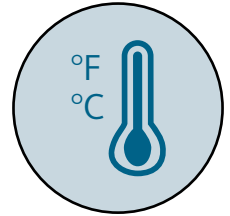
High Breaking capacity (Icn)



Very low watt loss

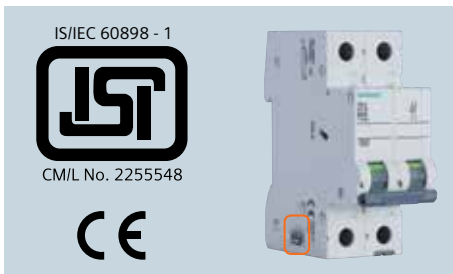


High ambient temperature

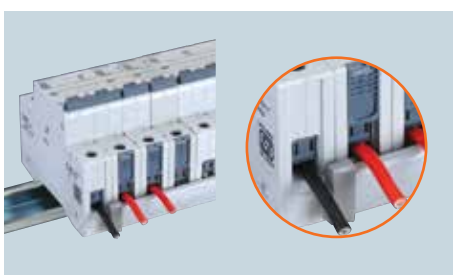


With SLR

Unique SLR (Slide Latch-Release) feature for tool free removal from DIN rail allows individual MCB to be removed from bus bar mounted assembly without disturbing other devices



BIS approval for ISI marking as per latest IS/IEC 60898-1:2015 for assured quality and protection







Unique termination mechanism enables firm mounting of Bus bar together with wire; and provides front access to wires for safe installation



# Betagard Miniature Circuit Breakers 5SL6, with C Characteristics

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz<sup>^</sup>
- With ISI marking: CM/L No. 2255548

7500A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
	1P, 240/415V AC	1	5SL61057RC	475.-	1/12	
	0.5		5SL61017RC	475.-	1/12	
	1		5SL61027RC	475.-	1/12	
	2		5SL61037RC	475.-	1/12	
	3		5SL61047RC	475.-	1/12	
	4		5SL61067RC	294.-	1/12	
	6		5SL61087RC	294.-	1/12	
	8		5SL61107RC	294.-	1/12	
	10		5SL61137RC	294.-	1/12	
	13		5SL61167RC	294.-	1/12	
	16		5SL61207RC	294.-	1/12	
	20		5SL61257RC	294.-	1/12	
	25		5SL61327RC	294.-	1/12	
	32		5SL61407RC	648.-	1/12	
	40		5SL61507RC	745.-	1/12	
50		5SL61637RC	745.-	1/12		
63						
	2P, 415V AC	2	5SL62057RC	1269.-	1/6	
	0.5		5SL62017RC	1269.-	1/6	
	1		5SL62027RC	1269.-	1/6	
	2		5SL62037RC	1269.-	1/6	
	3		5SL62047RC	1269.-	1/6	
	4		5SL62067RC	950.-	1/6	
	6		5SL62087RC	950.-	1/6	
	8		5SL62107RC	950.-	1/6	
	10		5SL62137RC	950.-	1/6	
	13		5SL62167RC	950.-	1/6	
	16		5SL62207RC	950.-	1/6	
	20		5SL62257RC	950.-	1/6	
	25		5SL62327RC	950.-	1/6	
	32		5SL62407RC	1333.-	1/6	
	40		5SL62507RC	1565.-	1/6	
50		5SL62637RC	1565.-	1/6		
63						
	3P, 415V AC	3	5SL63057RC	1782.-	1/4	
	0.5		5SL63017RC	1782.-	1/4	
	1		5SL63027RC	1782.-	1/4	
	2		5SL63047RC	1782.-	1/4	
	4		5SL63067RC	1427.-	1/4	
	6		5SL63107RC	1427.-	1/4	
	10		5SL63167RC	1427.-	1/4	
	16		5SL63207RC	1427.-	1/4	
	20		5SL63257RC	1427.-	1/4	
	25		5SL63327RC	1427.-	1/4	
	32		5SL63407RC	1997.-	1/4	
	40		5SL63507RC	2230.-	1/4	
	50		5SL63637RC	2230.-	1/4	
	63					
		4P, 415V AC	4	5SL64057RC	2460.-	1/3
0.5			5SL64017RC	2460.-	1/3	
1			5SL64027RC	2460.-	1/3	
2			5SL64047RC	2460.-	1/3	
4			5SL64067RC	1973.-	1/3	
6			5SL64107RC	1973.-	1/3	
10			5SL64167RC	1973.-	1/3	
16			5SL64207RC	1973.-	1/3	
20			5SL64257RC	1973.-	1/3	
25			5SL64327RC	1973.-	1/3	
32			5SL64407RC	2549.-	1/3	
40			5SL64507RC	2952.-	1/3	
50			5SL64637RC	2952.-	1/3	
63						

■ Stock items

Note:

\* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm





\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

# Betagard Miniature Circuit Breakers 5SL6, with B Characteristics



- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz
- With ISI marking: CM/L No. 2255548

7500A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 240/415V AC 	6	1	5SL61066RC	289.-	1/12
	10		5SL61106RC	289.-	1/12
	16		5SL61166RC	289.-	1/12
	20		5SL61206RC	289.-	1/12
	25		5SL61256RC	289.-	1/12
	32		5SL61326RC	289.-	1/12
	40		5SL61406RC	644.-	1/12
	50		5SL61506RC	724.-	1/12
	63		5SL61636RC	724.-	1/12
2P, 415V AC 	6	2	5SL62066RC	939.-	1/6
	10		5SL62106RC	939.-	1/6
	16		5SL62166RC	939.-	1/6
	20		5SL62206RC	939.-	1/6
	25		5SL62256RC	939.-	1/6
	32		5SL62326RC	939.-	1/6
	40		5SL62406RC	1321.-	1/6
	50		5SL62506RC	1553.-	1/6
	63		5SL62636RC	1553.-	1/6
3P, 415V AC 	6	3	5SL63066RC	1427.-	1/4
	10		5SL63106RC	1427.-	1/4
	16		5SL63166RC	1427.-	1/4
	20		5SL63206RC	1427.-	1/4
	25		5SL63256RC	1427.-	1/4
	32		5SL63326RC	1427.-	1/4
	40		5SL63406RC	1971.-	1/4
	50		5SL63506RC	2211.-	1/4
	63		5SL63636RC	2211.-	1/4
4P, 415V AC 	6	4	5SL64066RC	1962.-	1/3
	10		5SL64106RC	1962.-	1/3
	16		5SL64166RC	1962.-	1/3
	20		5SL64206RC	1962.-	1/3
	25		5SL64256RC	1962.-	1/3
	32		5SL64326RC	1962.-	1/3
	40		5SL64406RC	2449.-	1/3
	50		5SL64506RC	2943.-	1/3
	63		5SL64636RC	2943.-	1/3

■ Stock items

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm




\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details





# Betagard Miniature Circuit Breakers 5SL4, with C characteristics

- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50...60Hz<sup>^</sup>
- Breaking capacity: 10kA as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

10000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1P, 240/415V AC	1	5SL41057RC	530.-	1/12
	2	5SL41027RC	530.-	1/12	
	3	5SL41037RC	530.-	1/12	
	4	5SL41047RC	530.-	1/12	
	6	5SL41067RC	343.-	1/12	
	8	5SL41087RC	343.-	1/12	
	10	5SL41107RC	343.-	1/12	
	13	5SL41137RC	343.-	1/12	
	16	5SL41167RC	343.-	1/12	
	20	5SL41207RC	343.-	1/12	
	25	5SL41257RC	343.-	1/12	
	32	5SL41327RC	343.-	1/12	
	40	5SL41407RC	748.-	1/12	
	50	5SL41507RC	770.-	1/12	
63	5SL41637RC	770.-	1/12		
	2P, 415V AC	2	5SL42057RC	1421.-	1/6
	2	5SL42027RC	1421.-	1/6	
	3	5SL42037RC	1421.-	1/6	
	4	5SL42047RC	1421.-	1/6	
	6	5SL42067RC	1019.-	1/6	
	8	5SL42087RC	1019.-	1/6	
	10	5SL42107RC	1019.-	1/6	
	13	5SL42137RC	1019.-	1/6	
	16	5SL42167RC	1019.-	1/6	
	20	5SL42207RC	1019.-	1/6	
	25	5SL42257RC	1019.-	1/6	
	32	5SL42327RC	1019.-	1/6	
	40	5SL42407RC	1643.-	1/6	
	50	5SL42507RC	1643.-	1/6	
63	5SL42637RC	1643.-	1/6		
	3P, 415V AC	3	5SL43057RC	2296.-	1/4
	2	5SL43027RC	2296.-	1/4	
	3	5SL43037RC	2296.-	1/4	
	4	5SL43047RC	2296.-	1/4	
	6	5SL43067RC	1711.-	1/4	
	8	5SL43087RC	1711.-	1/4	
	10	5SL43107RC	1711.-	1/4	
	13	5SL43137RC	1711.-	1/4	
	16	5SL43167RC	1711.-	1/4	
	20	5SL43207RC	1711.-	1/4	
	25	5SL43257RC	1711.-	1/4	
	32	5SL43327RC	1711.-	1/4	
	40	5SL43407RC	2589.-	1/4	
	50	5SL43507RC	2589.-	1/4	
63	5SL43637RC	2589.-	1/4		
	4P, 415V AC	4	5SL44057RC	2887.-	1/3
	2	5SL44027RC	2887.-	1/3	
	3	5SL44037RC	2887.-	1/3	
	4	5SL44047RC	2887.-	1/3	
	6	5SL44067RC	2369.-	1/3	
	8	5SL44087RC	2369.-	1/3	
	10	5SL44107RC	2369.-	1/3	
	13	5SL44137RC	2369.-	1/3	
	16	5SL44167RC	2369.-	1/3	
	20	5SL44207RC	2369.-	1/3	
	25	5SL44257RC	2369.-	1/3	
	32	5SL44327RC	2369.-	1/3	
	40	5SL44407RC	3231.-	1/3	
	50	5SL44507RC	3231.-	1/3	
63	5SL44637RC	3231.-	1/3		

■ Stock items

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm





\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

^ Suitable for DC networks in Telecom application; 60V DC for 1P & 110V DC for 2P (contact sales office for connection diagram)

# Betagard Miniature Circuit Breakers 5SL7, with C characteristics



- Standards: IS/IEC 60898-1:2015
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
<b>1P, 240/415V AC</b> 	0.5	NEW	1	5SL71057RC	595.-	1/12
	1			5SL71017RC	595.-	1/12
	2			5SL71027RC	585.-	1/12
	4			5SL71047RC	585.-	1/12
	6			5SL71067RC	505.-	1/12
	10			5SL71107RC	505.-	1/12
	16			5SL71167RC	505.-	1/12
	20			5SL71207RC	505.-	1/12
	25			5SL71257RC	505.-	1/12
	32			5SL71327RC	505.-	1/12
	40			5SL71407RC	790.-	1/12
	50			5SL71507RC	800.-	1/12
	63			5SL71637RC	800.-	1/12
<b>2P, 415V AC</b> 	0.5	NEW	2	5SL72057RC	1600.-	1/6
	1			5SL72017RC	1600.-	1/6
	2			5SL72027RC	1570.-	1/6
	4			5SL72047RC	1570.-	1/6
	6			5SL72067RC	1145.-	1/6
	10			5SL72107RC	1145.-	1/6
	16			5SL72167RC	1145.-	1/6
	20			5SL72207RC	1145.-	1/6
	25			5SL72257RC	1145.-	1/6
	32			5SL72327RC	1145.-	1/6
	40			5SL72407RC	1725.-	1/6
	50			5SL72507RC	1725.-	1/6
	63			5SL72637RC	1725.-	1/6
<b>3P, 415V AC</b> 	0.5	NEW	3	5SL73057RC	2455.-	1/4
	1			5SL73017RC	2455.-	1/4
	2			5SL73027RC	2410.-	1/4
	4			5SL73047RC	2410.-	1/4
	6			5SL73067RC	1815.-	1/4
	10			5SL73107RC	1815.-	1/4
	16			5SL73167RC	1815.-	1/4
	20			5SL73207RC	1815.-	1/4
	25			5SL73257RC	1815.-	1/4
	32			5SL73327RC	1815.-	1/4
	40			5SL73407RC	2710.-	1/4
	50			5SL73507RC	2710.-	1/4
	63			5SL73637RC	2710.-	1/4
<b>4P, 415V AC</b> 	0.5	NEW	4	5SL74057RC	3095.-	1/3
	1			5SL74017RC	3095.-	1/3
	2			5SL74027RC	3035.-	1/3
	4			5SL74047RC	3035.-	1/3
	6			5SL74067RC	2435.-	1/3
	10			5SL74107RC	2435.-	1/3
	16			5SL74167RC	2435.-	1/3
	20			5SL74207RC	2435.-	1/3
	25			5SL74257RC	2435.-	1/3
	32			5SL74327RC	2435.-	1/3
	40			5SL74407RC	3410.-	1/3
	50			5SL74507RC	3410.-	1/3
	63			5SL74637RC	3410.-	1/3

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm





\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 63A - 10kA



# Betagard Miniature Circuit Breakers 5SL7, with D characteristics

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60898-1
- With ISI marking: CM/L No. 2255548

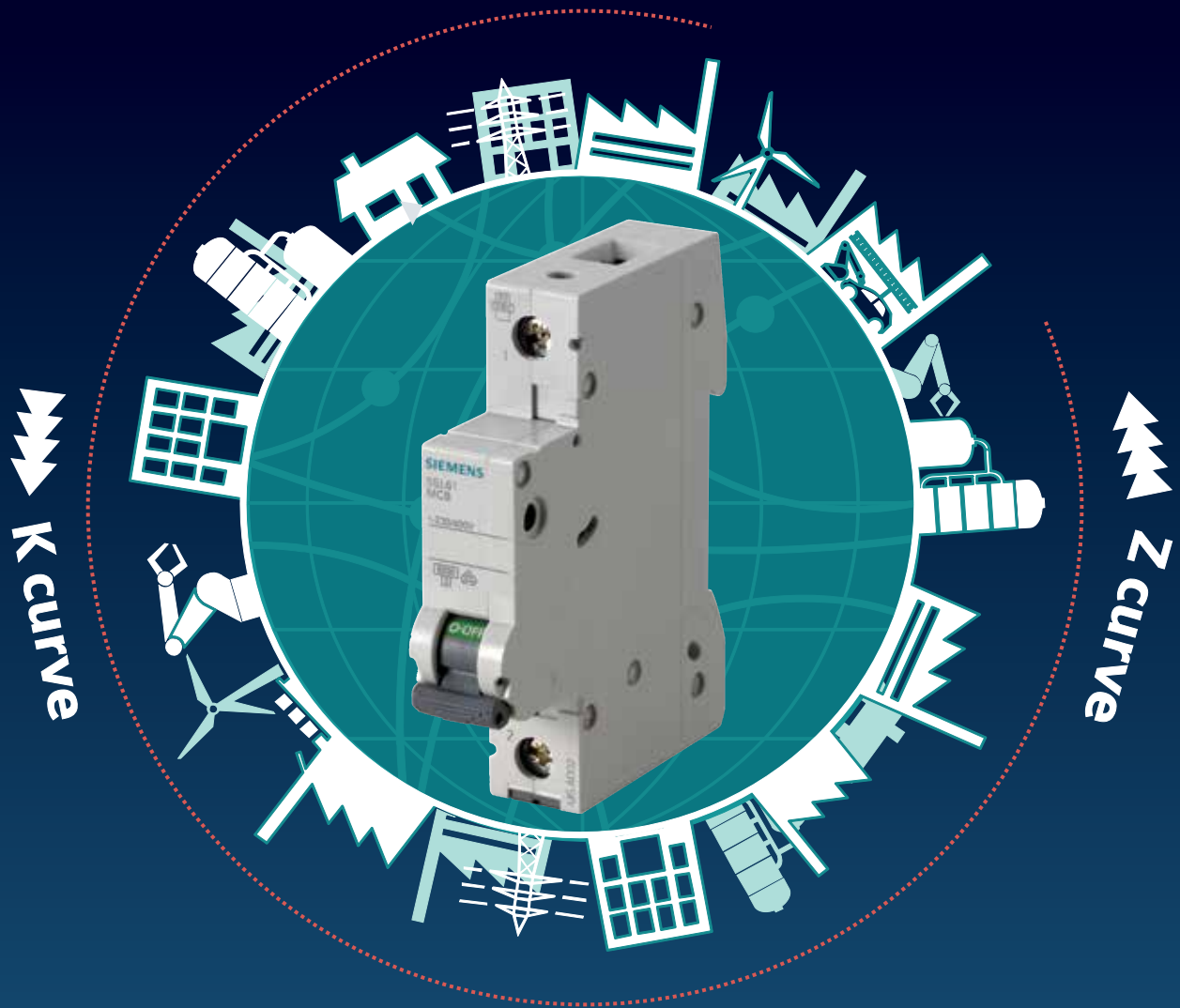
	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)	
<b>1P, 240/415V AC</b>						
	0.5	NEW	1	5SL71058RC	605.-	1/12
	1			5SL71018RC	605.-	1/12
	2			5SL71028RC	585.-	1/12
	4			5SL71048RC	585.-	1/12
	6			5SL71068RC	525.-	1/12
	10			5SL71108RC	525.-	1/12
	16			5SL71168RC	525.-	1/12
	20			5SL71208RC	525.-	1/12
	25			5SL71258RC	525.-	1/12
	32			5SL71328RC	525.-	1/12
	40			5SL71408RC	1020.-	1/12
	50			5SL71508RC	1020.-	1/12
	63			5SL71638RC	1020.-	1/12
<b>2P, 415V AC</b>						
	0.5	NEW	2	5SL72058RC	1630.-	1/6
	1			5SL72018RC	1630.-	1/6
	2			5SL72028RC	1570.-	1/6
	4			5SL72048RC	1570.-	1/6
	6			5SL72068RC	1205.-	1/6
	10			5SL72108RC	1205.-	1/6
	16			5SL72168RC	1205.-	1/6
	20			5SL72208RC	1205.-	1/6
	25			5SL72258RC	1205.-	1/6
	32			5SL72328RC	1205.-	1/6
	40			5SL72408RC	2225.-	1/6
	50			5SL72508RC	2225.-	1/6
	63			5SL72638RC	2225.-	1/6
<b>3P, 415V AC</b>						
	0.5	NEW	3	5SL73058RC	2505.-	1/4
	1			5SL73018RC	2505.-	1/4
	2			5SL73028RC	2410.-	1/4
	4			5SL73048RC	2410.-	1/4
	6			5SL73068RC	1910.-	1/4
	10			5SL73108RC	1910.-	1/4
	16			5SL73168RC	1910.-	1/4
	20			5SL73208RC	1910.-	1/4
	25			5SL73258RC	1910.-	1/4
	32			5SL73328RC	1910.-	1/4
	40			5SL73408RC	3470.-	1/4
	50			5SL73508RC	3470.-	1/4
	63			5SL73638RC	3470.-	1/4
<b>4P, 415V AC</b>						
	0.5	NEW	4	5SL74058RC	3200.-	1/3
	1			5SL74018RC	3200.-	1/3
	2			5SL74028RC	3085.-	1/3
	4			5SL74048RC	3085.-	1/3
	6			5SL74068RC	2525.-	1/3
	10			5SL74108RC	2525.-	1/3
	16			5SL74168RC	2525.-	1/3
	20			5SL74208RC	2525.-	1/3
	25			5SL74258RC	2525.-	1/3
	32			5SL74328RC	2525.-	1/3
	40			5SL74408RC	4355.-	1/3
	50			5SL74508RC	4355.-	1/3
	63			5SL74638RC	4355.-	1/3

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 40A - 63A: 10kA



## 5SL Circuit Breaker - K & Z Curve

### **"K" Characteristic Trip Curve:**

MCB trips instantaneously when the current flowing through it reaches between 10 to 14 times the rated current.

Suitable for inductive and motor loads with high inrush currents; etc

### **"Z" Characteristic Trip Curve:**

MCB trips when the current flowing through it reaches between 2 to 3 times the rated current, highly sensitive to short circuit current

Suitable for the protection of highly sensitive devices such as semiconductor devices,

- In compliance with standards IEC 60947-2
- Range available from 2A – 63A
- Comprehensive features & accessories in line with 5SL MCB
- For protection in Industrial, Infrastructure, Process Automation, Commercial applications

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**



## Betagard Circuit Breakers 5SL7, with K characteristics

NEW

- Standards: IS/IEC 60947-2
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 15kA<sup>1)</sup> as per IS/IEC 60947-2

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 240/415V AC 	2	1	5SL71023RC	535.-	1/12
	4		5SL71043RC	535.-	1/12
	6		5SL71063RC	475.-	1/12
	10		5SL71103RC	470.-	1/12
	16		5SL71163RC	475.-	1/12
	20		5SL71203RC	470.-	1/12
	25		5SL71253RC	475.-	1/12
	32		5SL71323RC	475.-	1/12
	40		5SL71403RC	840.-	1/12
63	5SL71633RC	980.-	1/12		
2P, 415V AC 	2	2	5SL72023RC	1605.-	1/6
	4		5SL72043RC	1605.-	1/6
	6		5SL72063RC	1485.-	1/6
	10		5SL72103RC	1455.-	1/6
	16		5SL72163RC	1485.-	1/6
	20		5SL72203RC	1455.-	1/6
	25		5SL72253RC	1485.-	1/6
	32		5SL72323RC	1485.-	1/6
	40		5SL72403RC	1795.-	1/6
63	5SL72633RC	2065.-	1/6		
3P, 415V AC 	2	3	5SL73023RC	2490.-	1/4
	4		5SL73043RC	2490.-	1/4
	6		5SL73063RC	2280.-	1/4
	10		5SL73103RC	2235.-	1/4
	16		5SL73163RC	2280.-	1/4
	20		5SL73203RC	2235.-	1/4
	25		5SL73253RC	2280.-	1/4
	32		5SL73323RC	2280.-	1/4
	40		5SL73403RC	2540.-	1/4
63	5SL73633RC	2850.-	1/4		
4P, 415V AC 	2	4	5SL74023RC	3180.-	1/3
	4		5SL74043RC	3180.-	1/3
	6		5SL74063RC	3000.-	1/3
	10		5SL74103RC	2945.-	1/3
	16		5SL74163RC	3000.-	1/3
	20		5SL74203RC	2945.-	1/3
	25		5SL74253RC	3000.-	1/3
	32		5SL74323RC	3000.-	1/3
	40		5SL74403RC	3275.-	1/3
63	5SL74633RC	3690.-	1/3		

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

<sup>1)</sup> Breaking capacity 40A - 63A: 10kA

# Betagard Circuit Breakers 5SL4, with Z characteristics

**NEW**

- Standards: IS/IEC 60947-2
- Voltage: Un 240/415V, 50....60Hz
- Breaking capacity: 10kA as per IS/IEC 60947-2

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 240/415V AC 	2	1	5SL41020RC	728.-	1/12
	4		5SL41040RC	728.-	1/12
	6		5SL41060RC	572.-	1/12
	10		5SL41100RC	572.-	1/12
	16		5SL41160RC	572.-	1/12
	20		5SL41200RC	572.-	1/12
	25		5SL41250RC	572.-	1/12
	32		5SL41320RC	572.-	1/12
	40		5SL41400RC	754.-	1/12
	63		5SL41630RC	754.-	1/12
2P, 415V AC 	2	2	5SL42020RC	1378.-	1/6
	4		5SL42040RC	1378.-	1/6
	6		5SL42060RC	1300.-	1/6
	10		5SL42100RC	1300.-	1/6
	16		5SL42160RC	1300.-	1/6
	20		5SL42200RC	1300.-	1/6
	25		5SL42250RC	1300.-	1/6
	32		5SL42320RC	1300.-	1/6
	40		5SL42400RC	1508.-	1/6
	63		5SL42630RC	1508.-	1/6
3P, 415V AC 	2	3	5SL43020RC	2184.-	1/4
	4		5SL43040RC	2184.-	1/4
	6		5SL43060RC	1820.-	1/4
	10		5SL43100RC	1820.-	1/4
	16		5SL43160RC	1820.-	1/4
	20		5SL43200RC	1820.-	1/4
	25		5SL43250RC	1820.-	1/4
	32		5SL43320RC	1820.-	1/4
	40		5SL43400RC	2288.-	1/4
	63		5SL43630RC	2288.-	1/4
4P, 415V AC 	2	4	5SL44020RC	2366.-	1/3
	4		5SL44040RC	2366.-	1/3
	6		5SL44060RC	2054.-	1/3
	10		5SL44100RC	2054.-	1/3
	16		5SL44160RC	2054.-	1/3
	20		5SL44200RC	2054.-	1/3
	25		5SL44250RC	2054.-	1/3
	32		5SL44320RC	2054.-	1/3
	40		5SL44400RC	2579.-	1/3
	63		5SL44630RC	2579.-	1/3

Note:


\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Betagard Circuit Breakers 5SY4, with C characteristics

- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V
- Breaking capacity: 10kA as per IEC/EN 60947-2

### C characteristic




10000A		Rated Current I <sub>n</sub> (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1Pole	80A	1	5SY41807CC	4060.-	1/1
	2Pole		2	5SY42807CC	7980.-	1/1
	3Pole		3	5SY43807CC	12455.-	1/1
	4Pole		4	5SY44807CC	17845.-	1/1

## Betagard Miniature Circuit Breakers 5SP4, with C/D characteristics






- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V
- Breaking capacity: 10kA as per IS/IEC 60898-1:2002
- With ISI marking: CM/L No. 2255548

### C characteristic

10000A		Rated Current I <sub>n</sub> (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	1-pole	80	1.5	5SP41807RC	3635.-	1/10
		100		5SP41917RC	3835.-	1/10
		125		5SP41927RC	4350.-	1/10
	2-pole	80	3	5SP42807RC	7140.-	1/5
		100		5SP42917RC	7525.-	1/5
		125		5SP42927RC	8515.-	1/5
	3-pole	80	4.5	5SP43807RC	11145.-	1/1
		100		5SP43917RC	11435.-	1/1
		125		5SP43927RC	13105.-	1/1
	4-pole	80	6	5SP44807RC	15980.-	1/1
		100		5SP44917RC	16445.-	1/1
		125		5SP44927RC	18720.-	1/1

### D characteristic

	1-pole	80	1.5	5SP41808RC	4005.-	1/10
		100		5SP41918RC	4200.-	1/10
	2-pole	80	3	5SP42808RC	8035.-	1/5
		100		5SP42918RC	8520.-	1/5
	3-pole	80	4.5	5SP43808RC	12380.-	1/1
		100		5SP43918RC	12505.-	1/1
	4-pole	80	6	5SP44808RC	17410.-	1/1
		100		5SP44918RC	17855.-	1/1

Note:

\* MRP - Maximum Retail Price



# 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Betagard Circuit Breakers 5SL5, DC with C Characteristics

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P<sup>^</sup>
- Breaking capacity: 10kA as per IS/IEC 60947-2

10000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
1P, 220V DC 	0.5	1	5SL51057RC	880.-	1/12
	1		5SL51017RC	880.-	1/12
	2		5SL51027RC	945.-	1/12
	3		5SL51037RC	995.-	1/12
	4		5SL51047RC	945.-	1/12
	6		5SL51067RC	805.-	1/12
	8		5SL51087RC	850.-	1/12
	10		5SL51107RC	805.-	1/12
	16		5SL51167RC	805.-	1/12
	20		5SL51207RC	805.-	1/12
	25		5SL51257RC	805.-	1/12
	32		5SL51327RC	805.-	1/12
	40		5SL51407RC	1205.-	1/12
	50		5SL51507RC	1205.-	1/12
	63		5SL51637RC	1205.-	1/12
2P, 440V DC 	0.5	2	5SL52057RC	1915.-	1/6
	1		5SL52017RC	1915.-	1/6
	2		5SL52027RC	1915.-	1/6
	3		5SL52037RC	2005.-	1/6
	4		5SL52047RC	1915.-	1/6
	6		5SL52067RC	1675.-	1/6
	8		5SL52087RC	1760.-	1/6
	10		5SL52107RC	1675.-	1/6
	16		5SL52167RC	1675.-	1/6
	20		5SL52207RC	1675.-	1/6
	25		5SL52257RC	1675.-	1/6
	32		5SL52327RC	1675.-	1/6
	40		5SL52407RC	2480.-	1/6
	50		5SL52507RC	2480.-	1/6
	63		5SL52637RC	2480.-	1/6




■ Stock items

<sup>^</sup> For connection diagram, contact Siemens Sales Office for further details.

• Also available DC Circuit Breakers for Solar applications - contact Siemens sales office for further details.

## Betagard Isolators 5TL1

- Standard: IS/IEC 60947-3
- Voltage: 440V AC

	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
2-pole 	40	2	5TL12400	810.-	1/1
	63		5TL12630	1065.-	1/1
	80		5TL12800	1395.-	1/1
	100		5TL12910	1775.-	1/1
	125		5TL12920	1845.-	1/1
3-pole 	40	3	5TL13400	1505.-	1/1
	63		5TL13630	1685.-	1/1
	80		5TL13800	2040.-	1/1
	100		5TL13910	2145.-	1/1
	125		5TL13920	2315.-	1/1
4-pole 	40	4	5TL14400	1765.-	1/1
	63		5TL14630	2010.-	1/1
	80		5TL14800	2415.-	1/1
	100		5TL14910	2905.-	1/1
	125		5TL14920	3150.-	1/1

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# Betagard Circuit Breakers 5SL5, 4-pole DC with C Characteristics

**NEW**

- Standards: IS/IEC 60947-2
- Voltage: 880V DC/4P<sup>^</sup>
- Breaking capacity: 10kA as per IS/IEC 60947-2

10000A	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
4P, 880V DC <sup>1)</sup>	6	4	5SL54067RC	3390.-	1/3
	10		5SL54107RC	3390.-	1/3
	16		5SL54167RC	3390.-	1/3
	25		5SL54257RC	3605.-	1/3
	32		5SL54327RC	3605.-	1/3
	40		5SL54407RC	4240.-	1/3
	63		5SL54637RC	4450.-	1/3



1) Maximum operational voltage 1000V DC

<sup>^</sup> For connection diagram, contact Siemens Sales Office for further details.

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



**SIEMENS**



**Celebrate Life, while we Care.**



# Betagard 5SV

## Residual Current Circuit Breakers



In the event of a fault, residual current protective devices reliably disconnect power to protect humans

### Fault protection

“Protection against indirect contact”

Protects people in the event of contact with electrically conductive parts, if a risk exists as a result of a fault due to the magnitude or duration of the touch voltage



### Additional protection

“Protection in case of direct contact” with  $I_{\Delta n} = 30\text{mA}$

Protects individuals if they come in direct contact with an active live part under normal operating condition



### Fire protection

“Protection from insulation faults” with  $I_{\Delta n} = 300\text{mA}$

For the prevention of fires which can be caused by insulation faults in locations exposed to fire hazards



### Surge current withstand capability

“Protection surge currents” with  $8/20\mu\text{s} > 1000\text{Amp}$

For Type “A”  have a surge current capability to avoid nuisance tripping





# Betagard Residual Current Circuit Breakers 5SV





- Standards: IS 12640 (Part 1):2016/ IEC 61008-1:2012
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

Type AC, applicable in networks for AC residual currents

		Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	2 Pole	30	25	2	5SV43120RC	3875.-	1
		100	25		5SV44120RC	4045.-	1
		300	25		5SV46120RC	4180.-	1
		30	40		5SV43140RC	4540.-	1
		100	40		5SV44140RC	4740.-	1
		300	40		5SV46140RC	4920.-	1
		30	63		5SV43160RC	6075.-	1
		100	63		5SV44160RC	6115.-	1
		300	63		5SV46160RC	6505.-	1
		30	80		5SV43170RC	9390.-	1
		100	80		5SV44170RC	9765.-	1
		300	80		5SV46170RC	9765.-	1
	4 Pole	30	25	4	5SV43420RC	5190.-	1
		100	25		5SV44420RC	5380.-	1
		300	25		5SV46420RC	5580.-	1
		30	40		5SV43440RC	5250.-	1
		100	40		5SV44440RC	5455.-	1
		300	40		5SV46440RC	5660.-	1
		30	63		5SV43460RC	6115.-	1
		100	63		5SV44460RC	6360.-	1
		300	63		5SV46460RC	6590.-	1
		30	80		5SV43470RC	9390.-	1
		100	80		5SV44470RC	9765.-	1
		300	80		5SV46470RC	9765.-	1

Type A, applicable in networks with AC and/or pulsating DC residual currents

	2 Pole	30	25	2	5SV33126RC	7085.-	1
		100	25		5SV34126RC	8350.-	1
		300	25		5SV36126RC	8350.-	1
		30	40		5SV33146RC	8035.-	1
		100	40		5SV34146RC	8370.-	1
		300	40		5SV36146RC	8370.-	1
		30	63		5SV33166RC	11685.-	1
		100	63		5SV34166RC	12015.-	1
		300	63		5SV36166RC	11445.-	1
		30	80		5SV33176RC	12570.-	1
		100	80		5SV34176RC	13520.-	1
		300	80		5SV36176RC	12875.-	1
	4 Pole	30	25	4	5SV33426RC	8405.-	1
		100	25		5SV34426RC	10370.-	1
		300	25		5SV36426RC	10370.-	1
		30	40		5SV33446RC	9280.-	1
		100	40		5SV34446RC	10370.-	1
		300	40		5SV36446RC	10370.-	1
		30	63		5SV33466RC	10595.-	1
		100	63		5SV34466RC	10530.-	1
		300	63		5SV36466RC	10530.-	1
		30	80		5SV33476RC	12735.-	1
		100	80		5SV34476RC	13520.-	1
		300	80		5SV36476RC	12875.-	1

■ Stock items

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# Betagard Residual Current Circuit Breakers 5SM3




- Standards: IS 12640 (Part 1):2016/ IEC 61008-1:2012
- Voltage: 240/415VAC, 50Hz
- With ISI marking: CM/L No. 7676092

## Type AC, applicable in networks for AC residual currents

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW#	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	30	100	4	5SM33480RC	49000.-	1
	100	100		5SM34480RC	43470.-	1
	300	100		5SM36480RC	41215.-	1
	30	125		5SM33450RC	49000.-	1
	100	125		5SM34450RC	43470.-	1
	300	125		5SM36450RC	41215.-	1
	500	125		5SM37450RC	47455.-	1

## Type A, applicable in networks with AC and/or pulsating DC residual currents

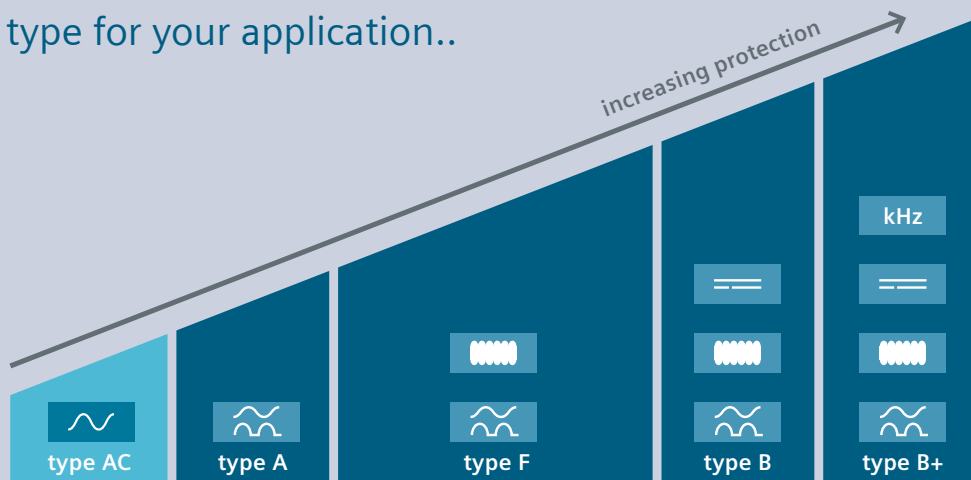
	30	100	4	5SM33486RC	44910.-	1
	100	100		5SM34486RC	43290.-	1
	300	100		5SM36486RC	43985.-	1
	30	125		5SM33456RC	44910.-	1
	100	125		5SM34456RC	43290.-	1
	300	125		5SM36456RC	47985.-	1
	500	125		5SM37456RC	49445.-	1

Note:

\* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

The right type for your application..



- sinusoidal alternating currents (type AC)
- pulsating DC residual currents (type A)

- electrical loads with frequency converters in the single-phase alternating currents (type F)

- smooth DC residual currents (type B/B+)

More information:  
[siemens.com/rccb](http://siemens.com/rccb)




# Betagard Residual Current Breaker Operators 5SU1, 10kA





- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193



Type AC, with C Characteristics (in 2 module size)<sup>5</sup>

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole <sup>1)</sup>					
	30	6	2	5SU13541RC06	6710.-	1
	30	10		5SU13541RC10	6710.-	1
	30	16		5SU13541RC16	6710.-	1
	30	20		5SU13541RC20	6710.-	1
	30	25		5SU13541RC25	6710.-	1
	30	32		5SU13541RC32	7040.-	1
	30	40		5SU13541RC40	8325.-	1
	300	6		5SU16541RC06	6830.-	1
	300	10		5SU16541RC10	6830.-	1
	300	16		5SU16541RC16	6830.-	1
	300	20		5SU16541RC20	6830.-	1
	300	25		5SU16541RC25	6830.-	1
	300	32		5SU16541RC32	7180.-	1
300	40		5SU16541RC40	8490.-	1	

Type AC with C characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13241RC32	6875.-	1
		40		5SU13241RC40	8010.-	1
		63		5SU13241RC63	9310.-	1
	100	32		5SU14241RC32	7590.-	1
		40		5SU14241RC40	8525.-	1
		63		5SU14241RC63	9940.-	1
	300	32		5SU16241RC32	7665.-	1
		40		5SU16241RC40	8610.-	1
	63		5SU16241RC63	9940.-	1	
	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13441RC32	9185.-	1
		40		5SU13441RC40	9350.-	1
		63		5SU13441RC63	11095.-	1
	100	32		5SU14441RC32	9295.-	1
		40		5SU14441RC40	9475.-	1
		63		5SU14441RC63	10890.-	1
	300	32		5SU16441RC32	9370.-	1
		40		5SU16441RC40	9555.-	1
	63		5SU16441RC63	10995.-	1	

Type AC with D characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13242RC32	8865.-	1
		40		5SU13242RC40	9715.-	1
		63		5SU13242RC63	11710.-	1
	100	32		5SU14242RC32	10730.-	1
		40		5SU14242RC40	11745.-	1
		63		5SU14242RC63	13410.-	1
	300	32		5SU16242RC32	10485.-	1
		40		5SU16242RC40	11745.-	1
	63		5SU16242RC63	13430.-	1	
	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13442RC32	12145.-	1
		40		5SU13442RC40	12325.-	1
		63		5SU13442RC63	14620.-	1
	100	32		5SU14442RC32	13145.-	1
		40		5SU14442RC40	13730.-	1
		63		5SU14442RC63	15225.-	1
	300	32		5SU16442RC32	12980.-	1
		40		5SU16442RC40	13865.-	1
	63		5SU16442RC63	14905.-	1	

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm <sup>1)</sup> 1P+N variant


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

\$ For connecting accessories with 2P 2M RCBO add handle connector 5ST38051



# Betagard Residual Current Breaker Operators 5SU1, 10kA

- Standards: IS 12640, Part 2:2016/ IEC 61009-1:2012
- Voltage: 240/415Vac, 50Hz
- With ISI marking: CM/L No. 7676193



## Type A, with C Characteristics (in 2 module size)<sup>§</sup>

	Rated residual current $I_{\Delta n}$ (mA)	Rated Current $I_n$ (A)	MW <sup>#</sup>	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	240Vac; 50Hz; 2 pole <sup>1)</sup>					
	30	6	2	5SU13547RC06	12255.-	1
	30	10		5SU13547RC10	12255.-	1
	30	16		5SU13547RC16	12255.-	1
	30	20		5SU13547RC20	12255.-	1
	30	25		5SU13547RC25	12255.-	1
	30	32		5SU13547RC32	12810.-	1
	30	40		5SU13547RC40	15495.-	1
	300	6		5SU16547RC06	12615.-	1
	300	10		5SU16547RC10	12615.-	1
	300	16		5SU16547RC16	12615.-	1
	300	20		5SU16547RC20	12615.-	1
	300	25		5SU16547RC25	12615.-	1
	300	32		5SU16547RC32	13120.-	1
	300	40		5SU16547RC40	15820.-	1

## Type A with C characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13247RC32	12460.-	1
		40		5SU13247RC40	13705.-	1
		63		5SU13247RC63	15505.-	1
	100	32		5SU14247RC32	13295.-	1
		40		5SU14247RC40	14770.-	1
		63		5SU14247RC63	16780.-	1
	300	32		5SU16247RC32	13295.-	1
		40		5SU16247RC40	14770.-	1
	63		5SU16247RC63	16780.-	1	
	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13447RC32	15250.-	1
		40		5SU13447RC40	15880.-	1
		63		5SU13447RC63	18165.-	1
	100	32		5SU14447RC32	16365.-	1
		40		5SU14447RC40	16675.-	1
		63		5SU14447RC63	18640.-	1
	300	32		5SU16447RC32	16365.-	1
		40		5SU16447RC40	16960.-	1
	63		5SU16447RC63	18930.-	1	

## Type A with D characteristic

	240Vac; 50Hz; 2 pole					
	30	32	4	5SU13248RC32	14535.-	1
		40		5SU13248RC40	16405.-	1
		63		5SU13248RC63	18665.-	1
	100	32		5SU14248RC32	15640.-	1
		40		5SU14248RC40	17395.-	1
		63		5SU14248RC63	19815.-	1
	300	32		5SU16248RC32	15640.-	1
		40		5SU16248RC40	17395.-	1
	63		5SU16248RC63	19815.-	1	
	415Vac; 50Hz; 4 pole					
	30	32	7	5SU13448RC32	17995.-	1
		40		5SU13448RC40	18220.-	1
		63		5SU13448RC63	21490.-	1
	100	32		5SU14448RC32	18955.-	1
		40		5SU14448RC40	20255.-	1
		63		5SU14448RC63	22055.-	1
	300	32		5SU16448RC32	18955.-	1
		40		5SU16448RC40	20255.-	1
	63		5SU16448RC63	22060.-	1	

Note: \* MRP - Maximum Retail Price

# 1MW (Module Width) = 18mm









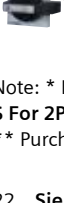

<sup>1)</sup> 1P+N variant

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details


§ For connecting accessories with 2P 2M RCBO add handle connector 5ST38051

## Betagard Accessories

### Accessories for 5SL / 5SY / 5SP MCBs, 5TL isolators, 5SV/5SM RCCBs and 5SU1 RCBOs

	Item Description	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
	<b>Aux contact block</b> (For 5SL/5SY/5SP4/5TL/5SV/5SU1)			
	1NO+1NC	5ST3010	1460.-	12
	2NO	5ST3011	1485.-	1
	2NC	5ST3012	1485.-	1
	1CO	5ST3016	2315.-	1
	<b>Fault signal contact</b> (For 5SL/5SY/5SP4/5SV/5SU1)			
	1NO+1NC	5ST3020	2140.-	1
	2NO	5ST3021	2180.-	1
	2NC	5ST3022	2180.-	1
	<b>Shunt release</b> (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1)			
	110...415V AC	5ST3030	6010.-	1/5
	24...48V DC	5ST3031	6010.-	1/5
	<b>Auxiliary and fault signal changeover contact</b> (For 5SL/5SY/5SP4/5TL/5SV/5SU1)	5ST3062	6565.-	1
	Auxiliary switch - 1CO Fault contact - 1CO			
	<b>Auxiliary contact block for 5SM3 100-125A 4pole</b>			
	1NO+1NC	5SW3330	6135.-	1/10
	<b>Undervoltage release</b> (For 5SL5/5SL7/5SY/5SP4/5SV/5SU1)			
	With integrated aux. switch			
	230V AC	5ST3040	8065.-	1/5
	110V DC	5ST3041	8065.-	1/5
	24V DC	5ST3042	8065.-	1/5
	Without integrated aux. switch			
	230V AC	5ST3043	8065.-	1/5
110V DC	5ST3044	8065.-	1/5	
	24V DC	5ST3045	8065.-	1/5
	Remote control mechanism unit			
	Basic version for 5SL,5SY,5TL1 and 5SU1 (1P+N only) (12-30)VAC & (12-48)VDC, 1.5MW	5ST3053	35980.-	1
	230VAC, 2MW	5ST3054	35980.-	1
	Power version for 5SL,5SY,5TL1 and 5SU1 (12-30)VAC & (12-48)VDC, 2MW	5ST3055	60885.-	1
	230VAC, 2MW	5ST3056	60885.-	1
	Adapter for Remote control mechanism (To be ordered along with 5ST305X basic unit)			
	For 5SL - 1P & 2P, 5SV - 4P	5ST38206	760.-	1
	For 5SL - 3P & 4P	5ST38207	760.-	1
	For 5SY - 1P & 2P and For 5SU1^ - 2P, 4M	5ST38201	760.-	1
	For 5SY - 3P & 4P and For 5SU1^ - 4P, 7M	5ST38202	760.-	1
For 5SU1 - 2P, 2M	5ST38205	760.-	1	
^ Add-on block for 5SU1 to be ordered along with Adapter	5ST38203	1655.-	1	
	<b>Handle locking device</b>			
	for 5SP and 5SY circuit breakers for padlock with max. 3mm shackle	5ST3801	745.-	1
	for 5SL circuit breakers, 5TL1 isolators and 5SV residual current circuit breakers for padlock with max. 3 to 6 mm shackle	5ST3806	710.-	5
	Pad locks for 5ST3801 and 5ST3806 handle locking devices	5ST3802	480.-	5
	Handle connector for 2P, 2M 5SU1 RCBO <sup>5</sup> (1set = 5 units in poly bag)	5ST38051	1490.-	1

### Betagard Rotary Handle Assembly

	Item Description	Reference No.	Unit MRP* ₹	Std. Pkg.** (Nos.)
	Rotary Handle Assembly for 5SY, 5SL, 5SP and 5TL1 series of MCBs/ Isolators <sup>55</sup>	5ST38140RC	2675.-	1

Note: \* MRP - Maximum Retail Price # 1MW (Module Width) = 18mm

\$ For 2P, 2M RCBOs, the accessories can be used along with Handle connector only

\$\$ Not suitable for 1P variants

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details





ACCL



MCB



RCCB



Switch  
Disconnecter

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thanks to

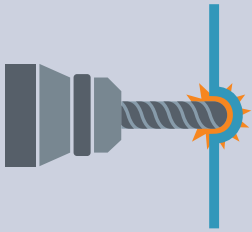
# SIARC

technology

## World's smallest AFDD

Thanks to innovative SIARC technology, the AFDD is the only protection device that detects parallel as well as serial arcing faults. Common causes are, among others:

First arc fault detection device (AFDD) in the IEC market (2012) for preventive fire protection  
First AFDD with integrated MCB in 1 modular width (MW)



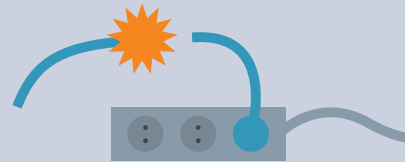
damaged wire insulation



crushed cables

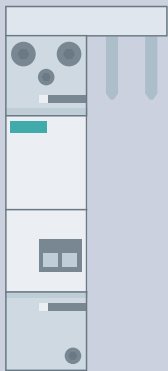


rodent damage



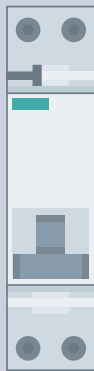
broken cables

**#1** Be the first to play it safe with the 5SV6 AFDD



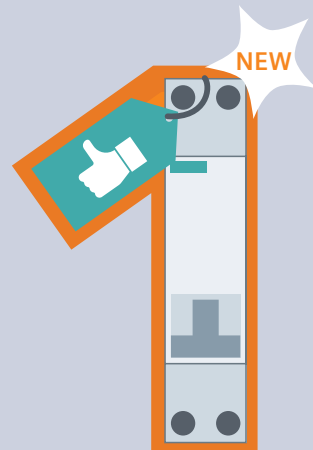
Arc fault detection unit

+



Miniature circuit breaker

=

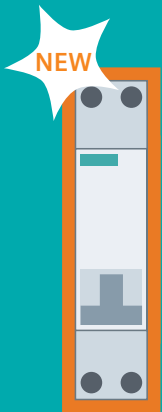


5SV6 AFDD

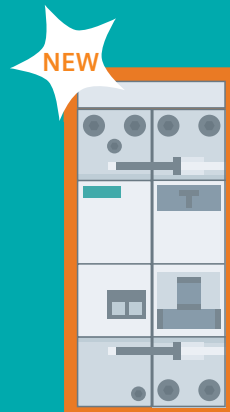
1 MW

# AFDDs are strongly recommended!

## Comprehensive portfolio for preventive fire protection



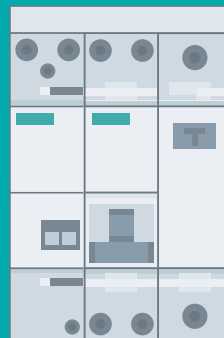
**5SV6 AFDD**  
+ integrated MCB = 1 MW



**5SM6 AFD unit**  
+ 5SV1 RCBO = 2 MW



**5SM6 AFD unit**  
+ 5SY60 MCB = 2 MW



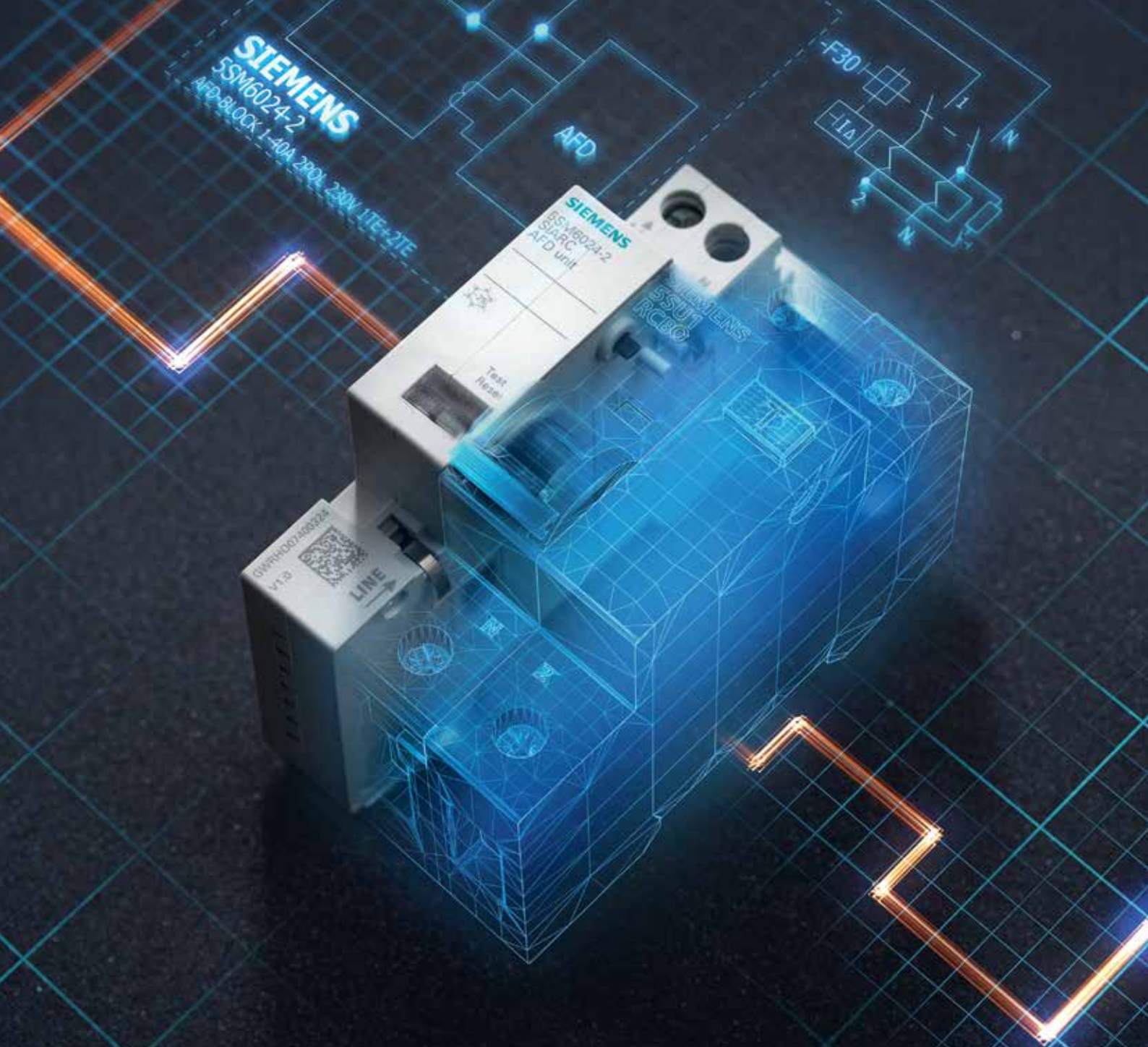
**5SM6 AFD unit**  
+ 5SU1 RCBO = 3 MW

More information available at [siemens.com/afdd](https://www.siemens.com/afdd)

## It's Time to Act Now!

## Preventive, Proven, Standard compliant

[siemens.com/protection-concept](https://www.siemens.com/protection-concept)



# | Arc Fault Detection Device

## It's Time to Act Now!

With the 5SV6 Arc Fault Detection Device (AFDD), Siemens presents the third generation of fire-prevention product. The 5SV6 Arc Fault Detection Device with integrated miniature circuit breaker (MCB) is the first device on the IEC market with just one module width and is the smallest of its kind worldwide.

A standard-compliant expansion of the electrical installation by protection against electrical fires is thus always possible – easily and without the need for additional space.

[www.siemens.com/afd-units](http://www.siemens.com/afd-units)

**SIEMENS**



**NEW**



## The smart solution.

Whether in an existing plant or a new installation – the 5SV6 AFDD and 5SM6 AFD unit can be deployed in any distribution board. It quickly identifies dangerous faults caused by parallel or serial arcing faults and switches off before a fire occurs. The AFDD detects operational arcing faults and only trips in the event of an actual fault.

### 5SV6 AFDDs with Integrated MCB & RCBO in 18mm width



Rating	With integrated MCB		With integrated RCBO	Unit LP* ₹
	B characteristic	C characteristic	30mA, Type A, C characteristic	
6A	5SV60166KK06	5SV60167KK06	5SV63167KK06	Price on Request
10A	5SV60166KK10	5SV60167KK10	5SV63167KK10	
13A	5SV60166KK13	5SV60167KK13	5SV63167KK13	
16A	5SV60166KK16	5SV60167KK16	5SV63167KK16	
20A	5SV60166KK20	5SV60167KK20	5SV63167KK20	
25A	5SV60166KK25	5SV60167KK25	5SV63167KK25	
32A	5SV60166KK32	5SV60167KK32	5SV63167KK32	
40A	5SV60166KK40	5SV60167KK40	5SV63167KK40	

### 5SM6 AFDD with integrated MCB



Rating	Module width	Reference No.	Description	Unit LP* ₹
16A	2	5SM60111XX02	AFDD 16A, 230V, 2MW (Integrated with 1MW, 1+N, 16A MCB)	Price on Request

### 5SM6 AFD units (Suitable for add on with RCBO)



Rating	Module width	Reference No.	Description	Unit LP* ₹
16A	3	5SM60212	AFD Unit 1-16A, 230V, 1MW (Suitable for 2P 2M, 5SU1 RCBO)	Price on Request
40A	3	5SM60242	AFD Unit 1-40A, 230V, 1MW (Suitable for 2P 2M, 5SU1 RCBO)	

\* LP - List Price



# Betagard 8GB Distribution Boards

Perfect blend of beauty and features with assured performance







- Complete range for Residential, Commercial and Industrial Infrastructures
- DBs offer latest design with highest aesthetic appeal
- DBs available with type testing as per the latest applicable standards
- User friendly design offers ease during maintenance and assists the installer for correct installation

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**SIEMENS**

## Betagard Distribution Boards 8GB32 # SPN and TPN DBs

- Type Tested as per IEC 61439 Standards at third party and internal test laboratories
- Available in IP 20 and IP 43 Versions
- Single Door, Metal Double Door and Acrylic Double Door options available
- Standard Wire Way Boxes available for all Single Door and Double Door DBs
- Additional safety with Insulated Shorting Links, Shrouded Neutral Links and Door Earthing
- TPN DBs can be easily made suitable for PPI configuration using TPN to PPI Conversion Kits
- Detachable DIN rail assembly and intermittent door facilitates ease in Wiring during installation and maintenance
- DBs are subjected to Seven tank process and treated with premium quality powder coating
- Cement Masking Sheet protects the DBs against extreme site conditions

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Metal Enclosures, IP20:</b>							
	1 Module	-	-	1	8GB32100RC01	725.-	1/20
	2 Module	-	-	2	8GB32100RC02	1080.-	1/20
	3 Module	-	-	3	8GB32100RC03	1080.-	1/20
	4 Module	-	-	4	8GB32100RC04	1080.-	1/20
	6 Module	-	-	6	8GB32100RC06	1425.-	1/20
	8 Module	-	-	8	8GB32100RC08	1680.-	1/10
<b>SPN Single Door DBs#, IP20:</b>							
	6 Module	2	4	6	8GB32101RC06	2135.-	1
	8 Module	2	6	8	8GB32101RC08	2265.-	1
	10 Module	2	8	10	8GB32101RC10	2730.-	1
	12 Module	2	10	12	8GB32101RC12	2825.-	1
	14 Module	2	12	14	8GB32101RC14	3195.-	1
	16 Module	2	14	16	8GB32101RC16	3445.-	1
<b>SPN Metal Double Door DBs#, IP 43:</b>							
	6 Module	2	4	6	8GB32102RC06	3335.-	1
	8 Module	2	6	8	8GB32102RC08	3460.-	1
	10 Module	2	8	10	8GB32102RC10	4030.-	1
	12 Module	2	10	12	8GB32102RC12	4135.-	1
	14 Module	2	12	14	8GB32102RC14	4820.-	1
	16 Module	2	14	16	8GB32102RC16	4940.-	1
<b>SPN Acrylic Double Door DBs#, IP 43:</b>							
	6 Module	2	4	6	8GB32103RC06	3915.-	1
	8 Module	2	6	8	8GB32103RC08	4135.-	1
	10 Module	2	8	10	8GB32103RC10	4820.-	1
	12 Module	2	10	12	8GB32103RC12	5175.-	1
	14 Module	2	12	14	8GB32103RC14	5400.-	1
	16 Module	2	14	16	8GB32103RC16	5630.-	1
<b>Wire Way Box For SPN Single Door IP 20 DBs:</b>							
	For 6 MOD SPN Single door DB	-	-	-	8GB32106RC06	1405.-	1/5
	For 8 MOD SPN Single door DB	-	-	-	8GB32106RC08	1405.-	1/5
	For 10 MOD SPN Single door DB	-	-	-	8GB32106RC10	1515.-	1/5
	For 12 MOD SPN Single door DB	-	-	-	8GB32106RC12	1515.-	1/5
	For 14 MOD SPN Single door DB	-	-	-	8GB32106RC14	1745.-	1/5
	For 16 MOD SPN Single door DB	-	-	-	8GB32106RC16	1745.-	1/5
<b>Wire Way Box For SPN Double Door IP 43 DBs:</b>							
	For 6 MOD SPN Double door DB	-	-	-	8GB32107RC06	1515.-	1/5
	For 8 MOD SPN Double door DB	-	-	-	8GB32107RC08	1515.-	1/5
	For 10 MOD SPN Double door DB	-	-	-	8GB32107RC10	1640.-	1/5
	For 12 MOD SPN Double door DB	-	-	-	8GB32107RC12	1640.-	1/5
	For 14 MOD SPN Double door DB	-	-	-	8GB32107RC14	2090.-	1/5
	For 16 MOD SPN Double door DB	-	-	-	8GB32107RC16	2090.-	1/5

Note: \* MRP - Maximum Retail Price # Also available in flat door option  
For Customized Solutions in Distribution Boards please Contact our sales Office

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Betagard Distribution Boards 8GB32 # SPN and TPN DBs

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>TPN Single Door DBs#, IP20:</b>							
	4 way	8	12	20	8GB32201RC04	5365.-	1
	6 way	8	18	26	8GB32201RC06	6090.-	1
	8 way	8	24	32	8GB32201RC08	7355.-	1
	10 way	8	30	38	8GB32201RC10	10665.-	1
	12 way	8	36	44	8GB32201RC12	10890.-	1
	14 way	8	42	50	8GB32201RC14	12490.-	1
	16 way	8	48	56	8GB32201RC16	12960.-	1
<b>TPN Metal Double Door DBs#, IP 43</b>							
	4 way	8	12	20	8GB32202RC04	6550.-	1
	6 way	8	18	26	8GB32202RC06	7920.-	1
	8 way	8	24	32	8GB32202RC08	9520.-	1
	10 way	8	30	38	8GB32202RC10	13755.-	1
	12 way	8	36	44	8GB32202RC12	14095.-	1
	14 way	8	42	50	8GB32202RC14	16730.-	1
	16 way	8	48	56	8GB32202RC16	17205.-	1
<b>TPN Acrylic Double Door DBs#, IP 43</b>							
	4 way	8	12	20	8GB32203RC04	7920.-	1
	6 way	8	18	26	8GB32203RC06	9750.-	1
	8 way	8	24	32	8GB32203RC08	11695.-	1
	10 way	8	30	38	8GB32203RC10	15255.-	1
	12 way	8	36	44	8GB32203RC12	17755.-	1
	14 way	8	42	50	8GB32203RC14	19020.-	1
	16 way	8	48	56	8GB32203RC16	20295.-	1
<b>TPN to PPI Conversion Kit®</b>							
	To convert 6 way TPN DB to 4 way TPN PPI DB				8GB32205RC04	4135.-	1/5
	To convert 8 way TPN DB to 6 way TPN PPI DB				8GB32205RC06	4820.-	1/5
	To convert 10 way TPN DB to 8 way TPN PPI DB				8GB32205RC08	4940.-	1/5
	To convert 12 way TPN DB to 10 way TPN PPI DB				8GB32205RC10	5280.-	1/5
	To convert 14 way TPN DB to 12 way TPN PPI DB				8GB32205RC12	5630.-	1/5
	To convert 16 way TPN DB to 14 way TPN PPI DB				8GB32205RC14	5960.-	1/5
<b>Wire Way Box For TPN Single Door IP 20 DBs</b>							
	For 4 Way TPN Single door DB	-	-	-	8GB32206RC04	1745.-	1/5
	For 6 Way TPN Single door DB	-	-	-	8GB32206RC06	1745.-	1/5
	For 8 Way TPN Single door DB	-	-	-	8GB32206RC08	3115.-	1/5
	For 10 Way TPN Single door DB	-	-	-	8GB32206RC10	3915.-	1/5
	For 12 Way TPN Single door DB	-	-	-	8GB32206RC12	4030.-	1/5
	For 14 Way TPN Single door DB	-	-	-	8GB32206RC14	4135.-	1/5
	For 16 Way TPN Single door DB	-	-	-	8GB32206RC16	4380.-	1/5
<b>Wire Way Box For TPN Double Door IP 43 DBs</b>							
	For 4 Way TPN Double door DB	-	-	-	8GB32207RC04	1855.-	1/5
	For 6 Way TPN Double door DB	-	-	-	8GB32207RC06	2090.-	1/5
	For 8 Way TPN Double door DB	-	-	-	8GB32207RC08	3335.-	1/5
	For 10 Way TPN Double door DB	-	-	-	8GB32207RC10	3570.-	1/5
	For 12 Way TPN Double door DB	-	-	-	8GB32207RC12	4380.-	1/5
	For 14 Way TPN Double door DB	-	-	-	8GB32207RC14	4600.-	1/5
	For 16 Way TPN Double door DB	-	-	-	8GB32207RC16	4730.-	1/5

Note: \* MRP - Maximum Retail Price

@ Contains required accessories to Make the DB suitable for PPI Configuration  
For Customized Solutions in Distribution Boards please Contact our sales Office

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

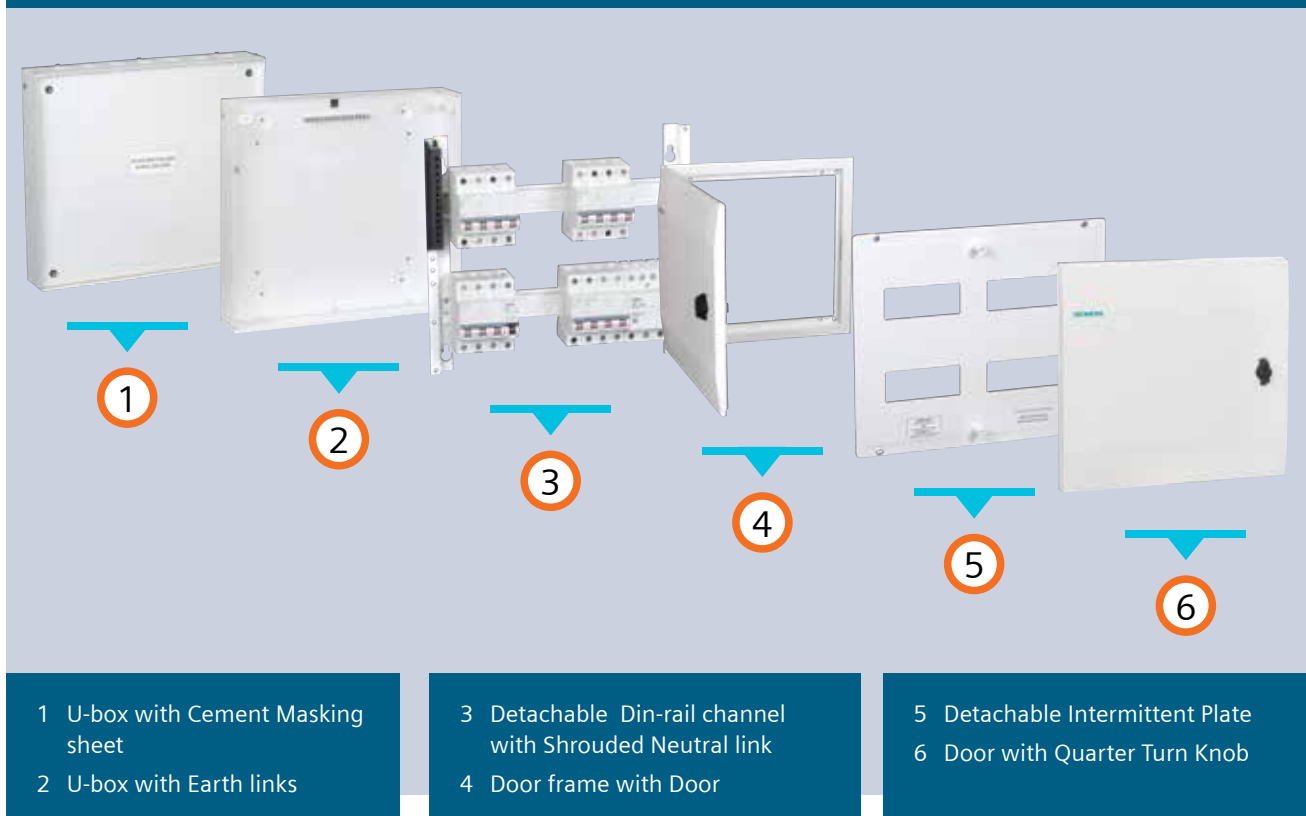
# Also available in flat door option



## Betagard Distribution Boards 8GB32 TPN Phase Segregated DBs

Item Description	Incoming Slots (MW)	Sub-Incomer Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>TPN Phase segregated DBs, IP 20 For MCB as incomer</b>							
4 Way	12	12	12	36	8GB32001RC04	14775.-	1
6 Way	12	12	18	42	8GB32001RC06	16615.-	1
8 Way	12	12	24	48	8GB32001RC08	19395.-	1
12 Way	12	12	36	60	8GB32001RC12	23090.-	1
<b>TPN Phase segregated DBs, (8 segment) IP 43 For MCB as incomer</b>							
4 way	12	12	12	36	8GB32002RC04	17545.-	1
6 way	12	12	18	42	8GB32002RC06	20315.-	1
8 way	12	12	24	48	8GB32002RC08	23090.-	1
12 way	12	12	36	60	8GB32002RC12	27705.-	1
<b>TPN Phase segregated DBs, IP 43 for MCCB as incomer upto 160A</b>							
6 way		12	18	30	8GB32012RC06	31385.-	1
8 way		12	24	36	8GB32012RC08	36010.-	1
12 way		12	36	48	8GB32012RC12	40625.-	1
<b>Wire Way box for MCB Incomer, IP 43 DBs</b>							
For 4 Way	-	-	-	-	8GB32007RC04	4610.-	1
For 6 Way	-	-	-	-	8GB32007RC06	5535.-	1
For 8 Way	-	-	-	-	8GB32007RC08	6455.-	1
For 12 Way	-	-	-	-	8GB32007RC12	7375.-	1
<b>Wire Way box for MCCB Incomer, IP 43 DBs</b>							
For 6 Way	-	-	-	-	8GB32017RC06	5535.-	1
For 8 Way	-	-	-	-	8GB32017RC08	6455.-	1
For 12 Way	-	-	-	-	8GB32017RC12	7375.-	1


## Betagard Distribution Board 8GB




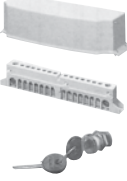
Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Industrial plug & sockets

	Item Description	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Plug &amp; Socket, IP20 with provision for MCB mounting :</b>					
	1 Phase 20A, 1P MCB	1	8GB0501RC	2395.-	1/20
	1 Phase 20A, 2P MCB	2	8GB0501SRC	2395.-	1/20
	3 Phase 32A, 3P MCB	3	8GB0502	5075.-	1/15
	3 Phase 32A, 3P+N MCB	4	8GB0502S	5075.-	1/15
	5 Pin (3P+N+PE) 3Phase 32A MCB 3P+N MCB	8	8GB050332	8015.-	1/5
	5 Pin (3P+N+PE) 3Phase 63A MCB 3P+N MCB	8	8GB050363	20885.-	1/5

## Simbox WP

	Item Description	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Simbox WP (IP65 DBs)</b>					
	1 Row, 4Mod	4	8GB13710	7210.-	1
	1 Row 8Mod	8	8GB13711	9160.-	1
	1 Row 12Mod	12	8GB13712	16350.-	1
	1 Row 18Mod	18	8GB13713	21175.-	1
	2 Row 2 x 12Mod	24	8GB13722	26140.-	1
	2 Row, 2 x 18Mod	36	8GB13723	36860.-	1
	3 Row, 3 x 18Mod	54	8GB13733	64820.-	1
	4 Row 4 x 18Mod	72	8GB13743	84930.-	1
<b>Accessories for Simbox WP</b>					
	Coupling covers, 12M		8GB20510	2360.-	1
	Coupling covers, 18M		8GB20511	2645.-	1
	Insulated N/PE terminals, 8MW		8GB20520	3675.-	1
	Insulated N/PE terminals, 12MW		8GB20521	5620.-	1
	Insulated N/PE terminals, 18MW		8GB20522	8260.-	1
	Cylindrical security lock		8GB20550	6705.-	1


Note: \* MRP - Maximum Retail Price

For Customized Solutions in Distribution Boards please Contact our sales Office

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



# Betagard Distribution Boards Accessories

	Item Description	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Blanking Plate</b>				
	1 MW	8GB9901	90.-	25
<b>Insulated Shorting Links</b>				
<b>Single Phase Shorting Links for Shorting 1P MCBs</b>				
<b>For SPN and TPN PPI DB</b>				
	5 Leg SP Shorting Link	8GB9905LSP	280.-	10
	7 Leg SP Shorting Link	8GB9907LSP	330.-	10
	9 Leg SP Shorting Link	8GB9909LSP	385.-	10
	11 Leg SP Shorting Link	8GB9911LSP	405.-	10
	13 Leg SP Shorting Link	8GB9913LSP	540.-	10
	15 Leg SP Shorting Link	8GB9915LSP	660.-	10
	17 Leg SP Shorting Link	8GB9917LSP	690.-	10
<b>For TPN DB</b>				
	4 Leg SP Shorting Link	8GB9904LSP	280.-	10
	6 Leg SP Shorting Link	8GB9906LSP	330.-	10
	8 Leg SP Shorting Link	8GB9908LSP	385.-	10
	10 Leg SP Shorting Link	8GB9910LSP	405.-	10
	12 Leg SP Shorting Link	8GB9912LSP	540.-	10
	14 Leg SP Shorting Link	8GB9914LSP	660.-	10
	16 Leg SP Shorting Link	8GB9916LSP	690.-	10
<b>Two Phase, 1 meter long for shorting 2P MCBs (suitable for maximum of 28 nos. 2MW devices)</b>				
	Shorting link without End caps, Can be cut and used.	8GB990SLDLP	6835.-	1
	End Caps for 2 pole Shorting Links	8GB990ECLDP	115.-	10
<b>Three Phase, 1 meter long for shorting 3P MCBs (suitable for maximum of 19 nos. 3MW devices)</b>				
	Shorting link without Enc caps, Can be cut and used.	8GB990SLLTP	7475.-	1
	End Caps for 3 pole Shorting Links	8GB990ECLTP	165.-	10
<b>Three Phase + N, 1 meter long for shorting TPN MCBs (suitable for maximum of 14 nos. 4MW devices)</b>				
	Shorting link without Enc caps, Can be cut and used.	8GB990SLLTPN	7900.-	1
	End Caps for 3 pole Shorting Links	8GB990ECLTPN	210.-	10
<b>Neutral Terminals</b>				
<b>Neutral Terminals For 8GB0 and 8GB31 DBs (Along with Mounting Stands)</b>				
	5 Way Neutral Link	8GB9905NL	300.-	10
	11 Way Neutral Link	8GB9911NL	445.-	10
	13 Way Neutral Link	8GB9913NL	510.-	10
	15 Way Neutral Link	8GB9915NL	570.-	10
<b>Neutral Terminals For 8GB32 DBs (With Terminal Shroud and Cover)</b>				
	Neutral Terminal 5 Holes	8GB9905NPE	330.-	10
	Neutral Terminal 11 Holes	8GB9911NPE	455.-	10
	Neutral Terminal 13 Holes	8GB9913NPE	540.-	10
	Neutral Terminal 15 Holes	8GB9915NPE	600.-	10
<b>Earth Terminals</b>				
	5 Way Earth Link	8GB9905EL	255.-	10
	11 Way Earth Link	8GB9911EL	430.-	10
	13 Way Earth Link	8GB9913EL	455.-	10
	15 Way Earth Link	8GB9915EL	540.-	10

Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



# 5SD Surge Protection Devices

## Safe & Reliable

Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream SPD

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

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# Surge Protection Devices

For protection of equipment against Lightning and Switching surges

- Standard: IEC 61643-11 / EN 61643-11
- Type 1, Type 2 and Photovoltaic surge protection
- With Remote signaling contact
- Integrated SPD health indicator

## Type 1: Lightning Surge Arresters

- Maximum continuous operating voltage  $U_c$ : 350V



Reference No.	Rated voltage	Pole	Module width	Total $I_{imp}$ (10/350 $\mu$ s)	$I_{max}$ (8/20 $\mu$ s)	Remote status	Unit LP* ₹
5SD74121RC	240V AC	1P+N	4	50kA	50kA	Yes	20790.-
5SD74141RC	240/415V AC	3P+N	8	100kA	50kA	Yes	40470.-

## Type 2: Surge Arresters



Reference No.	Rated voltage	Pole	Module width	$U_c$	$I_{max}$ (8/20 $\mu$ s)	Remote status	Unit LP* ₹
5SD74610RC	240V AC	1P	1	335V AC	20kA	No	3400.-
5SD74640RC	240/415V AC	3P+N	4	335V AC	40kA	No	10105.-

## Surge Arresters for Photovoltaic application

On the DC side, over voltage protection is required for the inverters which can be ensured by using 5SD74836RC.

On the AC side, the over voltage protection can be ensured using surge arresters Type 2 (5SD7461-ORC/5SD7464-ORC)



Reference No.	Rated voltage	Pole	Module width	$U_{cpv}$	$I_{max}$ (8/20 $\mu$ s)	Remote status	Unit LP* ₹
5SD74836RC	1170V DC	L+ and L-	3	1170V DC	40kA	No	5740.-

Note: Standard packing: 1 unit

\*LP: List Price



# Surge Protection Devices

For protection of equipment against Lightning and Switching surges

## Type 1: Lightning Surge Arresters

### For TN-S/ TT system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT systems with remote display



Rated voltage $U_N$	Backup fuse rating	Protection level	Lightening impulse current $I_{mp}(10/350\mu s)$		Pole	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE			
240V AC	125A gL/gG	1.5-2.5kV	25kA	100kA	1P+N	5SD74121	Price on request
240/415V AC	125A gL/gG	1.5-2.5kV	25kA/75kA	100kA	3P+N	5SD74141	

### For TN-C system

Lightning arresters, Type 1 requirement class B,  $U_c$  350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems with remote display



Rated voltage $U_N$	Backup fuse rating	Protection level	Lightening impulse current $I_{mp}(10/350\mu s)$		Pole	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE			
240/415V AC	125A gL/gG	$\leq 1.5kV$	25kA/75kA	-	3P	5SD74131	73820.-

## Type 2 : Surge Arresters

### For TN-S/ TT system

Surge arrester Type 2 requirement class C,  $U_c$ :350V/260V (L-N/N-PE) Pluggable protective modules 4-pole, 3+1 circuit for TN-S and TT AC systems

Rated Discharge Surge Current  $I_n=20kA$  SC capacity with backup fuse=25kA



Rated voltage $U_N$	Backup fuse rating	Protection level $U_p$	Rated discharge current $I_n$ (8/20usec)		Pole	Remote signaling	Reference No.	Unit LP* ₹
			L-N or L-(PE), 1P/3P	N-PE				
240/415V	80A gL/gG	1.5-1.9kV	40kA	40kA	3P+N	No	5SD74640	Price on request
240/415V	80A gL/gG	1.5-1.9kV	40kA	40kA	3P+N	Yes	5SD74641	
240V	80A gL/gG	1.5-1.9kV	20kA	20kA	1P+N	No	5SD74220	
240V	80A gL/gG	1.5-1.9kV	20kA	20kA	1P+N	Yes	5SD74221	

### For TN-C system

Surge arrester Type 2 requirement class C,  $U_c$ :350V Pluggable protective modules 3-pole, 3+0 circuit for TNC systems



Rated voltage $U_N$	Backup fuse rating	Protection level $U_p$	Maximum discharge surge current $I_{max}$ L-N or L-(PE)N, 1P		Pole	Remote signaling	Reference No.	Unit LP* ₹
			L-N or L-(PE)N, 1P	N-PE				
240/415V	80A gL/gG	$\leq 1.5kV$	40kA		3P	No	5SD74630	33655.-
240/415V	80A gL/gG	$\leq 1.5kV$	40kA		3P	Yes	5SD74631	22510.-

L - Line, N - Neutral, PE - Protective Earth

Note: Standard packing: 1unit

\* LP : List Price

## Surge Protection Devices

For protection of equipment against Lightning and Switching surges

### Type 3 : Surge Arresters



Rated voltage	Rated current	Protection level	Rated discharge current	Pole	Reference No.	Unit LP* ₹
24V AC 34V DC	26A	0.65kV	1kA	2P	5SD74325	15955.-
120V AC 150V DC	26A	0.95kV	3kA	2P	5SD74326	17380.-
240V AC 240V DC	26A	1.5kV	3kA	2P	5SD74327	17845.-

### Surge arresters for photovoltaic application

Due to the combination of three power varistors, the overvoltage protection required for the inverters is implemented on the DC side. On the AC side, the overvoltage protection can be ensured using surge arresters type 2 (5SD7422-/5SD7424-)



5SD74836

Rated voltage $U_N$	Rated discharge current	Protection level $U_p$	Lightning Impulse current (L-N/L-(PE)N)	Max. discharge current	Pole	Remote signaling	Reference No.	Unit LP* ₹
1000V DC	15kA	$\leq 3.5kV$	$\leq 5kA$	40kA	3P	No	5SD74836	Price on request

### Replacement Plug



SPD Type	Type	Connection	Reference No.	Unit LP* ₹
5SD74121	Type 1	L-N	5SD74181	28000.-
5SD74131				
5SD74141		N-PE	5SD74180	18880.-
5SD74121				
5SD74131	Type 2	L-N	5SD74681	7415.-
5SD7463-0/1				
5SD7464-0/1		N-PE	5SD74880	7415.-
5SD7422-0/1				
5SD7422-0/1	L-N	5SD74281	5725.-	
5SD7422-0/1				
5SD7422-0/1	N-PE	5SD74280	10705.-	
5SD7422-0/1				
5SD7483-6	PV	-	5SD74983	Price on request

\* Also available Type 1+ Type 2 and Type1/2 Compact SPDs for protection against overvoltages from Lightning strikes as well as by switching operations in network

Note:

Standard packing: 1 unit

\* LP - List Price



# SENTRON Modular Devices

For efficient control and monitoring




- 7LF time switch - Digital and Analog timers for all applications; available in Mini, Top, Profi, Astro, Expert and Expert GPS variants
- 5TT5 insta contactors – For all control applications; also with Manual/Automatic switching indicator
- DIN mounted phase indicators, monitoring relays and measuring devices for final distribution circuits
- Twilight Switch for Automatic Street Light Control

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## Modular Devices

	Item Description	Rated Current I <sub>n</sub> (A)	MW#	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Changeover switches</b>						
Standards: IEC 60947-3/DIN EN 60947-3						
	1C/O, 230V	20	1	5TE8161	2345.-	1/10
	2C/O, 400V	20	1	5TE8162	4270.-	1/10
	Group switch, center position, 2C/O, 400V	20	1	5TE8142	4930.-	1/10
<b>Insta Contactors</b>						
Standards: EN 60947-4-1, EN 60947-5-1						
	2NO contacts, 230Vac	20	1	5TT58000	3720.-	1/5
	3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A)	40	3	5TT58410	10175.-	1/5
	3NO+1NC contacts, 24Vac/24Vdc (1NC contact rated for 30A)	40	3	5TT58412	10220.-	1/5
	4NO contacts, 230Vac/220Vdc	40	3	5TT58400	10250.-	1/5
	4NO contacts, 24Vac/24Vdc	40	3	5TT58402	10070.-	1/5
	3NO+1NC contacts, 230Vac/220Vdc (1NC contact rated for 30A)	63	3	5TT58510	14170.-	1/5
	3NO+1NC contacts, 24Vac/24Vdc, (1NC contact rated for 30A)	63	3	5TT58512	14980.-	1/5
	4NO contacts, 230Vac/220Vdc	63	3	5TT58500	12990.-	1/5
4NO contacts, 24Vac/24Vdc	63	3	5TT58502	13695.-	1/5	
<b>Insta Contactors Manual / Automatic with Switching Indicator</b>						
Standards: IEC60947-4-1, IEC60947-5-1						
	2NO contacts, 230Vac	20	1	5TT58006	4950.-	1/5
	1NO+1NC contacts, 230Vac	20	1	5TT58016	7460.-	1/5
	4NO contacts, 230Vac	25	2	5TT58306	7015.-	1/5
	4NO contacts, 400Vac	40	3	5TT58406	15440.-	1/5
	4NO contacts, 400Vac	63	3	5TT58506	19565.-	1/5
<b>Accessories</b>						
	Control Switch with 1 Make and 1 Break Contact For AC 230V/400V For 5TT58 and 5TT50			5TT59101	4615.-	1/10






Note:

\* LP - List Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details



## Modular Devices




	Item Description	Rated Current $I_n$ (A)	MW#	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Twilight switch</b>						
	Twilight Switch with light sensor 230 V, 50/60 Hz, 1MW, 16A			7LQ2300	Price on request	1
<b>Voltage Relays</b> Standards: IEC 60255, DIN VDE 0435-303						
	Voltage relay for undervoltage monitoring of 1,2,3 phases against N with phase failure detection, Switching thresholds 0.7-0.9xV, not adjustable; 2 C/O contacts, 4A, 230/400Vac	4	2	5TT3402	17810.-	1
	Voltage relay for undervoltage monitoring of 1,2,3 phases against N, short time failure detection with phase failure detection and N conductor monitoring, Switching thresholds 0.8-0.85xV, not adjustable; 2 C/O contacts, 230/400Vac	4	2	5TT3407	29660.-	1
	Voltage relay for over and undervoltage monitoring of 3 phases against N with asymmetry, reverse voltage and phase failure detection with N conductor monitoring and adj. Time delay of 0.1 to 20s, Switching thresholds: U/voltage 0.7-1.1xV, 4% hysteresis, adjustable, O/voltage 0.9-1.1xV, 4% hysteresis, adjustable; 2 C/O contacts, 230/400Vac	4	2	5TT3408	34140.-	1
<b>RYG 3 phase indicator in 1MW</b>						
	3 phase indicator (all with green color cap)		1	5TE5802	4215.-	1/10
	3 phase indicator (red/yellow/green)		1	5TE5803	3585.-	1/10
	Transparent cap (1 set = 3 items, R, Y, G lens)			5TG8070	1165.-	1/10
<b>Power ON Indicator (Economy Version) 230 Vac, 1 Phase</b>						
	Light indicators for max. cable length up to 5 m with 1 red lamp		1	5TE5800	2230.-	1/12
	Light indicators for max. cable length up to 250 m with 1 red lamp		1	5TE5804	1940.-	1/12
	Transparent cap (Red) (1 set 5x each red/transparent)			5TG8061	1500.-	5
	Transparent cap (Green) (1 Set with 5x each green/transparent)			5TG8062	1500.-	5
	Transparent cap (Yellow) (1 Set with 5x each yellow/transparent)			5TG8063	1500.-	5
	Transparent cap (Blue) (1 Set with 5x each blue/transparent)			5TG8064	1500.-	5
<b>Fuse Monitor</b>						
	Fuse monitors with transparent caps for all low voltage fuse systems, 230Vac	4	2	5TT3170	13970.-	1

Note:

\* LP - List Price # 1MW (Module Width) = 18mm

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Modular Devices

	Item Description	Rated Current $I_n$ (A)	MW#	Reference No	Unit LP* ₹	Std. Pkg.** (Nos.)
<b>Time Switches (Digital)</b>						
	Mini digital, daily/weekly program, 100 hours reserve, 230Vac	16	1	7LF45015	10585.-	1
	Yearly time switch top digital 230V, 1 channel	16	2	7LF45110	11405.-	1
	Yearly time switch top digital 230V, 2 channel	16	2	7LF45120	24815.-	1
	Weekly time switch profi digital 230V, 1 channel	16	2	7LF45210	23120.-	1
	Weekly time switch profi digital 230V, 2 channel	16	2	7LF45220	29900.-	1
	Weekly time switch astro digital 230V, 1 channel	16	2	7LF45310	20675.-	1
	Weekly time switch astro digital 230V, 2 channel	16	2	7LF45320	53580.-	1
<b>Time Switches (Mechanical) Standards: EN 60730-1</b>						
	Quartz time switch Day 1 NO 230V/50-60Hz 1 MW with power reserve	16	1	7LF53011	7810.-	1
	Synchronous time switches without power reserve, for DIN rail mounting, day disk, 1CO, 230V AC	16	3	7LF53005	4310.-	1
	Quartz-clock time switches with power reserve for DIN rail mounting, day disk, 1CO, 230V AC	16	3	7LF53016	8335.-	1
	Quartz-clock time switches with power reserve for wall mounting, day disk, 1CO, 250Vac	16	—	7LF53050	12470.-	1
	Synchronous time switches without power reserve, for wall mounting, day disk, 1CO, 250Vac	16	—	7LF53010	7600.-	1
7LF53005						
<b>Accessories for Digital Time Switches</b>						
	USB adapter and software			7LF49410	38360.-	1
	Data key profi, astro			7LF49411	3905.-	1

Note:

\* LP - List Price

# 1MW (Module Width) = 18mm

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**SINOVA**

# 3VJ Moulded Case Circuit Breakers

## Simply Efficient

- Rated current: 20A to 400A
- 1 pole, 2 pole, 3 pole & 4 pole versions
- Breaking capacity: 10kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM)
- Range of internal and external accessories

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## 3VJ Moulded Case Circuit Breakers<sup>\$</sup>

### 3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	4 Pole Type	
3VJ10 (VJ1 125X)	18kA	20	3VJ1002-1DA32-0AA0	3VJ1002-1EA42-0AA0	
		25	3VJ1092-1DA32-0AA0	3VJ1092-1EA42-0AA0	
		32	3VJ1003-1DA32-0AA0	3VJ1003-1EA42-0AA0	
		40	3VJ1004-1DA32-0AA0	3VJ1004-1EA42-0AA0	
		50	3VJ1005-1DA32-0AA0	3VJ1005-1EA42-0AA0	
		63	3VJ1006-1DA32-0AA0	3VJ1006-1EA42-0AA0	
		80	3VJ1008-1DA32-0AA0	3VJ1008-1EA42-0AA0	
		100	3VJ1010-1DA32-0AA0	3VJ1010-1EA42-0AA0	
		125	3VJ1012-1DA32-0AA0	3VJ1012-1EA42-0AA0	
		25kA	20	3VJ1002-3DA32-0AA0	3VJ1002-3EA42-0AA0
			25	3VJ1092-3DA32-0AA0	3VJ1092-3EA42-0AA0
			32	3VJ1003-3DA32-0AA0	3VJ1003-3EA42-0AA0
			40	3VJ1004-3DA32-0AA0	3VJ1004-3EA42-0AA0
			50	3VJ1005-3DA32-0AA0	3VJ1005-3EA42-0AA0
63	3VJ1006-3DA32-0AA0		3VJ1006-3EA42-0AA0		
80	3VJ1008-3DA32-0AA0		3VJ1008-3EA42-0AA0		
100	3VJ1010-3DA32-0AA0		3VJ1010-3EA42-0AA0		
3VJ12 (VJ1 250)	25kA	125	3VJ1012-3DA32-0AA0	3VJ1012-3EA42-0AA0	
		160	3VJ1216-3DA32-0AA0	3VJ1216-3EA42-0AA0	
		200	3VJ1220-3DA32-0AA0	3VJ1220-3EA42-0AA0	
	25kA	250	3VJ1225-3DA32-0AA0	3VJ1225-3EA42-0AA0	

### 3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	4 Pole Type
3VJ10 (VJ1 125X)	25kA	20	3VJ1002-3DB32-0AA0	3VJ1002-3EB42-0AA0
		25	3VJ1092-3DB32-0AA0	3VJ1092-3EB42-0AA0
		32	3VJ1003-3DB32-0AA0	3VJ1003-3EB42-0AA0
		40	3VJ1004-3DB32-0AA0	3VJ1004-3EB42-0AA0
		50	3VJ1005-3DB32-0AA0	3VJ1005-3EB42-0AA0
		63	3VJ1006-3DB32-0AA0	3VJ1006-3EB42-0AA0
		80	3VJ1008-3DB32-0AA0	3VJ1008-3EB42-0AA0
		100	3VJ1010-3DB32-0AA0	3VJ1010-3EB42-0AA0
		125	3VJ1012-3DB32-0AA0	3VJ1012-3EB42-0AA0
		3VJ12 (VJ1 250)	25kA	160
200	3VJ1220-3DB32-0AA0			3VJ1220-3EB42-0AA0
250	3VJ1225-3DB32-0AA0			3VJ1225-3EB42-0AA0
3VJ13 (VJ1 400)	25kA	320	3VJ1332-3DB32-0AA0	3VJ1332-3EB42-0AA0
		400	3VJ1340-3DB32-0AA0	3VJ1340-3EB42-0AA0
3VJ11 (VJ1 125)	36kA	25	3VJ1192-5DB32-0AA0	3VJ1192-5EB42-0AA0
		32	3VJ1103-5DB32-0AA0	3VJ1103-5EB42-0AA0
		40	3VJ1104-5DB32-0AA0	3VJ1104-5EB42-0AA0
		50	3VJ1105-5DB32-0AA0	3VJ1105-5EB42-0AA0
		63	3VJ1106-5DB32-0AA0	3VJ1106-5EB42-0AA0
		80	3VJ1108-5DB32-0AA0	3VJ1108-5EB42-0AA0
		100	3VJ1110-5DB32-0AA0	3VJ1110-5EB42-0AA0
		125	3VJ1112-5DB32-0AA0	3VJ1112-5EB42-0AA0
3VJ12 (VJ1 250)	36kA	160	3VJ1216-5DB32-0AA0	3VJ1216-5EB42-0AA0
		200	3VJ1220-5DB32-0AA0	3VJ1220-5EB42-0AA0
		250	3VJ1225-5DB32-0AA0	3VJ1225-5EB42-0AA0
3VJ13 (VJ1 400)	36kA	320	3VJ1332-5DB32-0AA0	3VJ1332-5EB42-0AA0
		400	3VJ1340-5DB32-0AA0	3VJ1340-5EB42-0AA0

<sup>\$</sup> Kindly refer latest Power Distribution Products Price List for prices

### 3VJ Internal accessories<sup>5</sup>

Frame Size	Accessory compartment/ Coil voltage	3VJ10 (VJ1 125X)	3VJ11 (VJ1 125)	3VJ12 (VJ1 250)	3VJ13 (VJ1 400)
Auxiliary Switches (AUX)	Left	3VJ9018-0AN11	3VJ9218-0AN11	3VJ9218-0AN11	3VJ9417-0AN11
	Right	-	3VJ9218-0AN21	3VJ9218-0AN21	3VJ9417-0AN21
Auxiliary + Alarm Switches (AUX+AL)	Left	3VJ9018-0AD11	3VJ9118-0AD11	3VJ9218-0AD11	3VJ9417-0AD11
	Right	-	3VJ9118-0AD21	3VJ9218-0AD21	3VJ9417-0AD21

### 3VJ External accessories<sup>5</sup>

Frame Size	Accessory	3VJ10 (VJ1 125X)	3VJ11 (VJ1 125)	3VJ12 (VJ1 250)	3VJ13 (VJ1 400)
	Extended Door Mounted Rotary Operator (including 8UC handle)	3VJ9018-0HD11	3VJ9118-0HD11	3VJ9218-0HD11	3VJ9417-0HD11

## Raja+ DOL Starters<sup>@</sup> 3TW Direct On Line Starters

IS/IEC 60947-4-1



CML No.7800027718

### 3ph, 50Hz DOL Starter in sheet steel housing, including bimetal relay with single phasing protection

	Motor Rating At 415V 3ph 50Hz		Starter Type	Contactors	Thermal Overload Relay	Relay range (A)	Max. Full Load Current (Amp)		Std. Pkg. (Nos.)
	HP	kW					3Ph, 415V 4P Squirrel Cage IS 8789:1996 Table 4	3Ph, 415V 2P MRP Submersible motor IS 9283:1995 Table 2	
	0.33	0.25	3TW7291-1A^64	3TS3010-0A##-08KA0	3UW5102-0J	0.63-1	-	-	1
	0.75	0.55	3TW7291-1A^66	3TS3010-0A##-08KA0	3UW5102-1A	1-1.6	1.7	-	1
	1	0.75	3TW7291-1A^68	3TS3010-0A##-08KA0	3UW5102-1C	1.6-2.5	2.2	-	1
	1.5	1.1	3TW7291-1A^69	3TS3010-0A##-08KA0	3UW5102-1D	2-3.2	2.9	3.25	1
	2	1.5	3TW7291-1A^71	3TS3010-0A##-08KA0	3UW5102-1F	3.2-5	3.8	4.5	1
	3	2.2	3TW7291-1A^72	3TS3010-0A##-08KA0	3UW5102-1G	4-6.3	5.1	6.5	1
	5	3.7	3TW7291-1A^74	3TS3010-0A##-08KA0	3UW5102-1J	6.3-10	8.1	10	1
	7.5	5.5	3TW7291-1A^75	3TS3210-0A##-08KA0	3UW5102-1K	8-12.5	11.4	14.5	1
	7.5	5.5	3TW7291-1A^77	3TS3210-0A##-08KA0	3UW5102-2A	10-16	-	-	1
	10	7.5	3TW7291-1A^78	3TS3210-0A##-08KA0	3UW5102-2B	12.5-20	15.4	19.5	1

^ Enter code for coil voltage, 50Hz (B for 200-400V AC, W for 332 - 456V AC)

## Enter Code for operating coil voltage, 50 Hz (Z6 for 200-400V, R0 for 415V)


\* MRP - Maximum Retail Price LP - List Price

\$ Kindly refer latest Power Distribution Products Price List for prices

@ Kindly refer latest Control Products Price List for prices


## Switch disconnecter fuse<sup>@</sup> Superswitch 3KL8 in open execution 3PN

### Switch Disconnector fuse: 3KL8 for power distribution (in Open Execution 3PN)<sup>^</sup>

	Rated current I <sub>e</sub> @ 690V AC 50Hz	SDF suitable for DIN type HRC Fuses	SDF suitable for BS type HRC Fuses	SDF suitable for cylindrical type HRC Fuses	Std. pkg. (nos.)
	20A	3KL8111-5TA00	3KL8111-5TJ00	3KL8111-5TC00	1
	32A	3KL8121-5TA00	3KL8121-5TJ00	3KL8121-5TC00	1
	63A	3KL8151-5TA00	3KL8151-5TJ00	3KL8151-5TC00	1
	100A	3KL8171-5TA00	-	-	1
	100A	3KL8211-5TA00	3KL8211-5TJ00	-	1
	125A	3KL8221-5TA00	3KL8221-5TJ00	-	1
	160A	3KL8231-5TA00	3KL8231-5TJ00	-	1
	200A	3KL8311-5UA00	3KL8311-5UJ00	-	1
	250A	3KL8321-5UA00	3KL8321-5UJ00	-	1
	315A	3KL8331-5UA00	3KL8331-5UJ00	-	1
	400A	3KL8341-5UA00	3KL8341-5UJ00	-	1
	500A	3KL8411-5UA00	3KL8411-5UJ00	-	1
	630A	3KL8421-5UA00	3KL8421-5UJ00	-	1
	800A	3KL8431-5UA00	3KL8431-5UJ00	-	1

<sup>^</sup> 3PN is 3 Pole with neutral link

### Selection table for SS Housing for 3KL8




	Rated current I <sub>e</sub> (A)	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	3KL81 (20A - 63A)	3KX8235-4AC	-	1
	3KL82 (100A - 160A)	3KX8235-4AC	-	1
	3KL83 (200A - 400A)	3KX8345-4AC	-	1
	3KL84 (500A - 800A)	3KX8435-4AC	-	1

Rated current I <sub>e</sub> (A)	Gland box Reference No.	Unit MRP* ₹	Gland Plate Reference No.	Unit MRP* ₹	Std Pkg. (Nos.)
3KL81(20A-63A)	3KX8235-4DC	-	3KX8235-4GC	-	1
3KL82(100A-160A)	3KX8235-4DC	-	3KX8235-4GC	-	1
3KL83(200A-400A)	3KX8345-4DC	-	3KX8345-4GC	-	1
3KL84(500A-800A)	3KX8435-4DC	-	3KX8435-4GC	-	1



## LV HRC Fuses<sup>@</sup>

### DIN Type Fuse


Rated voltage: 500 V AC

	Size	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	000	2	3NA7 802-ORC	-	1/6
		4	3NA7 804-ORC	-	
		6	3NA7 801-ORC	-	
		10	3NA7 803-ORC	-	
		16	3NA7 805-ORC	-	
		20	3NA7 807-ORC	-	
		25	3NA7 810-ORC	-	
		32	3NA7 812-ORC	-	
		40	3NA7 817-ORC	-	
		50	3NA7 820-ORC	-	
	00	63	3NA7 822-ORC	-	
		80	3NA7 824-ORC	-	
		100	3NA7 830-ORC	-	
	1	125	3NA7 832-ORC	-	1/3
		160	3NA7 836-ORC	-	
		50	3NA7 120-ORC	-	
		63	3NA7 122-ORC	-	
		80	3NA7 124-ORC	-	
		100	3NA7 130-ORC	-	
		125	3NA7 132-ORC	-	
		160	3NA7 136-ORC	-	
		200	3NA7 140-ORC	-	
		224	3NA7 142-ORC	-	
250	3NA7 144-ORC	-			

# 400 & 800A fuses - Rated voltage at 415 V AC

	Size	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	2	200	3NA7 240-ORC	-	1/3
		250	3NA7 244-ORC	-	
		315	3NA7 252-ORC	-	
		400 <sup>#</sup>	3NA7 260-ORC	-	
	3	315	3NA3 352-ORC	-	1/3
		400	3NA3 360-ORC	-	
		500	3NA3 365-ORC	-	
		630	3NA3 372-ORC	-	
		800 <sup>#</sup>	3NA3 375-4RC	-	

### BS Fuses

	Type	Rated current A	Reference No	Unit MRP* ₹	Std. Pkg. (Nos.)
	Offset Tag	2	3NW TIA2	-	20
		4	3NW TIA4	-	
		6	3NW TIA6	-	
		10	3NW TIA10	-	
		16	3NW TIA16	-	
		20	3NW TIA20	-	
		25	3NW TIA25	-	
		32	3NW TIA32	-	
		40	3NW TIS40	-	
		50	3NW TIS50	-	
		63	3NW TIS63	-	

Note: \* MRP - Maximum Retail Price

@ Kindly refer latest Power Distribution Products Price List for prices

# Available till stocks last

## Betagard Distribution Boards 8GB0 SPN and TPN DBs

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Plastic Enclosure, IP20:</b>							
	3/4 Way	-	-	4	8GB0004	Price on request	1/50
	6 Way	-	-	6	8GB0006		1/25
<b>Double Door SPN DBs, IP42 :</b>							
	4 Way	2	4	6	8GB0204RC	Price on request	1
	6 Way	2	6	8	8GB0206RC		1
	8 Way	2	8	10	8GB0208RC		1
	12 Way	2	12	14	8GB0212RC		1
	14 Way	2	14	16	8GB0214RC		1
<b>Double Door TPN DBs (Horizontal), IP42 :</b>							
	4 Way	8	12	20	8GB0404HRC	Price on request	1
	6 Way	8	18	26	8GB0406HRC		1
	8 Way	8	24	32	8GB0408HRC		1
	12 Way	8	36	44	8GB0412HRC		1
<b>Double Door TPN DBs (Vertical), IP42 :</b>							
	4 Way	8	12	20	8GB0404VRC	Price on request	1
	6 Way	8	18	26	8GB0406VRC		1
	8 Way	8	24	32	8GB0408VRC		1
	12 Way	8	36	44	8GB0412VRC		1
<b>Double Door, Per Phase Isolation TPN DBs (Horizontal), IP42 :</b>							
	4 Way	8	18	26	8GB0405HRC	Price on request	1
	6 Way	8	24	32	8GB0407HRC		1
	8 Way	8	30	38	8GB0409HRC		1
	12 Way	8	42	50	8GB0413HRC		1
<b>Double Door, Per Phase Isolation TPN DBs (Vertical), IP42 :</b>							
	4 Way	8	18	26	8GB0405VRC	Price on request	1
	6 Way	8	24	32	8GB0407VRC		1
	8 Way	8	30	38	8GB0409VRC		1
	12 Way	8	42	50	8GB0413VRC		1
<b>Double Door, Phase Segregated TPN DBs (7 segment), IP42:</b>							
	4 Way	12	12+12	36	8GB0504	Price on request	1
	6 Way	12	12+18	42	8GB0506		1
	8 Way	12	12+24	48	8GB0508		1
	12 Way	12	12+36	60	8GB0512		1

Note: \* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorized dealers is in multiples of standard packing, contact Siemens Sales Office for further details

Available till stocks last



## Available till stocks last

### Betagard Distribution Boards 8GB31

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Betaflex (Flexi DBs), IP42 :</b>							
	2Row x 12Mod	—	—	24	8GB31424RC	Price on request	1
	2Row x 16Mod	—	—	32	8GB31426RC		1
	4Row x 6Mod	—	—	24	8GB31441RC		1
	4Row x 8Mod	—	—	32	8GB31442RC		1
	4Row x 10Mod	—	—	40	8GB31443RC		1
	4Row x 12Mod	—	—	48	8GB31444RC		1
	4Row x 16Mod	—	—	64	8GB31446RC		1
<b>Betabus (Vertical Busbar DBs with MCB as an incomer), IP42 : (Suitable for 5SL/5SP MCBs, upto 125A as an incomer)</b>							
	4 way	12	12	24	8GB31471RC	Price on request	1
	6 way	12	18	30	8GB31473RC		1
	8 way	12	24	36	8GB31474RC		1
	12 way	12	36	48	8GB31477RC		1
<b>Betabusplus (Vertical Busbar DBs with MCCB as an incomer), IP42 : (Suitable for 3VT1/3VA1 MCCBs, upto 160A as an incomer)</b>							
	4 way	12	12	24	8GB31571RC	Price on request	1
	6 way	12	18	30	8GB31572RC		1
	8 way	12	24	36	8GB31573RC		1
	12 way	12	36	48	8GB31574RC		1
<b>BetaMulti (DBs for power &amp; communication), IP42 :</b>							
	12 way SPN, provision	2	12	14	8GB31215RC	Price on request	1
	4 Way TPN, Provision	8	12	20	8GB31220RC		1
	6 way TPN, provision	8	18	26	8GB31221RC		1
	8 Way TPN Provision	8	24	32	8GB31222RC		1

Available till stocks last

Note:

\* MRP - Maximum Retail Price


\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

## Available till stocks last

### Betagard Distribution Boards 8GB31

	Item Description	Incoming Slots (MW)	Outgoing Slots (MW)	Total Slots (MW)	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Beta CO (DBs with built-in pre-wired phase changeover switches), IP42 :</b>							
	40 A, 4 Way TPN, built-in	8	12	20	8GB31850RC	Price on request	1
	40 A, 6 Way TPN, built-in	8	18	26	8GB31851RC		1
	40 A, 8 Way TPN, built-in	8	24	32	8GB31852RC		1
	40 A, 12 Way TPN, built-in	8	36	44	8GB31854RC		1
	63 A, 4 Way TPN, built-in	8	12	20	8GB31860RC		1
	63 A, 6 Way TPN, built-in	8	18	26	8GB31861RC		1
	63 A, 8 Way TPN, built-in	8	24	32	8GB31862RC		1
	63 A, 12 Way TPN, built-in	8	36	44	8GB31864RC		1
<b>Wire Way Boxes (WWB)</b>							
	WWB for Flexi DB, 8Mod	—	—	—	8GB9908FWWNT	Price on request	1/5
	WWB for Flexi DB, 12Mod	—	—	—	8GB9912FWWNT		1/5
	WWB for Flexi DB, 16Mod	—	—	—	8GB9916FWWNT		1/5
	WWB for Bus DB	—	—	—	8GB99BUSWWNT		1/5
	WWB for Bus Plus DB	—	—	—	8GB99PLUSWWNT		1/5
<b>Modular Device Boxes (MDB)</b>							
	MDB for Flexi DB, 8Mod/Row	—	—	8	8GB9908FMDTC	Price on request	1/5
	MDB for Flexi DB, 12Mod/Row	—	—	12	8GB9912FMDTC		1/5
	MDB for Flexi DB, 16Mod/Row	—	—	16	8GB9916FMDTC		1/5
	MDB for Bus DB	—	—	12	8GB99BUSMBTC		1/5
	MDB for Bus Plus DB	—	—	12	8GB99PLUSMBTC		1/5
<b>BetaMulti (DBs for power &amp; communication), IP42 :</b>							
	12 way SPN, built-in	2	12	14	8GB31315RC	Price on request	1
	4 Way TPN, Built-in	8	12	20	8GB31320RC		1
	6 way TPN, built-in	8	18	26	8GB31321RC		1
	8 Way TPN, Built-in	8	24	32	8GB31322RC		1
<b>Beta CO (DBs with provision for phase changeover switches), IP42 :</b>							
	4 way, with provision	8	12	20	8GB31840RC	Price on request	1
	6 way, with provision	8	18	26	8GB31841RC		1
	8 way, with provision	8	24	32	8GB31842RC		1
	12 way, with provision	8	36	44	8GB31844RC		1

### Betagard Distribution Boards Accessories

	Item Description	Reference No	Unit MRP* ₹	Std. Pkg.** (Nos.)
<b>Blanking Plate</b>				
	1.5 MW	8GB9902	Price on request	25

Note:

\* MRP - Maximum Retail Price

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

# Discontinued Products

## Betagard Circuit Breakers 5SY7, with D Characteristics

Reference No.	Reference No.	Reference No.	Reference No.
5SY71058CC	5SY72058CC	5SY73058CC	5SY74058CC
5SY71018CC	5SY72018CC	5SY73018CC	5SY74018CC
5SY71028CC	5SY72028CC	5SY73028CC	5SY74028CC
5SY71038CC	5SY72038CC	5SY73038CC	5SY74038CC
5SY71048CC	5SY72048CC	5SY73048CC	5SY74048CC
5SY71068CC	5SY72068CC	5SY73068CC	5SY74068CC
5SY71088CC	5SY72088CC	5SY73088CC	5SY74088CC
5SY71108CC	5SY72108CC	5SY73108CC	5SY74108CC
5SY71138CC	5SY72138CC	5SY73138CC	5SY74138CC
5SY71168CC	5SY72168CC	5SY73168CC	5SY74168CC
5SY71208CC	5SY72208CC	5SY73208CC	5SY74208CC
5SY71258CC	5SY72258CC	5SY73258CC	5SY74258CC
5SY71328CC	5SY72328CC	5SY73328CC	5SY74328CC
5SY71408CC	5SY72408CC	5SY73408CC	5SY74408CC
5SY71508CC	5SY72508CC	5SY73508CC	5SY74508CC
5SY71638CC	5SY72638CC	5SY73638CC	5SY74638CC

## Betagard Circuit Breakers 5SY5, DC with C Characteristics

Reference No.	Reference No.
5SY51057CC	5SY52057CC
5SY51017CC	5SY52017CC
5SY51027CC	5SY52027CC
5SY51037CC	5SY52037CC
5SY51047CC	5SY52047CC
5SY51067CC	5SY52067CC
5SY51087CC	5SY52087CC
5SY51107CC	5SY52107CC
5SY51137CC	5SY52137CC
5SY51167CC	5SY52167CC
5SY51207CC	5SY52207CC
5SY51257CC	5SY52257CC
5SY51327CC	5SY52327CC
5SY51407CC	5SY52407CC
5SY51507CC	5SY52507CC
5SY51637CC	5SY52637CC

## Betagard Distribution Boards MB DBs

Reference No.	Reference No.
8GB31810RC01	8GB31813RC02
8GB31811RC01	8GB31814RC02
8GB31812RC01	8GB31815RC02
8GB31813RC01	
8GB31814RC01	8GB31810RC03
8GB31815RC01	8GB31811RC03
	8GB31812RC03
8GB31810RC02	8GB31813RC03
8GB31811RC02	8GB31814RC03
8GB31812RC02	8GB31815RC03

## Betagard Isolators 5TL1

Reference No.
5TL12320
5TL13320
5TL14320

## Terms and Conditions

Maximum Retail Price (MRP) / List Price (LP) is subject to revision without prior notice.

The company reserves the right to supply goods at its works or godown at its discretion.

The minimum order size for non-stock items (items not marked with ■) is 50 Nos. for each item or ₹ 50,000/- per item.

**Export control regulation - retention clause:** The fulfillment of the agreement on Siemens part is subject to the provision that this shall not be prevented by implements on the grounds of national and international legal requirements, in particular export control provision.

### Stock items

The normal stock items (indicated by ■) are subject to change without prior notice.

### Note

- This supercedes all previous Price Lists.
- List Prices (LPs) mentioned are exclusive of all taxes.
- Maximum Retail Prices (MRPs) mentioned in the publication are maximum recommended selling prices.
- Invoice amount not to exceed MRP
- Invoice amount = MRP (less) applicable discount + applicable GST %
- For receiving material in factory sealed packing, we request you to order in multiples of the indicated standard packing quantity.

Ask your nearest Siemens partners to include you in our mailing list.

Always make your purchases only from our authorised dealers. Details available with our sales office/territory managers.



# SENTRON 7KN Powercenter 1000

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**





### Monitoring and Protection

Detection of switching status and differentiation of tripping due to faults



### Signals and Warning

Alarm signals when exceeding a limit value



### Predictive Maintenance

Integrated operating cycles counter, operating hours and trip counter



### Data Acquisition

Measurement of current, voltages, mains frequency and temperature



### Overview of Energy Consumption

Measurement of Power and Energy values



### Communication Interface

through integrated MODBUS TCP and wireless interface

SENTRON circuit protection devices

Measurement

COM



# 7KT PAC1200

Multichannel current measuring system for flexible multichannel monitoring in final distribution

#### Current Sensors

- Versions: 40 A, 63 A

#### Sensor Bar

- Versions available for 3, 6, 9, 12

#### Data Manager

- Connection of up to 96 sensors (40A/63A)
- DIN rail installation (4MW)

#### Communication/ Software:

- Modbus TCP/ IP
- Simple system onfiguration via web server
- Easy access to energy data with mobile app (iOS/Android)

\*For more details, contact nearest Siemens Sales Office

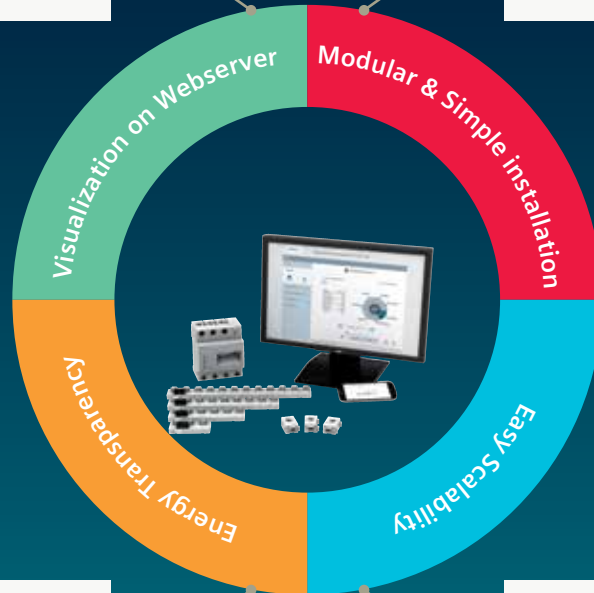
[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

**SIEMENS**

- Modbus TCP/IP communication
- Simple configuration of system via powerconfig V3.18 and web server
- Visualization of consumption via Webserver and Mobile App (Android/iOS)

- Flexible sensor bars and current sensors to record up to 96 circuits in one system
- Current sensors simply plug onto the sensor bars, eliminating extensive wiring

**fast**



plug  
and  
play

- Targeted detection of power guzzlers
- Simultaneous display of power consumption and costs
- Ensures optimal power monitoring

- Easy to Upgrade
- Scale up the system without any interruption or cumbersome wiring



Easy



Transparent



Cost-efficient



## Relevant Standards

Title	IS	IEC	Products							
			MCB		RCCB		RCBO	DB	AFDD	SPD
			5SL4/6/7	5SL5	5SV	5SM	5SU1	8GB	5SM6	5SD7
Electric Installations – MCBs for Building Installations and Similar Purposes Part 1: MCBs for AC Systems	IS 60898-1	IEC 60898-1	✓	–	–	–	–	–	–	–
Low-voltage switchgear and controlgear Part 2: Circuit-breakers	IS 60947-2	IEC 60947-2	–	✓	–	–	–	–	–	–
Residual Current Operated Circuit-Breakers for Household and Similar Uses, Part 1: Circuit-Breakers Without Integral Overcurrent Protection (RCCBs)	IS 12640-1	IEC 61008-1	–	–	✓	✓	–	–	–	–
Residual Current Operated Circuit-Breaking for Household and Similar Uses, Part 2: Circuit-Breakers with Integral Overcurrent Protection (RCBOs)	IS 12640-2	IEC 61009-1	–	–	–	–	✓	–	–	–
General requirements for arc fault detection devices	–	IEC 62606	–	–	–	–	–	–	✓	–
Low-voltage switchgear and controlgear assemblies, Part 2: Power switchgear and controlgear assemblies	–	IEC 61439-1/3	–	–	–	–	–	✓	–	–
Surge protective devices connected to low-voltage power systems	–	IEC 61643-11	–	–	–	–	–	–	–	✓



## Degree of Protection

First digit: Protection against solid foreign objects		Second digit: Protection against ingress of water	
	0 No protection		0 No protection
	1 Protected against solid objects up to 50mm (e.g. hand)		1 Protection against vertically falling drops of water (e.g. condensation)
	2 Protected against solid objects up to 12mm diameter (e.g. finger)		2 Protection against direct sprays of water up to 15 degrees from vertical
	3 Protected against solid objects up to 2.5mm diameter (e.g. screwdriver)		3 Protection against direct sprays of water up to 60 degrees from vertical
	4 Protected against solid objects up to 1mm diameter (e.g. wire)		4 Protection against water sprayed from all directions, limited ingress permitted
	5 Protected against dust: limited ingress permitted, no harmful deposit.		5 Protected against low-pressure jets of water from all directions, limited ingress permitted
	6 Totally protected against dust		6 Protected against strong jets of water from all directions, limited ingress permitted (e.g. water from heavy seas on a ship's deck)
			7 Protected against the effect of temporary immersion (30 min) between 15cm and 1m
			8 Protected against long period of immersion under pressure
			9 Protected against high pressure, high temperature jets of water from multiple directions

**IP 6 8**



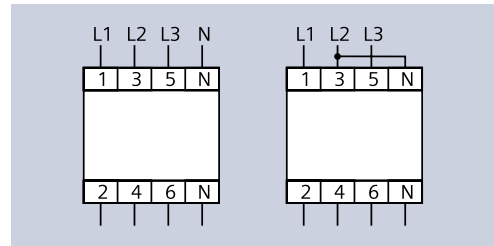


## Installation Guideline for RCCB

### RCCB suitability for various distribution networks.

Betagard RCCBs can be used in all 3 distribution network types viz. TN, TT & an IT network system. 4 pole RCCBs can also be used in 3 pole supply networks by adhering to installation guidelines. In this case, connection must be at terminals 1, 3 and 5 and 2, 4 and 6.

The function of the test equipment is only ensured if a jumper is fitted between terminals 3 and N.



### Types and waveform

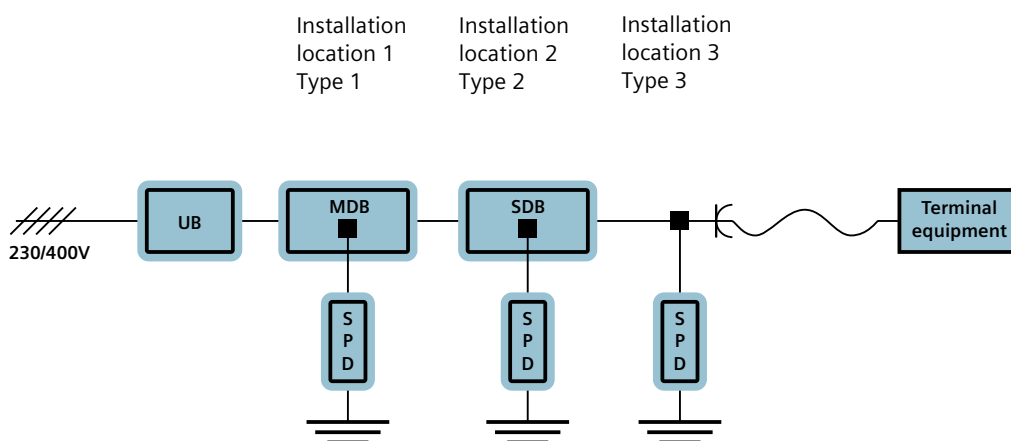
					6 mA	10 mA		
Type AC		■	-	-	-	-	-	-
Type A		■	■	■	■	-	-	-
Type F		■	■	■	■	■	■	-
Type B		■	■	■	■	■	■	■
Type B+		■	■	■	■	■	■	■

### Version

SIGRES	with active condensation protection for use in severe ambient conditions
[G] / [K]	super-resistant, 10 ms short-term delayed devices with increased immunity to false triggering due to transient disruptions
[S]	as an upstream group switch for selective shutdown against downstream RCCBs



## Installation locations for Surge Protection Devices (SPDs)



UB: Utility Box

MDB: Main distribution board

SDB: Sub Distribution board

Installation location 1 must be as close as possible to the supply point for the electrical system, so that the downstream installations are protected. The SPDs at installation locations 2 and 3 shall not be used without SPDs at installation location 1, and they must be coordinated with these SPDs (i.e. SPDs all from the same manufacturer).

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# Index

Contents	Page No.
<b>1</b> <b>Air Circuit Breakers</b>	<b>4-11</b>
Air circuit breakers - SENTRON 3WA <b>NEW</b>	7
Air circuit breakers - SENTRON 3WL <b>Plus</b>	8
Accessories for SENTRON 3WL <b>Plus</b> ACBs	8
Air circuit breakers - SENTRON 3WT <b>Plus</b>	10
Accessories for SENTRON 3WT <b>Plus</b> ACBs	11
<b>2</b> <b>Moulded Case Circuit Breakers</b>	<b>12-36</b>
Moulded case circuit breakers - SENTRON 3VA	13
Accessories for 3VA	19
Moulded case circuit breaker - SENTRON 3VA27	20
Moulded case circuit breakers - SENTRON 3VM	23
Accessories for 3VM	28
Moulded case circuit breakers - 3VT2...3	29
Accessories for 3VT2...3	29
Moulded case circuit breakers - 3VT4...5	30
Accessories for 3VT4...5	30
Moulded case circuit breakers - SINOVA 3VJ <b>NEW</b>	32
Accessories for 3VJ <b>NEW</b>	36
<b>3</b> <b>SIMARIS software tools</b>	<b>21</b>
<b>4</b> <b>Automatic transfer controller - SENTRON ATC 3100/6300/6500</b>	<b>37-38</b>
<b>5</b> <b>Load Break Switches</b>	<b>39-51</b>
Fuse switch disconnecter - 3NP1	40
Switch disconnecter fuse - 3KL8 (4P/3PN/3P)	43
Switch disconnecter fuse - 3KL8 (2P)	44
Switch disconnecter fuse in SS housing - 3KL8 (3PN/4P) <b>NEW</b>	44
Switch disconnecter - 3KA8 (2P/3PN/4P)	45
Accessories for 3KL8/ 3KA8 (2P/3P/3PN/4P) <b>NEW</b>	45
On Load Changeover Switch - SINOVA 3KJ <b>NEW</b>	47
Main control & emergency stop switches - 3LD2 & Accessories	50
Rotary Switches - 3LA0	51
<b>6</b> <b>SIVACON S8</b>	<b>49</b>
<b>7</b> <b>Control switches - 3LD4</b>	<b>52-58</b>
Instrumentation Selector Switch	53
ON OFF Switches <b>NEW</b>	53
Changeover Switch <b>NEW</b>	54
Phase Changeover Switch (PCS) <b>NEW</b>	54
Breaker Control Switch <b>NEW</b>	55
Multistep Switch <b>NEW</b>	55

Contents	Page No.
<b>8</b> <b>Energy Management System</b>	<b>59-65</b>
Multifunction meter SMART 7KT	60
Multifunction meter SENTRON 7KM PAC 3120 / 3220 / 4200	60
SENTRON 7KN Powercenter 3000 <b>NEW</b>	61
Energy Management Software: SENTRON powermanager	62
Power Quality Measurement SENTRON 7KM PAC 5100 / 5200	62
DIN rail mounted meters SENTRON 7KM PAC 2200/ 3200T / 7KT PAC1600	63
SENTRON 7KT PAC1200 - Multichannel current measuring system	64
<b>9</b> <b>Power Quality Solutions - PQS</b>	<b>66-71</b>
LV Power Capacitors - SIECAP™ 4RB <b>NEW</b>	67
Harmonics filter detuned reactor	70
Capacitor duty contactors - 3TS / 3MT	71
Automatic power factor correction relay - APFCR	71
<b>10</b> <b>Numerical Relays and Auxiliary Relays</b>	<b>72-74</b>
<b>11</b> <b>Arc Fault Detection Device</b>	<b>75</b>
<b>12</b> <b>Betagard Circuit Protection Devices</b>	<b>76-77</b>
Betagard Miniature Circuit Breakers - 5SL6/5SL4	76
Betagard Circuit Breakers - 5SL7/5SL5	77
<b>13</b> <b>Fuses</b>	<b>78-84</b>
DIN fuses - 3NA / Fuse bases (DIN)	79
DIN isolating links - 3NG	79
SENTRON 3NA COM LV HRC fuse link <b>NEW</b>	80
BS fuses - 3NW	81
Fuse holders and accessories for fuses - 3NW	81
Fuses for semiconductor protection - 3NE/ 3NC	82
Cylindrical fuses - 3NW	84
<b>14</b> <b>SSD Surge Protection Device</b>	<b>85</b>
<b>15</b> <b>INDUSTRY 4.0</b>	<b>86</b>
<b>16</b> <b>Type-2 Co-ordination Charts</b>	<b>87-90</b>
<b>17</b> <b>SENTRON Digitalization solutions <b>NEW</b></b>	<b>92-93</b>
<b>18</b> <b>Available till stocks last</b>	<b>94</b>
<b>19</b> <b>Discontinued products</b>	<b>95</b>
<b>20</b> <b>Contact Partners</b>	
Customer care	99
Training centres	Front cover inside
Terms and conditions	100
Offices and territory managers	Back cover





# | 3WA air circuit breakers

## Made for makers. Simply reliable

Fail-safe power distribution is a job for makers. The 3WA air circuit breaker makes sure you get the job done reliably.

3WA air circuit breakers continue Siemens' tradition of switchgear innovation and bring power distribution into the digital age. Whether you are quality-conscious, efficient, future-, or system-oriented: The 3WA air circuit breaker will be the new central component in your panel.

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Scan for more info



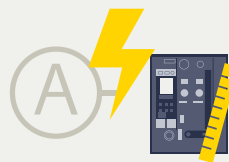
Future ready



Easy operation



Advanced connectivity



Smallest footprint



Shorter downtime



Efficient metering



Easy upgrade



Enhanced safety



Cyber security



High system availability





# 3WA air circuit breakers

## The future of digital power distribution

The future will be connected.

The makers of tomorrow will require advanced diagnostics and safety during operation. They will need access to their power distribution system remotely and securely. With 3WA we invite you to a more connected and sustainable tomorrow.

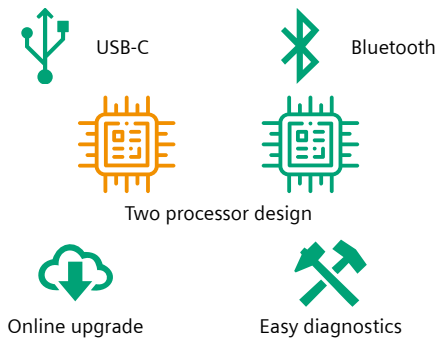
Welcome to the future of digital power distribution.

[siemens.com/3wa](https://www.siemens.com/3wa)

**SIEMENS**

# ACB: SENTRON 3WA NEW

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Short circuit breaking capacity upto 150kA
- Fully rated upto 55°C with 100% rated neutral
- Best in class endurance
- Upgradeable ETU with unique dual processor
- Industry leading diagnostic & testing features
- Cybersecure communication module with dual communication
- Advanced metering as per IEC 61557-12



Standard breaking capacity  $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU600 with LSING<sup>1)</sup> protection

Frame Size	Rated Current In (A)	Type	Withdrawable <sup>2)</sup> design with Guide Frame		Fixed <sup>3)</sup> mounted design	
			Unit LP* ₹		Unit LP* ₹	
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WA1106....	405115.-	505810.-	275010.-	401245.-
	800	3WA1108....	409300.-	515300.-	282775.-	410900.-
	1000	3WA1110....	419505.-	549390.-	308140.-	432685.-
	1250	3WA1112....	503135.-	630345.-	373835.-	523180.-
	1600	3WA1116....	552425.-	690205.-	394335.-	561830.-
II	2000	3WA1220....	608965.-	765305.-	437635.-	616875.-
	2500	3WA1225....	681870.-	886225.-	444580.-	669785.-
	3200	3WA1232....	876680.-	1195585.-	606435.-	1005355.-
	4000	3WA1240....	1020915.-	1286025.-	833240.-	1115535.-
III	5000	3WA1350....	1645640.-	2081855.-	1471490.-	1924515.-
	6300	3WA1363....	2204620.-	2764585.-	1914120.-	2516795.-

L: Overload protection      S: Delayed Short Circuit protection      I: Short circuit protection  
 G: Ground fault protection      N: Neutral protection

Note: Std. Pkg. = 1 unit

- 1) Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.
- 2) Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, Spring charge, ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).
- 3) Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame Spring charge, ready to close signal switch, auxiliary contacts 2NO+2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Prices of ACBs with other breaking capacities, 1000/1150V AC applications & DC applications available on request

## Add-on options (Factory fitted)

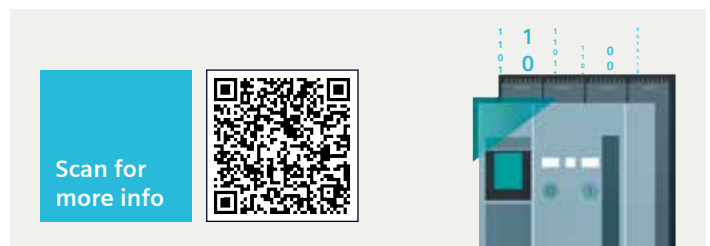
Description	Add LP* ₹
Door Interlock	7625.-
Position Signal Switch for Withdrawable Breaker	19735.-
Castell lock mounting kit <sup>#</sup>	6430.-
Mutual Mechanical Interlocking (Bowden wire)	Price on request
PROFINET / MODBUS TCP Communication module	

# Castell locks are to be ordered separately.

Please consult your nearest sales office for complete ordering code.

Motorised Mechanism	Add LP* ₹
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil	104350.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	104350.-

Motorized mechanism with other control voltages are available on request



## Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WA9111-0AD02	16610.-
	110	110	3WA9111-0AD05	16610.-
	230	220	3WA9111-0AD06	16610.-
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07	18360.-
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02	91825.-
	110-127	110-125	3WA9111-0AF05	91825.-
	208-240	220-250	3WA9111-0AF06	91825.-
Castell Lock	-	-	3WX3663-6JEL_ <sup>§</sup>	4970.-

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please consult your nearest sales office for type nos. and prices.

§ Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.

Std. Pkg. = 1 unit

\* LP - List Price

## ACB: SENTRON 3WL *Plus*

- Conforms to IEC 60947-2
- Rated current - 630A to 6300A
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 55°C
- Neutral 100% rated
- Integrated online test facility
- Unique CubicleBus technology
- Data communication and power management options



Standard breaking capacity  $I_{cs} = 100\% I_{cu}$

Manually operated ACB

Microprocessor based trip unit ETU45B LSIN protection (Overload and short circuit protection)

Frame Size	Rated Current In (A)	Type	Withdrawable design with Guide Frame		Fixed mounted design	
			Unit LP* ₹		Unit LP* ₹	
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WL1106....	364325.-	460225.-	240415.-	360640.-
	800	3WL1108....	368315.-	469265.-	247810.-	369835.-
	1000	3WL1110....	378030.-	501730.-	271965.-	390580.-
	1250	3WL1112....	457675.-	578830.-	334530.-	476765.-
	1600	3WL1116....	504625.-	635845.-	354055.-	513575.-
II	2000	3WL1220....	558470.-	707360.-	395295.-	566000.-
	2500	3WL1225....	627900.-	822525.-	401910.-	616390.-
	3200	3WL1232....	813435.-	1117155.-	556060.-	935985.-
	4000	3WL1240....	935705.-	1188190.-	756960.-	1025815.-
III	5000	3WL1350....	1545780.-	1961225.-	1379920.-	1811370.-
	6300	3WL1363....	2078140.-	2611440.-	1801475.-	2375445.-

Prices of ACBs with other breaking capacities available on request.

L: Overload protection      S: Delayed Short Circuit protection      I: Short circuit protection  
G: Ground fault protection      N: Neutral protection

Note: Std. Pkg. = 1 unit

### Add-on options (Factory fitted)

Microprocessor based Release	Add LP* ₹
For ground fault protection	27045.-
Protection function LSIN with Current display	12930.-
Protection function LSING with Current display	38775.-

For prices of breakers with other types of microprocessor based trip unit, please consult your nearest sales office

Motorised Mechanism	Add LP* ₹
208-240VAC, 220Vdc motor, closing coil & Shunt trip coil	99370.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	99370.-

Motorized mechanism with other control voltages are available on request

All ACBs are with Top Horizontal - Bottom Horizontal main terminals except 6300A & 4000A which have only Vertical-Vertical main termination.

Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, door sealing frame, ready to close signal switch, auxiliary contacts 2NO+ 2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).

Standard accessories included for fixed type ACB (EF/IF) = Door sealing frame, ready to close signal switch, auxiliary contacts 2NO+2NC and trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit)

Neutral CT if required, shall be ordered separately. \*Castell locks are to be ordered separately.

Please consult your nearest sales office for complete ordering code.

### Add-on options (Factory fitted)

Description	Add LP* ₹
Spring Charge Signal Switch	8570.-
Door Interlock	7260.-
Position Signal Switch for Withdrawable Breaker	18795.-
Castell lock mounting kit*	6120.-
Mutual Mechanical Interlocking (Bowden wire)	Price on request
Metering function Plus (voltage transformer must be ordered separately)	
Profibus communication connection (COM15 + BSS)	
Modbus communication connection (COM16 + BSS)	
Modbus TCP/PROFINET communication connection (COM35 + BSS) <b>NEW</b>	

ACB for 1000/1150 V AC operation and DC application available on request

## Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WA9111-0AD02	16610.-
	110	110	3WA9111-0AD05	16610.-
	230	220	3WA9111-0AD06	16610.-
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07	18360.-
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02	91825.-
	110-127	110-125	3WA9111-0AF05	91825.-
	208-240	220-250	3WA9111-0AF06	91825.-
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0	11045.-
Castell Lock	-	-	3WX3663-6JEL_ <sup>s</sup>	4970.-

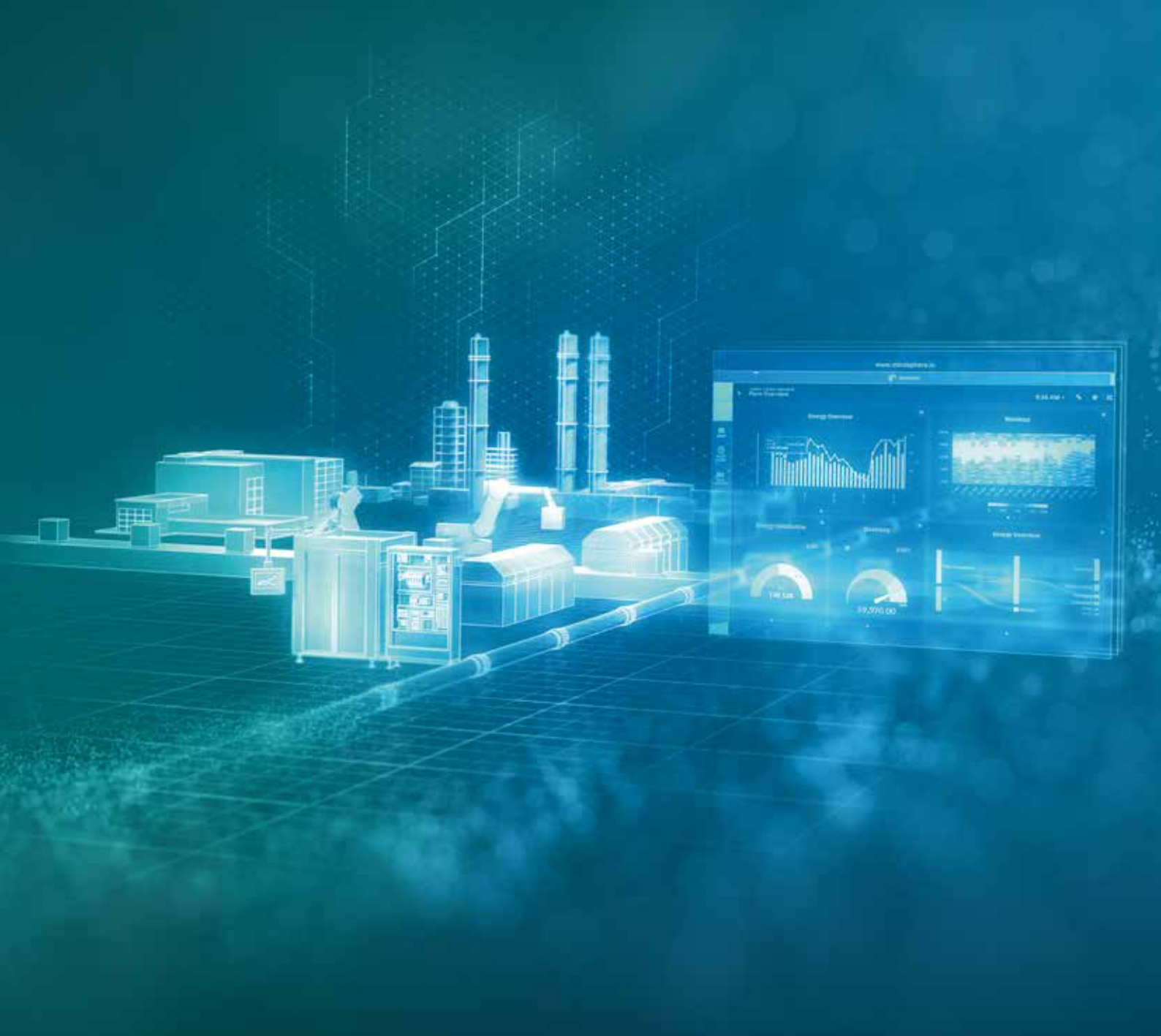
Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please consult your nearest sales office for type nos. and prices.

\$ Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.

Std. Pkg. = 1 unit

\* LP - List Price





# SENTRON 3WT<sup>Plus</sup> Air Circuit Breakers

Unlock the future!!

- **Integrated communication and metering option**
- **Easy parameterization and diagnostics with Powerconfig**
- Wide range with 630A - 4000A current ratings
- 3P & 4P, Fixed & Withdrawable versions
- Available for operating voltages up to 690V AC
- Superior thermal ratings (no derating upto 50°C)

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

# ACB: 3WT<sup>Plus</sup>



- Conforms to IEC 60947-2
- Rated current - 630A to 4000A
- $U_{imp} = 12kV$
- **Integrated communication & metering option**
- **Easy parameterization and diagnostics with Powerconfig**
- Mechanical contact erosion indicator
- Fully rated upto 50°C
- Integrated LCD display and Online test facility
- Variants available for 690V AC applications

## Standard breaking capacity, 500VAC $I_{cs} = 100\% I_{cu}$

Microprocessor based trip unit ETU37WT: LSING<sup>1)</sup> + Display

Frame Size	Rated current In (A)		Withdrawable design with Guide Frame <sup>2)</sup>				
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹	
I	630	MDO	3WT8061-6AA04-5AB2	266815.-	3WT8065-6AA04-5AB2	346865.-	
		EDO	3WT8061-6UA34-5AB2	345120.-	3WT8065-6UA34-5AB2	425170.-	
	800	MDO	3WT8081-6AA04-5AB2	281585.-	3WT8085-6AA04-5AB2	368615.-	
		EDO	3WT8081-6UA34-5AB2	359890.-	3WT8085-6UA34-5AB2	446920.-	
	1000	MDO	3WT8101-6AA04-5AB2	289230.-	3WT8105-6AA04-5AB2	375170.-	
		EDO	3WT8101-6UA34-5AB2	367535.-	3WT8105-6UA34-5AB2	453475.-	
	1250	MDO	3WT8121-6AA04-5AB2	355260.-	3WT8125-6AA04-5AB2	422335.-	
		EDO	3WT8121-6UA34-5AB2	433565.-	3WT8125-6UA34-5AB2	500640.-	
	● 1600	MDO	3WT8161-6AA04-5AB2	381290.-	3WT8165-6AA04-5AB2	461565.-	
		EDO	3WT8161-6UA34-5AB2	459595.-	3WT8165-6UA34-5AB2	539870.-	
	II	● 2000	MDO	3WT8202-6AA04-5AB2	479060.-	3WT8206-6AA04-5AB2	589610.-
			EDO	3WT8202-6UA34-5AB2	557365.-	3WT8206-6UA34-5AB2	667915.-
● 2500		MDO	3WT8252-6AA04-5AB2	542640.-	3WT8256-6AA04-5AB2	689880.-	
		EDO	3WT8252-6UA34-5AB2	620945.-	3WT8256-6UA34-5AB2	768185.-	
● 3200		MDO	3WT8322-6AA04-5AB2	695690.-	3WT8326-6AA04-5AB2	853620.-	
		EDO	3WT8322-6UA34-5AB2	773995.-	3WT8326-6UA34-5AB2	931925.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



5

Reduce

1455.-



5

Reduce

1455.-

Microprocessor based trip unit ETU37WT: LSING<sup>1)</sup> + Display

Frame Size	Rated current In (A)		Fixed Mounted design <sup>3)</sup>				
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹	
I	630	MF	3WT8061-6AA00-0AA2	196070.-	3WT8065-6AA00-0AA2	265270.-	
		EF	3WT8061-6UA30-0AA2	274375.-	3WT8065-6UA30-0AA2	343575.-	
	800	MF	3WT8081-6AA00-0AA2	211645.-	3WT8085-6AA00-0AA2	291210.-	
		EF	3WT8081-6UA30-0AA2	289950.-	3WT8085-6UA30-0AA2	369515.-	
	1000	MF	3WT8101-6AA00-0AA2	215750.-	3WT8105-6AA00-0AA2	308495.-	
		EF	3WT8101-6UA30-0AA2	294055.-	3WT8105-6UA30-0AA2	386800.-	
	1250	MF	3WT8121-6AA00-0AA2	293465.-	3WT8125-6AA00-0AA2	347030.-	
		EF	3WT8121-6UA30-0AA2	371770.-	3WT8125-6UA30-0AA2	425335.-	
	● 1600	MF	3WT8161-6AA00-0AA2	299645.-	3WT8165-6AA00-0AA2	371725.-	
		EF	3WT8161-6UA30-0AA2	377950.-	3WT8165-6UA30-0AA2	450030.-	
	II	● 2000	MF	3WT8202-6AA00-0AA2	336990.-	3WT8206-6AA00-0AA2	483755.-
			EF	3WT8202-6UA30-0AA2	415295.-	3WT8206-6UA30-0AA2	562060.-
● 2500		MF	3WT8252-6AA00-0AA2	380385.-	3WT8256-6AA00-0AA2	567970.-	
		EF	3WT8252-6UA30-0AA2	458690.-	3WT8256-6UA30-0AA2	646275.-	
● 3200		MF	3WT8322-6AA00-0AA2	579165.-	3WT8326-6AA00-0AA2	713275.-	
		EF	3WT8322-6UA30-0AA2	657470.-	3WT8326-6UA30-0AA2	791580.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



5

Reduce

1455.-



5

Reduce

1455.-

For Non-Automatic ACBs please deduct ₹ 3305/- from the LPs of the ACBs marked ●. For type nos. of Non-Automatic ACBs contact nearest sales office

L: Overload protection S: Delayed Short Circuit protection

I: Short circuit protection

G: Ground fault protection<sup>1)</sup>

N: Neutral protection<sup>1)</sup>

Standard accessories included for electrical ACB (EDO/EF) = Motor operated mechanism, with mechanical and electrical closing, motor and closing solenoid of 220-240V AC/DC and shunt release of 220-240V AC/DC.

<sup>1)</sup> Current transformer for N-conductor shall be ordered separately for 3P ACB with Earth Fault and Neutral Conductor Protection.

<sup>2)</sup> Standard Accessories included for draw out type ACB (EDO/MDO) = Safety shutter, sealing cap over Off button, door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+ 2NC

<sup>3)</sup> Standard accessories included for fixed type ACB (EF/MF) = Door sealing frame, trip unit transparent cover, trip signaling contact, ready to close signaling contact, auxiliary contacts 2NO+2NC

Note: Please contact nearest sales office for information on prices of 4000A ACB.

Additional LP for 690V AC ACB - ₹ 35465/-

Std. Pkg. = 1 unit

\* LP - List Price

## 3WT<sup>Plus</sup> Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00	84025.-
	220-240	220-250	3WT9831-1JK00	84025.-
Shunt Release or Closing Coil Suitable for continuous operation	–	24	3WT9851-1JB00	7195.-
	110-127	110-125	3WT9851-1JH00	7195.-
Under Voltage Release Instantaneous	220-240	220-250	3WT9851-1JK00	7195.-
	110-127	110-125	3WT9853-1JH00	7480.-
	208-240	220-250	3WT9853-1JK00	7480.-
Auxiliary Terminal Block	380-415	–	3WT9853-1JM00	7480.-
	Fixed circuit breaker		3WT9825-1JC00	5255.-
	Drawout circuit breaker		3WT9827-1JA00	5255.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	3305.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	16265.-
5 digit operating cycle counter			3WT9864-OCA00	13580.-
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker			3WT9867-1JC00	12625.-
Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-2JA00	12625.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	10715.-
Castell Lock			3WX3663-6JEL_#	4970.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-OJA00	3165.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	25845.-
	Size II		3WL9111-0AA22-0AA0	31425.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	28365.-
	Size II		3WL9111-0AA32-0AA0	32555.-

# Types of castell locks shall be of type A, B, C, D, AB, AC; \_ to be replaced by the type no.

For fitment of motor/ shunt/ closing coil/ UV release/ addl. auxiliary contacts please order necessary Auxiliary terminal blocks as per circuit diagram.

## Add-on options (Factory fitted)

Description	Unit LP* ₹
MODBUS RTU communication module	Price on request
Metering function with integrated Voltage tap	
Arc chute cover	
Phase barriers	

## Retrofit solution

Description	Unit LP* ₹
Ready to fit kit for upgrading from our old or other make conventional Air Circuit Breaker to modern SENTRON range of ACBs. <ul style="list-style-type: none"> <li>• Minimum Shut Down Time</li> <li>• No change in the existing panel except door cut out</li> <li>• No change in the existing panel bus-bars</li> <li>• Proven Siemens Design</li> <li>• No over heating</li> <li>• Cost Effective &amp; Quality Solution</li> </ul>	Upon enquiry

For more details write to us at: [ics.india@siemens.com](mailto:ics.india@siemens.com) • Toll Free No: 1800220987/18002090987

Std. Pkg. = 1 unit

\* LP - List Price





# 3VA moulded case circuit breakers

Discover the perfect system

[www.siemens.com/3VA](http://www.siemens.com/3VA)

**SIEMENS**

## MCCB: SENTRON 3VA

- Rated current: 16A to 1250A
- 1 pole<sup>^</sup>, 2 pole<sup>^</sup>, 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit
- Common Internal accessories for the entire range
- Information on the GO - Unique Knowledge Manager (QR Code) for 24 X 7 Technical Information
- Innovative Accessories viz. Short Circuit Alarm Switch, Illuminated Handle, Shunt Trip Flexible etc



### SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu, 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA10	16kA	16	3VA1096-2ED32-0AA0	9575.-	3VA1096-2ED42-0AA0	12415.-
		20	3VA1020-2ED32-0AA0	9575.-	3VA1020-2ED42-0AA0	12415.-
		25	3VA1025-2ED32-0AA0	9575.-	3VA1025-2ED42-0AA0	12415.-
		32	3VA1032-2ED32-0AA0	9575.-	3VA1032-2ED42-0AA0	12415.-
		40	3VA1040-2ED32-0AA0	9575.-	3VA1040-2ED42-0AA0	12415.-
		50	3VA1050-2ED32-0AA0	9575.-	3VA1050-2ED42-0AA0	12415.-
		63	3VA1063-2ED32-0AA0	9575.-	3VA1063-2ED42-0AA0	12415.-
		80	3VA1080-2ED32-0AA0	10475.-	3VA1080-2ED42-0AA0	13605.-
3VA10	25kA	100	3VA1010-2ED32-0AA0	12125.-	3VA1010-2ED42-0AA0	15790.-
		16	3VA1096-3ED32-0AA0	9835.-	3VA1096-3ED42-0AA0	12830.-
		20	3VA1020-3ED32-0AA0	9835.-	3VA1020-3ED42-0AA0	12830.-
		25	3VA1025-3ED32-0AA0	9835.-	3VA1025-3ED42-0AA0	12830.-
		32	3VA1032-3ED32-0AA0	9835.-	3VA1032-3ED42-0AA0	12830.-
		40	3VA1040-3ED32-0AA0	9835.-	3VA1040-3ED42-0AA0	12830.-
		50	3VA1050-3ED32-0AA0	9835.-	3VA1050-3ED42-0AA0	12830.-
		63	3VA1063-3ED32-0AA0	9835.-	3VA1063-3ED42-0AA0	12830.-
3VA11	25kA	80	3VA1080-3ED32-0AA0	10695.-	3VA1080-3ED42-0AA0	13920.-
		100	3VA1010-3ED32-0AA0	12610.-	3VA1010-3ED42-0AA0	16115.-
3VA11	25kA	125	3VA1112-3ED32-0AA0	21260.-	3VA1112-3ED42-0AA0	27090.-
		160	3VA1116-3ED32-0AA0	24275.-	3VA1116-3ED42-0AA0	31590.-
3VA10	36kA	16	3VA1096-4ED32-0AA0	10380.-	3VA1196-4GD42-0AA0	14365.-
		20	3VA1020-4ED32-0AA0	10380.-	3VA1120-4GD42-0AA0	14365.-
		25	3VA1025-4ED32-0AA0	10380.-	3VA1125-4GD42-0AA0	14365.-
		32	3VA1032-4ED32-0AA0	10380.-	3VA1132-4GD42-0AA0	14365.-
		40	3VA1040-4ED32-0AA0	10380.-	3VA1140-4GD42-0AA0	14365.-
		50	3VA1050-4ED32-0AA0	10380.-	3VA1150-4GD42-0AA0	14365.-
		63	3VA1063-4ED32-0AA0	10380.-	3VA1163-4GD42-0AA0	14365.-
		80	3VA1080-4ED32-0AA0	10890.-	3VA1180-4GD42-0AA0	15750.-
3VA11	36kA	100	3VA1010-4ED32-0AA0	13115.-	3VA1110-4GD42-0AA0	18195.-
		125	3VA1112-4ED32-0AA0	22655.-	3VA1112-4GD42-0AA0	29450.-
3VA11	36kA	160	3VA1116-4ED32-0AA0	26415.-	3VA1116-4GD42-0AA0	34345.-
		16	3VA1196-5ED32-0AA0	12165.-	3VA1196-5GD42-0AA0	15790.-
3VA11	55kA	20	3VA1120-5ED32-0AA0	12165.-	3VA1120-5GD42-0AA0	15790.-
		25	3VA1125-5ED32-0AA0	12165.-	3VA1125-5GD42-0AA0	15790.-
		32	3VA1132-5ED32-0AA0	12165.-	3VA1132-5GD42-0AA0	15790.-
		40	3VA1140-5ED32-0AA0	12165.-	3VA1140-5GD42-0AA0	15790.-
		50	3VA1150-5ED32-0AA0	12165.-	3VA1150-5GD42-0AA0	15790.-
		63	3VA1163-5ED32-0AA0	12400.-	3VA1163-5GD42-0AA0	15790.-
		80	3VA1180-5ED32-0AA0	13345.-	3VA1180-5GD42-0AA0	17340.-
		100	3VA1110-5ED32-0AA0	15450.-	3VA1110-5GD42-0AA0	20040.-
		125	3VA1112-5ED32-0AA0	24895.-	3VA1112-5GD42-0AA0	32355.-
		160	3VA1116-5ED32-0AA0	29030.-	3VA1116-5GD42-0AA0	37775.-

<sup>^</sup> 3VA1 TMTU up to 160A

Std. Pkg. = 1 unit \* LP - List Price



SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Adj. Thermal Fixed Magnetic (ATFM), Ics = 100% Icu, 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	25kA	16	3VA1196-3EE32-0AA0	12485.-	3VA1196-3GE42-0AA0	17880.-
		20	3VA1120-3EE32-0AA0	12485.-	3VA1120-3GE42-0AA0	17880.-
		25	3VA1125-3EE32-0AA0	12485.-	3VA1125-3GE42-0AA0	17880.-
		32	3VA1132-3EE32-0AA0	12485.-	3VA1132-3GE42-0AA0	17880.-
		40	3VA1140-3EE32-0AA0	12485.-	3VA1140-3GE42-0AA0	17880.-
		50	3VA1150-3EE32-0AA0	12485.-	3VA1150-3GE42-0AA0	17880.-
		63	3VA1163-3EE32-0AA0	12485.-	3VA1163-3GE42-0AA0	17880.-
		80	3VA1180-3EE32-0AA0	12485.-	3VA1180-3GE42-0AA0	17880.-
		100	3VA1110-3EE32-0AA0	13345.-	3VA1110-3GE42-0AA0	17880.-
		125	3VA1112-3EE32-0AA0	22655.-	3VA1112-3GE42-0AA0	27895.-
3VA11	36kA	16	3VA1196-4EE32-0AA0	15415.-	3VA1196-4GE42-0AA0	20175.-
		20	3VA1120-4EE32-0AA0	15415.-	3VA1120-4GE42-0AA0	20175.-
		25	3VA1125-4EE32-0AA0	15415.-	3VA1125-4GE42-0AA0	20175.-
		32	3VA1132-4EE32-0AA0	15415.-	3VA1132-4GE42-0AA0	20175.-
		40	3VA1140-4EE32-0AA0	15415.-	3VA1140-4GE42-0AA0	20175.-
		50	3VA1150-4EE32-0AA0	15415.-	3VA1150-4GE42-0AA0	20175.-
		63	3VA1163-4EE32-0AA0	15415.-	3VA1163-4GE42-0AA0	20175.-
		80	3VA1180-4EE32-0AA0	15415.-	3VA1180-4GE42-0AA0	20175.-
		100	3VA1110-4EE32-0AA0	15415.-	3VA1110-4GE42-0AA0	20175.-
		125	3VA1112-4EE32-0AA0	23720.-	3VA1112-4GE42-0AA0	30220.-
3VA12		160	3VA1116-4EE32-0AA0	27145.-	3VA1116-4GE42-0AA0	35230.-
		200	3VA1220-4EE32-0AA0	34245.-	3VA1220-4GE42-0AA0	42195.-
3VA13		250	3VA1225-4EE32-0AA0	36305.-	3VA1225-4GE42-0AA0	45580.-
		320	3VA1332-4EE32-0AA0	48680.-	3VA1332-4GE42-0AA0	63025.-
3VA14		400	3VA1340-4EE32-0AA0	48680.-	3VA1340-4GE42-0AA0	63025.-
		500	3VA1450-4EE32-0AA0	62830.-	3VA1450-4GE42-0AA0	81395.-
3VA11	55kA	630	3VA1463-4EE32-0AA0	62830.-	3VA1463-4GE42-0AA0	81395.-
		16	3VA1196-5EE32-0AA0	17565.-	3VA1196-5GE42-0AA0	22200.-
		20	3VA1120-5EE32-0AA0	17565.-	3VA1120-5GE42-0AA0	22200.-
		25	3VA1125-5EE32-0AA0	17565.-	3VA1125-5GE42-0AA0	22200.-
		32	3VA1132-5EE32-0AA0	17565.-	3VA1132-5GE42-0AA0	22200.-
		40	3VA1140-5EE32-0AA0	17565.-	3VA1140-5GE42-0AA0	22200.-
		50	3VA1150-5EE32-0AA0	17565.-	3VA1150-5GE42-0AA0	22200.-
		63	3VA1163-5EE32-0AA0	17565.-	3VA1163-5GE42-0AA0	22200.-
		80	3VA1180-5EE32-0AA0	17565.-	3VA1180-5GE42-0AA0	22200.-
		100	3VA1110-5EE32-0AA0	17565.-	3VA1110-5GE42-0AA0	22200.-
3VA12		125	3VA1112-5EE32-0AA0	27585.-	3VA1112-5GE42-0AA0	33130.-
		160	3VA1116-5EE32-0AA0	29840.-	3VA1116-5GE42-0AA0	38515.-
		200	3VA1220-5EE32-0AA0	35660.-	3VA1220-5GE42-0AA0	43555.-
3VA13		250	3VA1225-5EE32-0AA0	37810.-	3VA1225-5GE42-0AA0	47900.-
		320	3VA1332-5EE32-0AA0	55510.-	3VA1332-5GE42-0AA0	69540.-
3VA14		400	3VA1340-5EE32-0AA0	55510.-	3VA1340-5GE42-0AA0	69540.-
		500	3VA1450-5EE32-0AA0	71795.-	3VA1450-5GE42-0AA0	89690.-
3VA15		630	3VA1463-5EE32-0AA0	71795.-	3VA1463-5GE42-0AA0	89690.-
		800#	3VA1580-5EF32-0AA0	107265.-	3VA1580-5GF42-0AA0	139005.-
3VA11	70kA	1000#	3VA1510-5EF32-0AA0	149850.-	3VA1510-5GF42-0AA0	194450.-
		16	3VA1196-6EE32-0AA0	24030.-	3VA1196-6GE42-0AA0	30210.-
		20	3VA1120-6EE32-0AA0	24030.-	3VA1120-6GE42-0AA0	30210.-
		25	3VA1125-6EE32-0AA0	24030.-	3VA1125-6GE42-0AA0	30210.-
		32	3VA1132-6EE32-0AA0	24030.-	3VA1132-6GE42-0AA0	30210.-
		40	3VA1140-6EE32-0AA0	24030.-	3VA1140-6GE42-0AA0	30210.-
		50	3VA1150-6EE32-0AA0	24030.-	3VA1150-6GE42-0AA0	30210.-
		63	3VA1163-6EE32-0AA0	24030.-	3VA1163-6GE42-0AA0	30210.-
		80	3VA1180-6EE32-0AA0	24030.-	3VA1180-6GE42-0AA0	30210.-
		100	3VA1110-6EE32-0AA0	24030.-	3VA1110-6GE42-0AA0	30210.-
3VA12		125	3VA1112-6EE32-0AA0	44680.-	3VA1112-6GE42-0AA0	47915.-
		160	3VA1116-6EE32-0AA0	44680.-	3VA1116-6GE42-0AA0	47915.-
		200	3VA1220-6EE32-0AA0	48090.-	3VA1220-6GE42-0AA0	61880.-
3VA13		250	3VA1225-6EE32-0AA0	53895.-	3VA1225-6GE42-0AA0	61880.-
		320	3VA1332-6EE32-0AA0	60845.-	3VA1332-6GE42-0AA0	78660.-
3VA14		400	3VA1340-6EE32-0AA0	60845.-	3VA1340-6GE42-0AA0	78660.-
		500	3VA1450-6EE32-0AA0	86490.-	3VA1450-6GE42-0AA0	112135.-
3VA15		630	3VA1463-6EE32-0AA0	86490.-	3VA1463-6GE42-0AA0	112135.-
		800#	3VA1580-6EF32-0AA0	118120.-	3VA1580-6GF42-0AA0	153070.-
		1000#	3VA1510-6EF32-0AA0	164715.-	3VA1510-6GF42-0AA0	214125.-

Std. Pkg. = 1 unit # - Adjustable Thermal, Adjustable Magnetic \* LP - List Price

Circuit Breakers

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Adj. Thermal Adj. Magnetic (ATAM), Ics = 100% Icu, 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA12	36kA	250	3VA1225-4EF32-0AA0	Price on Request	3VA1225-4GF42-0AA0	Price on Request
3VA13		320	3VA1332-4EF32-0AA0		3VA1332-4GF42-0AA0	
3VA14		400	3VA1340-4EF32-0AA0		3VA1340-4GF42-0AA0	
		500	3VA1450-4EF32-0AA0		3VA1450-4GF42-0AA0	
55kA	630	3VA1463-4EF32-0AA0	3VA1463-4GF42-0AA0			
	250	3VA1225-5EF32-0AA0	3VA1225-5GF42-0AA0			
	320	3VA1332-5EF32-0AA0	3VA1332-5GF42-0AA0			
	400	3VA1340-5EF32-0AA0	3VA1340-5GF42-0AA0			
3VA14	500	3VA1450-5EF32-0AA0	3VA1450-5GF42-0AA0			
	630	3VA1463-5EF32-0AA0	3VA1463-5GF42-0AA0			
70kA	250	3VA1225-6EF32-0AA0	3VA1225-6GF42-0AA0			
	320	3VA1332-6EF32-0AA0	3VA1332-6GF42-0AA0			
	400	3VA1340-6EF32-0AA0	3VA1340-6GF42-0AA0			
	500	3VA1450-6EF32-0AA0	3VA1450-6GF42-0AA0			
3VA14	630	3VA1463-6EF32-0AA0	3VA1463-6GF42-0AA0			

For lower ratings, kindly contact nearest Sales office

SENTRON 3VA MCCB for Motor Starter Protection (Adjustable Magnetic trip unit, 3pole)

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)		Breaking Capacity (70kA, 415V, 50Hz)	
		Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	1	3VA1181-5MG32-0AA0*	16150.-	3VA1181-6MG32-0AA0*	19835.-
	2	3VA1102-5MG32-0AA0*	16150.-	3VA1102-6MG32-0AA0*	19835.-
	4	3VA1104-5MG32-0AA0*	16150.-	3VA1104-6MG32-0AA0*	19835.-
	8	3VA1108-5MG32-0AA0*	16150.-	3VA1108-6MG32-0AA0*	19835.-
	12.5	3VA1192-5MG32-0AA0*	16150.-	3VA1192-6MG32-0AA0*	19835.-
	20	3VA1120-5MH32-0AA0	16150.-	3VA1120-6MH32-0AA0	19835.-
	32	3VA1132-5MH32-0AA0	19295.-	3VA1132-6MH32-0AA0	20790.-
	40	3VA1140-5MH32-0AA0	19295.-	3VA1140-6MH32-0AA0	20790.-
	50	3VA1150-5MH32-0AA0	19295.-	3VA1150-6MH32-0AA0	20790.-
	63	3VA1163-5MH32-0AA0	19295.-	3VA1163-6MH32-0AA0	20790.-
	80	3VA1180-5MH32-0AA0	19295.-	3VA1180-6MH32-0AA0	20790.-
	100	3VA1110-5MH32-0AA0	19295.-	3VA1110-6MH32-0AA0	20790.-
	125	3VA1112-5MH32-0AA0	27675.-	3VA1112-6MH32-0AA0	29915.-
3VA12	160	3VA1216-5MH32-0AA0	29040.-	3VA1216-6MH32-0AA0	41385.-
	200	3VA1220-5MH32-0AA0	39940.-	3VA1220-6MH32-0AA0	49015.-
3VA13	250	3VA1325-5MH32-0AA0	43580.-	3VA1325-6MH32-0AA0	49605.-
	320	3VA1332-5MH32-0AA0	59805.-	3VA1332-6MH32-0AA0	68150.-
3VA14	400	3VA1440-5MH32-0AA0	68460.-	3VA1440-6MH32-0AA0	71525.-
	500	3VA1450-5MH32-0AA0	78810.-	3VA1450-6MH32-0AA0	89475.-
3VA15	630	3VA1563-5MH32-0AA0	90855.-	3VA1563-6MH32-0AA0	98975.-
	800	3VA1580-5MH32-0AA0	120680.-	3VA1580-6MH32-0AA0	132885.-

Std. Pkg. = 1 unit  
& Fixed magnetic trip unit

\* LP - List Price

SETRON 3VA MCCB, Switch Disconnector (without protection)

Frame Size	Breaking Capacity	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	NA	63	3VA1163-1AA32-0AA0	13555.-	3VA1163-1AA42-0AA0	20030.-
		100	3VA1110-1AA32-0AA0	13555.-	3VA1110-1AA42-0AA0	20030.-
		125	3VA1112-1AA32-0AA0	27730.-	3VA1112-1AA42-0AA0	36970.-
		160	3VA1116-1AA32-0AA0	27730.-	3VA1116-1AA42-0AA0	36970.-
3VA12	NA	250	3VA1225-1AA32-0AA0	27730.-	3VA1225-1AA42-0AA0	36970.-
3VA13	NA	400	3VA1340-1AA32-0AA0	35770.-	3VA1340-1AA42-0AA0	46505.-

NA - Not Applicable

## Earth fault and Earth leakage protection for SETRON 3VA moulded case circuit breaker

### Earth fault monitoring relay

Description	Type	Unit LP* ₹	
Earth fault monitoring relay	7UG0861-1BU20	5375.-	
CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A	3P	7UG09910	1855.-
	4P	7UG09911	2115.-
CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A	3P	7UG09912	2240.-
	4P	7UG09913	2640.-
CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A	3P	7UG09914	3300.-
	4P	7UG09915	3570.-



### Earth leakage monitoring relay

Description	Type	Unit LP* ₹	
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG0841-1CB20	5200.-
	230VAC	7UG0842-1CD20	5250.-
CBCT for ELR	35 mm dia	7UG0996	1895.-
	70 mm dia	7UG0997	2160.-
	120 mm dia	7UG0999	3680.-
	210 mm dia	7UG0994	7085.-
	310 mm dia	7UG0995	10555.-



Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay / earth leakage relay



MCCB with O/L & S/C protection

+



Shunt release

+



Ext. Earth fault / Ext. Earth Leakage Relay & CBCT

=



MCCB with O/L, S/C & E/F protection with O/L, S/C & Earth Leakage protection

## Condition monitoring with the 3VA moulded case circuit breaker. As simple as that.

[www.siemens.co.in](http://www.siemens.co.in)

Thanks to optimally scheduled maintenance times, you can prevent equipment and plant failures due to uncoordinated maintenance of individual devices and optimize the health of your entire plant.



Predictive maintenance



Improved organization of personnel and material costs



Optimized energy availability



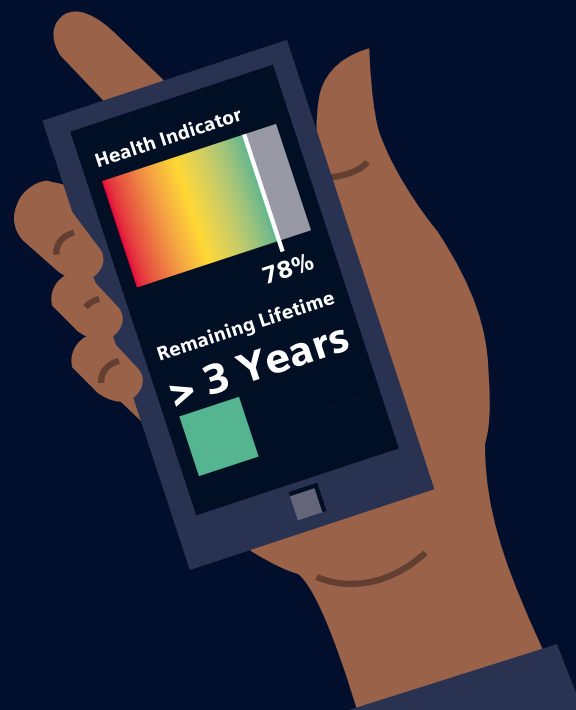
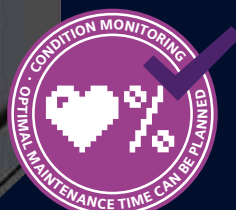
Reduced time and costs for maintenance



### When time savings go hand in hand with optimized plant reliability



With condition monitoring directly on the 3VA and remotely on the end device, you get reliable information about the health of your system and the remaining service life of your circuit breaker.





SENTRON 3VA - Flying on the wings of technology

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole		
			Type	Unit LP* ₹	Type	Unit LP* ₹	
3VA20	36kA	25	3VA2025-4HL32-0AA0	28875.-	3VA2025-4HL42-0AA0	37225.-	
		40	3VA2040-4HL32-0AA0	28875.-	3VA2040-4HL42-0AA0	37225.-	
		63	3VA2063-4HL32-0AA0	28875.-	3VA2063-4HL42-0AA0	37225.-	
		100	3VA2010-4HL32-0AA0	28875.-	3VA2010-4HL42-0AA0	37225.-	
		160	3VA2116-4HL32-0AA0	39035.-	3VA2116-4HL42-0AA0	54480.-	
		250	3VA2225-4HL32-0AA0	53570.-	3VA2225-4HL42-0AA0	72640.-	
3VA21	36kA	400	3VA2340-4HL32-0AA0	71575.-	3VA2340-4HL42-0AA0	94210.-	
3VA22		630	3VA2463-4HL32-0AA0	74415.-	3VA2463-4HL42-0AA0	98605.-	
3VA23		25	3VA2025-5HL32-0AA0	36720.-	3VA2025-5HL42-0AA0	50300.-	
3VA24		40	3VA2040-5HL32-0AA0	36720.-	3VA2040-5HL42-0AA0	50300.-	
3VA20		55kA	63	3VA2063-5HL32-0AA0	36720.-	3VA2063-5HL42-0AA0	50300.-
			100	3VA2010-5HL32-0AA0	36720.-	3VA2010-5HL42-0AA0	50300.-
	160		3VA2116-5HL32-0AA0	46540.-	3VA2116-5HL42-0AA0	60270.-	
	250		3VA2225-5HL32-0AA0	60810.-	3VA2225-5HL42-0AA0	80285.-	
	400		3VA2340-5HL32-0AA0	77175.-	3VA2340-5HL42-0AA0	101140.-	
	630		3VA2463-5HL32-0AA0	94800.-	3VA2463-5HL42-0AA0	105870.-	
3VA25	55kA	800	3VA2580-5HL32-0AA0	138615.-	3VA2580-5HL42-0AA0	177320.-	
3VA26 <b>NEW</b>		1000	3VA2510-5HL32-0AA0	183675.-	3VA2510-5HL42-0AA0	245210.-	
		1250	3VA2612-5HL32-0AA0	260410.-	3VA2612-5HL42-0AA0	347730.-	
3VA20		85kA	25	3VA2025-6HL32-0AA0	48000.-	3VA2025-6HL42-0AA0	59470.-
			40	3VA2040-6HL32-0AA0	48000.-	3VA2040-6HL42-0AA0	59470.-
			63	3VA2063-6HL32-0AA0	48000.-	3VA2063-6HL42-0AA0	59470.-
	100		3VA2010-6HL32-0AA0	48000.-	3VA2010-6HL42-0AA0	59470.-	
	160		3VA2116-6HL32-0AA0	62940.-	3VA2116-6HL42-0AA0	80350.-	
	250		3VA2225-6HL32-0AA0	69900.-	3VA2225-6HL42-0AA0	101800.-	
3VA21	85kA	400	3VA2340-6HL32-0AA0	87720.-	3VA2340-6HL42-0AA0	115185.-	
3VA22		630	3VA2463-6HL32-0AA0	104790.-	3VA2463-6HL42-0AA0	139825.-	
3VA23		800	3VA2580-6HL32-0AA0	152400.-	3VA2580-6HL42-0AA0	202720.-	
3VA24		1000	3VA2510-6HL32-0AA0	210050.-	3VA2510-6HL42-0AA0	280385.-	
3VA25		1250	3VA2612-6HL32-0AA0	297610.-	3VA2612-6HL42-0AA0	398365.-	
3VA26 <b>NEW</b>		1250	3VA2612-6HL32-0AA0	297610.-	3VA2612-6HL42-0AA0	398365.-	

SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU330 LIG, Ics = 100% Icu, 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole		
			Type	Unit LP* ₹	Type	Unit LP* ₹	
3VA20	36kA	25	3VA2025-4HM32-0AA0	39770.-	3VA2025-4HM42-0AA0	49025.-	
		40	3VA2040-4HM32-0AA0	39770.-	3VA2040-4HM42-0AA0	49025.-	
		63	3VA2063-4HM32-0AA0	39770.-	3VA2063-4HM42-0AA0	49025.-	
		100	3VA2010-4HM32-0AA0	39770.-	3VA2010-4HM42-0AA0	49025.-	
		160	3VA2116-4HM32-0AA0	50300.-	3VA2116-4HM42-0AA0	62645.-	
		250	3VA2225-4HM32-0AA0	63565.-	3VA2225-4HM42-0AA0	79900.-	
3VA21	36kA	400	3VA2340-4HM32-0AA0	85490.-	3VA2340-4HM42-0AA0	107835.-	
3VA22		630	3VA2463-4HM32-0AA0	94045.-	3VA2463-4HM42-0AA0	118600.-	
3VA23		25	3VA2025-5HM32-0AA0	45330.-	3VA2025-5HM42-0AA0	51940.-	
3VA24		40	3VA2040-5HM32-0AA0	45330.-	3VA2040-5HM42-0AA0	51940.-	
3VA20		55kA	63	3VA2063-5HM32-0AA0	45330.-	3VA2063-5HM42-0AA0	51940.-
			100	3VA2010-5HM32-0AA0	46265.-	3VA2010-5HM42-0AA0	54290.-
	160		3VA2116-5HM32-0AA0	62330.-	3VA2116-5HM42-0AA0	74795.-	
	250		3VA2225-5HM32-0AA0	76015.-	3VA2225-5HM42-0AA0	94865.-	
	400		3VA2340-5HM32-0AA0	91785.-	3VA2340-5HM42-0AA0	115775.-	
	630		3VA2463-5HM32-0AA0	100980.-	3VA2463-5HM42-0AA0	127335.-	
3VA25	55kA	800	3VA2580-5HM32-0AA0	146540.-	3VA2580-5HM42-0AA0	190510.-	
3VA26 <b>NEW</b>		1000	3VA2510-5HM32-0AA0	196860.-	3VA2510-5HM42-0AA0	258405.-	
		1250	3VA2612-5HM32-0AA0	275395.-	3VA2612-5HM42-0AA0	363750.-	
3VA20		85kA	25	3VA2025-6HM32-0AA0	56600.-	3VA2025-6HM42-0AA0	68835.-
			40	3VA2040-6HM32-0AA0	56600.-	3VA2040-6HM42-0AA0	68835.-
			63	3VA2063-6HM32-0AA0	56600.-	3VA2063-6HM42-0AA0	68835.-
	100		3VA2010-6HM32-0AA0	56600.-	3VA2010-6HM42-0AA0	68835.-	
	160		3VA2116-6HM32-0AA0	72110.-	3VA2116-6HM42-0AA0	90515.-	
	250		3VA2225-6HM32-0AA0	84455.-	3VA2225-6HM42-0AA0	118490.-	
3VA21	85kA	400	3VA2340-6HM32-0AA0	102330.-	3VA2340-6HM42-0AA0	129795.-	
3VA22		630	3VA2463-6HM32-0AA0	112560.-	3VA2463-6HM42-0AA0	142790.-	
3VA23		800	3VA2580-6HM32-0AA0	165110.-	3VA2580-6HM42-0AA0	215910.-	
3VA24		1000	3VA2510-6HM32-0AA0	222750.-	3VA2510-6HM42-0AA0	293570.-	
3VA25		1250	3VA2612-6HM32-0AA0	313110.-	3VA2612-6HM42-0AA0	414380.-	
		1250	3VA2612-6HM32-0AA0	313110.-	3VA2612-6HM42-0AA0	414380.-	

Std. Pkg. = 1 unit

\* LP - List Price

# SENTRON 3VA - Accessories

Frame	3VA1 100A/ 160A/ 250A/ 400A/ 630A/ 800A/ 1000A	Unit LP* ₹	3VA2 100A / 160A / 250A 3VA2 400A/630A/800A/1000A/1250A	Unit LP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA99880AA12 (1 C/O)	2190.-	3VA99880AA12 (1 C/O)	2190.-
Alarm switch (TAS)	3VA99880AB12 (1 C/O)	3380.-	3VA99880AB12 (1 C/O)	3380.-
Short-circuit Alarm switch (SAS) for 3VA1 Only	3VA99880AB32 (for 3VA10/ 11 100A/ 160A) 3VA99880AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A)	1805.- 1805.-	-	-
Electrical alarm switches (EAS) for 3VA2 Only	-	-	3VA99880AB22	1805.-
Under voltage release (UVR)				
120-127 V AC 50/60 Hz	3VA99080BB24	5175.-	3VA99080BB24	5175.-
208-230 V AC 50/60 Hz	3VA99080BB25	5175.-	3VA99080BB25	5175.-
380-400 V AC 50/60 Hz	3VA99080BB26	5175.-	3VA99080BB26	5175.-
Shunt release flexible (STF)				
110-127 V AC 50/60 Hz	3VA99880BA22	3900.-	3VA99880BA22	3900.-
208-277 V AC 50/60 Hz	3VA99880BA23	3900.-	3VA99880BA23	3900.-
380-500 V AC 50/60 Hz	3VA99880BA24	3900.-	3VA99880BA24	3900.-
Shunt release left (STL)				
110-127 V AC 50/60 Hz	3VA99880BL32	3900.-	3VA99880BL32	3900.-
208-277 V AC 50/60 Hz	3VA99880BL33	3900.-	3VA99880BL33	3900.-
380-500 V AC 50/60 Hz	3VA99880BL20	3900.-	3VA99880BL20	3900.-
Extended Door Mounted Rotary Operator (including 8UC handle)	3VA9157-0FK51 (for 3VA10/ 11 100A/160A) 3VA9257-0FK51 (for 3VA12 250A) 3VA9467-0FK51 (for 3VA13/ 14 400/ 630A)	2805.- 2950.- 4625.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)	2950.- 4625.-
Extended Door Mounted Rotary Operator ^	3VA9687-0FK21 (for 3VA15 800/ 1000A)	11185.-	3VA9687-0FK21 (for 3VA25/26 800A/1000A/1250A)	11185.-
Illuminated - Door mounted rotary operator 24V DC	3VA9157-0FK23 (for 3VA10/ 11 100A/160A) 3VA9257-0FK23 (for 3VA12 250A) 3VA9467-0FK23 (for 3VA13/ 14 400A/ 630A) 3VA9687-0FK23 (for 3VA15 800A/1000A)	6675.- 7340.- 9330.- 13260.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A) 3VA9687-0FK23 (for 3VA25/26 800A/1000A/1250A)	7340.- 9330.- 13260.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. (for 3VA10/ 11/ 12/ 13/ 14)	5590.-	8UC60701YQ.. (for 3VA20/ 21/ 22/ 23/ 24)	5590.-
Sliding Bar Interlock (for same size breakers with Toggle Lever)	3VA91580VF30 (for 3VA10/ 11 100A/160A) 3VA92580VF30 (for 3VA12 250A) 3VA93680VF30 (for 3VA13/ 14 400A/ 630A)	6675.- 6930.- 7825.-	3VA91680VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA93680VF30 (for 3VA23/ 24 400A/ 630A)	7340.- 7825.-
Locking device for breaker with Toggle lever	3VA90880LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A) 3VA93880LB10 (for 3VA13/ 14 400A/ 630A) 3VA95880LB10 (3VA15 800/ 1000A)	2040.- 2685.- 5795.-	3VA93880LB10 (for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A) 3VA95880LB10 (3VA25/26 800/ 1000/ 1250A)	2685.- 5795.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA91570HA20 (for 3VA11 160A) 3VA92570HA20 (for 3VA12 250A) 3VA94670HA20 (for 3VA13/ 14 400A/ 630A)	22410.- 29235.- 34625.-	3VA92670HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94670HA20 (for 3VA23/ 24 400A/ 630A)	29325.- 34625.-
Spreader links - Broadened (with phase barriers)	3VA91530QC50 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA91540QC50 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA92530QC50 (for 3pole, 3VA12 250A) 3VA92540QC50 (for 4pole, 3VA12 250A) 3VA94830QC50 (for 3pole 3VA13/ 14 400A/ 630A) 3VA94840QC50 (for 4pole 3VA13/ 14 400A/ 630A)	1155.- 1480.- 1445.- 1920.- 1940.- 2510.-	3VA92630QC50 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA92640QC50 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94830QC50 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA94840QC50 (for 4pole, 3VA23/ 24 400A/ 630A)	1560.- 2040.- 1940.- 2510.-
Busbar extensions (with phase barriers)	3VA96030QB00 (for 3pole, 3VA15 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA15 800A/ 1000A)	6150.- 8215.-	3VA96030QB00 (for 3pole, 3VA25 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA25 800A/ 1000A)	6150.- 8215.-
Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)	3VA91130QE00 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA91140QE00 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA92130QE00 (for 3pole, 3VA12 250A) 3VA92140QE00 (for 4pole, 3VA12 250A) 3VA94030QE00 (for 3pole, 3VA13/ 14 400A/ 630A) 3VA94040QE00 (for 4pole, 3VA13/ 14 400A/ 630A)	2290.- 3095.- 2925.- 3920.- 4750.- 6335.-	3VA92030QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA92040QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94030QE00 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA94040QE00 (for 4pole, 3VA23/ 24 400A/ 630A)	2925.- 3920.- 4750.- 6335.-
Phase Barriers (1 set = 2 phase barriers)	3VA91520WA00 (for 3VA10/ 11 100A/ 160A) 3VA92520WA00 (for 3VA12 250A) 3VA94820WA00 (for 3VA13/ 14 400A/ 630A) 3VA96020WA00 (for 3VA15 800A/ 1000A)	435.- 435.- 1025.- 1030.-	3VA92620WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94820WA00 (for 3VA23/ 24 400A/ 630A) 3VA96020WA00 (for 3VA25/26 800A/1000A/1250A)	435.- 1025.- 1030.-
3VA Adapter for mounting on 8US 60mm busbar system	8US1213-4AU01 (for 3pole, 3VA10/ 11) 8US1213-4AP03 (for 3-pole, 3VA12) 8US1213-4AH04 (for 3pole, 3VA13/ 14)	Price on request	8US1213-4AP03 (for 3VA20/ 21/ 22) 8US1213-4AH04 (for 3VA23/ 24)	Price on request

**Notes:**  
 # The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

For higher breaking capacities (110kA and 150kA) and other special application MCCB, contact our nearest Sales Office.

For side mounted handles please contact our nearest Sales Office.

\* 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole; and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

1) Door mounted rotary handles are not available for 1pole/ 2pole 3VA1 MCCBs

^ 3VA2 800A/1000A/1250A, extended rotary operator imported version (with 8UD handles)

Standard packing of 3VA26 1250A MCCB includes spreaders & phase barriers

Std. Pkg. = 1 unit

\* LP - List Price



Circuit Breakers

## SENTRON 3VA27 moulded case circuit breakers



- Line, motor, starter protection and non-automatic circuit breaker
- Rated currents 800A to 1600A (3pole/ 4pole)
- Fixed & Draw-out variants
- Toggle lever or Stored-energy Operator (factory fitted)
- Interchangeable ETU LI/ LSI/ LSIIG protection
- Short-circuit breaking capacity 55kA to 110 kA @ 415 V AC
- Communication via Modbus TCP, Modbus RTU, PROFIBUS & PROFINET
- Metering function according to IEC 61557-12

### SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU320 LI, Ics = 100% Icu, 415VAC, 50Hz <sup>§</sup> (Fixed mounted)

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA27	55kA	1250	3VA2712-5AB03-0AA0	278055.-	3VA2712-5AB13-0AA0	373980.-
		1600	3VA2716-5AB03-0AA0	384820.-	3VA2716-5AB13-0AA0	517860.-
	85kA	1250	3VA2712-6AB03-0AA0	305460.-	3VA2712-6AB13-0AA0	411085.-
		1600	3VA2716-6AB03-0AA0	422505.-	3VA2716-6AB13-0AA0	569240.-

### SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU360 LSIIG, Ics = 100% Icu, 415VAC, 50Hz <sup>§</sup> (Fixed mounted)

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA27	55kA	1250	3VA2712-5AD03-0AA0	300895.-	3VA2712-5AD13-0AA0	396240.-
		1600	3VA2716-5AD03-0AA0	407090.-	3VA2716-5AD13-0AA0	540120.-
	85kA	1250	3VA2712-6AD03-0AA0	327725.-	3VA2712-6AD13-0AA0	433925.-
		1600	3VA2716-6AD03-0AA0	444775.-	3VA2716-6AD13-0AA0	593790.-

## Accessories for 3VA27

	Description	Type	Unit LP* ₹	Std. pkg. (nos.)
	Auxiliary switch (AUX)	3VW9011-0AG01	5050.-	1
	Alarm switch (TAS)	3VW9011-0AH14	2495.-	1
	Shunt release (ST)			
	110-120 V AC 50/60 HZ 220-240 V AC 50/60 HZ	3VW9011-0AD05 3VW9011-0AD07	11620.-	1
	Under voltage release (UVR)			
	110-120 V AC 50/60 Hz 220-240 V AC 50/60 Hz 415-440 V AC 50/60 Hz	3VW9011-0AE05 3VW9011-0AE07 3VW9011-0AE18	12580.-	1
	Extended Door Mounted Rotary Operator <sup>^</sup> (Standard - Gray)	3VW9727-0FK21	11185.-	1

<sup>§</sup> Toggle lever variants <sup>^</sup>3VA27 extended door mounted rotary operator (imported) with 8UD handles

All MCCBs are suitable for Front Terminals connection only.

Accessories can also be offered in factory fitted options

Please get in touch with nearest sales office for more Auxiliary combinations & choice of accessories

Std. Pkg. = 1 unit \* LP - List Price





# SIMARIS software tools

## SIMARIS suite: Easy access to SIMARIS planning tools

Integrated and Safe planning of complete power  
distribution system

### SIMARIS design

Power distribution network planning

- From medium-voltage in-feed down to final distribution
- Based on calculations as per IS/ IEC standards
- With automatic selection of appropriate switchgear & components

### SIMARIS curves

Visualization & evaluation of:

- Tripping characteristics
- Cut-off current characteristics
- Let-through energy curves

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SIMARIS Suite



SIMARIS design 10.0



SIMARIS curves 6.2



SIMARIS project 6.3



SIMARIS Online  
Toolbox

**SIEMENS**





# 3VM moulded case circuit breaker

Efficient. Powerful.

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**SIEMENS**

# MCCB: SENTRON 3VM

- Rated current: 16A to 630A
- 1 pole, 2 pole, 3 pole & 4 pole versions
- Breaking capacity: 16kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM, AM, FM)
- Switch disconnectors
- Common Internal accessories for the entire range
- Knowledge Manager (QR Code)



## SENTRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit MRP <sup>®</sup> ₹	4 Pole Type	Unit MRP <sup>®</sup> ₹
3VM10	16kA	16	3VM10962ED320AA0	8595.-	3VM10962ED420AA0	11140.-
		20	3VM10202ED320AA0	8595.-	3VM10202ED420AA0	11140.-
		25	3VM10252ED320AA0	8595.-	3VM10252ED420AA0	11140.-
		32	3VM10322ED320AA0	8595.-	3VM10322ED420AA0	11140.-
		40	3VM10402ED320AA0	8595.-	3VM10402ED420AA0	11140.-
		50	3VM10502ED320AA0	8595.-	3VM10502ED420AA0	11140.-
		63	3VM10632ED320AA0	8595.-	3VM10632ED420AA0	11140.-
		80	3VM10802ED320AA0	9395.-	3VM10802ED420AA0	12200.-
3VM10	25kA	100	3VM10102ED320AA0	10195.-	3VM10102ED420AA0	13280.-
		16	3VM10963ED320AA0	8910.-	3VM10963ED420AA0	11630.-
		20	3VM10203ED320AA0	8910.-	3VM10203ED420AA0	11630.-
		25	3VM10253ED320AA0	8910.-	3VM10253ED420AA0	11630.-
		32	3VM10323ED320AA0	8910.-	3VM10323ED420AA0	11630.-
		40	3VM10403ED320AA0	8910.-	3VM10403ED420AA0	11630.-
		50	3VM10503ED320AA0	8910.-	3VM10503ED420AA0	11630.-
		63	3VM10633ED320AA0	8910.-	3VM10633ED420AA0	11630.-
3VM11		80	3VM10803ED320AA0	9700.-	3VM10803ED420AA0	12615.-
		100	3VM10103ED320AA0	10415.-	3VM10103ED420AA0	13555.-
		125	3VM11123ED320AA0	13350.-	3VM11123ED420AA0	17625.-
		160	3VM11163ED320AA0	17415.-	3VM11163ED420AA0	22050.-

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	36kA	16	3VM11964ED320AA0	9400.-	3VM11964GD420AA0	13015.-
		20	3VM11204ED320AA0	9400.-	3VM11204GD420AA0	13015.-
		25	3VM11254ED320AA0	9400.-	3VM11254GD420AA0	13015.-
		32	3VM11324ED320AA0	9400.-	3VM11324GD420AA0	13015.-
		40	3VM11404ED320AA0	9400.-	3VM11404GD420AA0	13015.-
		50	3VM11504ED320AA0	9400.-	3VM11504GD420AA0	13015.-
		63	3VM11634ED320AA0	9400.-	3VM11634GD420AA0	13015.-
		80	3VM11804ED320AA0	9870.-	3VM11804GD420AA0	14270.-
		100	3VM11104ED320AA0	11455.-	3VM11104GD420AA0	16490.-
		125	3VM11124ED320AA0	20110.-	3VM11124GD420AA0	26140.-
3VM12		160	3VM11164ED320AA0	22215.-	3VM11164GD420AA0	28885.-
		200	3VM12204ED320AA0	23865.-	3VM12204GD420AA0	29540.-
3VM13		250	3VM12254ED320AA0	31830.-	3VM12254GD420AA0	37505.-
		320	3VM13324ED320AA0	43180.-	3VM13324GD420AA0	53395.-
3VM14		400	3VM13404ED320AA0	44320.-	3VM13404GD420AA0	54535.-
		500	3VM14504ED320AA0	48755.-	3VM14504GD420AA0	58975.-
		630	3VM14634ED320AA0	48755.-	3VM14634GD420AA0	58975.-

^ 3VM11 TMTU up to 160A

AM: Adjustable Magnetic

FM: Fixed Magnetic

Std. Pkg. = 1 unit

\* LP - List Price

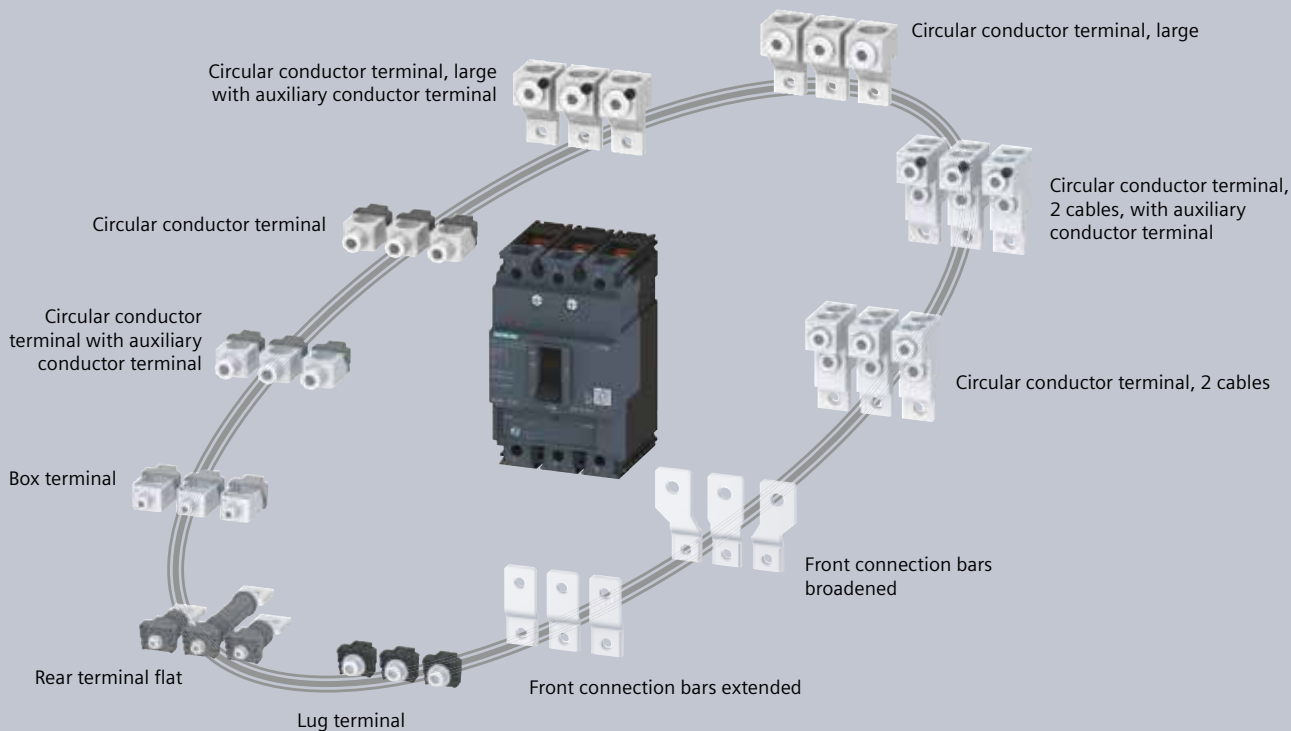
® MRP - Max. Retail Price

SETRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz (Contd.)

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	55kA	16	3VM11965ED320AA0	10805.-	3VM11965GD420AA0	14020.-
		20	3VM11205ED320AA0	10805.-	3VM11205GD420AA0	14020.-
		25	3VM11255ED320AA0	10805.-	3VM11255GD420AA0	14020.-
		32	3VM11325ED320AA0	10805.-	3VM11325GD420AA0	14020.-
		40	3VM11405ED320AA0	10805.-	3VM11405GD420AA0	14020.-
		50	3VM11505ED320AA0	10805.-	3VM11505GD420AA0	14020.-
		63	3VM11635ED320AA0	10805.-	3VM11635GD420AA0	14020.-
		80	3VM11805ED320AA0	11840.-	3VM11805GD420AA0	15390.-
		100	3VM11105ED320AA0	13715.-	3VM11105GD420AA0	17800.-
		125	3VM11125ED320AA0	22100.-	3VM11125GD420AA0	28730.-
		160	3VM11165ED320AA0	24415.-	3VM11165GD420AA0	31770.-
3VM12		200	3VM12205ED320AA0	26410.-	3VM12205GD420AA0	33465.-
		250	3VM12255ED320AA0	34375.-	3VM12255GD420AA0	41435.-
3VM13		320	3VM13325ED320AA0	46825.-	3VM13325GD420AA0	56210.-
		400	3VM13405ED320AA0	47975.-	3VM13405GD420AA0	57355.-
3VM14		500	3VM14505ED320AA0	52400.-	3VM14505GD420AA0	61780.-
		630	3VM14635ED320AA0	52400.-	3VM14635GD420AA0	61780.-

Circuit Breakers

## An extensive portfolio of connection components....



..to meet ALL installation requirements.

Std. Pkg. = 1 unit

\* LP - List Price

SENTRON 3VM, Thermal Magnetic Trip Unit, Adj. Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	25kA	16	3VM11963EE320AA0	10580.-	3VM11963GE420AA0	15950.-
		20	3VM11203EE320AA0	10580.-	3VM11203GE420AA0	15950.-
		25	3VM11253EE320AA0	10580.-	3VM11253GE420AA0	15950.-
		32	3VM11323EE320AA0	10580.-	3VM11323GE420AA0	15950.-
		40	3VM11403EE320AA0	10580.-	3VM11403GE420AA0	15950.-
		50	3VM11503EE320AA0	10580.-	3VM11503GE420AA0	15950.-
		63	3VM11633EE320AA0	10580.-	3VM11633GE420AA0	15950.-
		80	3VM11803EE320AA0	10580.-	3VM11803GE420AA0	15950.-
		100	3VM11103EE320AA0	10580.-	3VM11103GE420AA0	15950.-
		125	3VM11123EE320AA0	13660.-	3VM11123GE420AA0	18685.-
		160	3VM11163EE320AA0	18790.-	3VM11163GE420AA0	23920.-
3VM11	36kA	16	3VM11964EE320AA0	13685.-	3VM11964GE420AA0	17915.-
		20	3VM11204EE320AA0	13685.-	3VM11204GE420AA0	17915.-
		25	3VM11254EE320AA0	13685.-	3VM11254GE420AA0	17915.-
		32	3VM11324EE320AA0	13685.-	3VM11324GE420AA0	17915.-
		40	3VM11404EE320AA0	13685.-	3VM11404GE420AA0	17915.-
		50	3VM11504EE320AA0	13685.-	3VM11504GE420AA0	17915.-
		63	3VM11634EE320AA0	13685.-	3VM11634GE420AA0	17915.-
		80	3VM11804EE320AA0	13685.-	3VM11804GE420AA0	17915.-
		100	3VM11104EE320AA0	13685.-	3VM11104GE420AA0	17915.-
		125	3VM11124EE320AA0	21065.-	3VM11124GE420AA0	26825.-
		160	3VM11164EE320AA0	22825.-	3VM11164GE420AA0	29630.-
3VM12		200	3VM12204EE320AA0	33015.-	3VM12204GE420AA0	38525.-
250		3VM12254EE320AA0	33015.-	3VM12254GE420AA0	38525.-	
3VM13		320	3VM13324EE320AA0	44195.-	3VM13324GE420AA0	54110.-
400		3VM13404EE320AA0	44605.-	3VM13404GE420AA0	54110.-	
3VM14		500	3VM14504EE320AA0	50485.-	3VM14504GE420AA0	60395.-
630		3VM14634EE320AA0	50485.-	3VM14634GE420AA0	60395.-	
3VM11	55kA	16	3VM11965EE320AA0	15595.-	3VM11965GE420AA0	19705.-
		20	3VM11205EE320AA0	15595.-	3VM11205GE420AA0	19705.-
		25	3VM11255EE320AA0	15595.-	3VM11255GE420AA0	19705.-
		32	3VM11325EE320AA0	15595.-	3VM11325GE420AA0	19705.-
		40	3VM11405EE320AA0	15595.-	3VM11405GE420AA0	19705.-
		50	3VM11505EE320AA0	15595.-	3VM11505GE420AA0	19705.-
		63	3VM11635EE320AA0	15595.-	3VM11635GE420AA0	19705.-
		80	3VM11805EE320AA0	15595.-	3VM11805GE420AA0	19705.-
		100	3VM11105EE320AA0	15595.-	3VM11105GE420AA0	19705.-
		125	3VM11125EE320AA0	24485.-	3VM11125GE420AA0	29410.-
		160	3VM11165EE320AA0	25105.-	3VM11165GE420AA0	32395.-
3VM12		200	3VM12205EE320AA0	35480.-	3VM12205GE420AA0	42330.-
250		3VM12255EE320AA0	35480.-	3VM12255GE420AA0	42330.-	
3VM13		320	3VM13325EE320AA0	47735.-	3VM13325GE420AA0	56835.-
400		3VM13405EE320AA0	48180.-	3VM13405GE420AA0	56835.-	
3VM14		500	3VM14505EE320AA0	54015.-	3VM14505GE420AA0	63120.-
630		3VM14635EE320AA0	54015.-	3VM14635GE420AA0	63120.-	

Circuit Breakers

Std. Pkg. = 1 unit

\* LP - List Price



SETRON 3VM, Motor Starter Protection, 3pole, Adjustable Magnetic (AM) trip unit

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)	Unit LP* ₹
3VM11	8 <sup>1)</sup>	3VM11085MG320AA0	13585.-
	12.5 <sup>1)</sup>	3VM11925MG320AA0	13585.-
	20	3VM11205MH320AA0	13585.-
	32	3VM11325MH320AA0	16225.-
	40	3VM11405MH320AA0	16225.-
	50	3VM11505MH320AA0	16225.-
	63	3VM11635MH320AA0	16225.-
	80	3VM11805MH320AA0	16225.-
	100	3VM11105MH320AA0	16225.-
	125	3VM11125MH320AA0	24155.-
3VM12	160	3VM12165MH320AA0	24155.-
	200	3VM12205MH320AA0	36645.-
3VM13	250	3VM13255MH320AA0	36645.-
	320	3VM13325MH320AA0	52510.-
3VM14	400	3VM14405MH320AA0	52510.-
	500	3VM14505MH320AA0	58200.-



SETRON 3VM, Switch Disconnecter (without protection)

Frame Size	Rated Current In (A)	3pole Type	Unit LP* ₹	4pole Type	Unit LP* ₹
3VM11	63	3VM11631AA320AA0	10135.-	3VM11631AA420AA0	14975.-
	100	3VM11101AA320AA0	10135.-	3VM11101AA420AA0	14975.-
	125	3VM11121AA320AA0	14785.-	3VM11121AA420AA0	18615.-
	160	3VM11161AA320AA0	14785.-	3VM11161AA420AA0	18615.-
3VM12	250	3VM12251AA320AA0	24615.-	3VM12251AA420AA0	32825.-
3VM13	400	3VM13401AA320AA0	31755.-	3VM13401AA420AA0	41290.-

<sup>1)</sup> Fixed magnetic

## 3VM Plug in Portfolio

16A-630A, 3P & 4P



3VM MCCB



Plug in kit

### Plug in technology



Easy to handle



Quick Replacement



Safe Installation

Available as complete kit and/or conversion kit. Kindly contact nearest Sales office for further information.

SENTRON 3VM, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM)

Frame Size	Breaking Capacity	Rated Current In (A)	1 Pole Type	Unit LP* ₹	2 Pole Type	Unit LP* ₹
3VM11	25kA <sup>1)</sup>	16	3VM11963ED120AA0	3955.-	3VM11963ED220AA0	7090.-
		20	3VM11203ED120AA0	3955.-	3VM11203ED220AA0	7090.-
		25	3VM11253ED120AA0	3955.-	3VM11253ED220AA0	7090.-
		32	3VM11323ED120AA0	3955.-	3VM11323ED220AA0	7090.-
		40	3VM11403ED120AA0	3955.-	3VM11403ED220AA0	7090.-
		50	3VM11503ED120AA0	3955.-	3VM11503ED220AA0	7090.-
		63	3VM11633ED120AA0	3955.-	3VM11633ED220AA0	7090.-
		80	3VM11803ED120AA0	4350.-	3VM11803ED220AA0	7770.-
		100	3VM11103ED120AA0	5020.-	3VM11103ED220AA0	9105.-
		125	3VM11123ED120AA0	8110.-	3VM11123ED220AA0	14730.-
3VM11	36kA <sup>1)</sup>	160	3VM11163ED120AA0	9445.-	3VM11163ED220AA0	17010.-
		16	3VM11964ED120AA0	4280.-	3VM11964ED220AA0	7770.-
		20	3VM11204ED120AA0	4280.-	3VM11204ED220AA0	7770.-
		25	3VM11254ED120AA0	4280.-	3VM11254ED220AA0	7770.-
		32	3VM11324ED120AA0	4280.-	3VM11324ED220AA0	7770.-
		40	3VM11404ED120AA0	4280.-	3VM11404ED220AA0	7770.-
		50	3VM11504ED120AA0	4280.-	3VM11504ED220AA0	7770.-
		63	3VM11634ED120AA0	4280.-	3VM11634ED220AA0	7770.-
		80	3VM11804ED120AA0	4755.-	3VM11804ED220AA0	8575.-
		100	3VM11104ED120AA0	5120.-	3VM11104ED220AA0	9910.-
125	3VM11124ED120AA0	8780.-	3VM11124ED220AA0	15795.-		
160	3VM11164ED120AA0	10240.-	3VM11164ED220AA0	18480.-		

<sup>1)</sup> 1pole : Icu 25kA/ 36kA @ 240VAC, 2pole : Icu 25kA/ 36kA @ 415VAC

Earth fault protection for SENTRON 3VM moulded case circuit breaker

Description	Type	Unit LP* ₹
Earth fault monitoring relay	7UG0861-1BU20	5375.-
CBCT for EFR: 160 frame Suitable for 3VM10/11	3P	7UG09910
	4P	7UG09911
CBCT for EFR: 250 frame Suitable for 3VM12	3P	7UG09912
	4P	7UG09913
CBCT for EFR: 630 frame Suitable for 3VM13/14	3P	7UG09914
	4P	7UG09915

Earth leakage protection for SENTRON 3VM moulded case circuit breaker

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG0841-1CB20
	230VAC	7UG0842-1CD20
CBCT for ELR	35 mm dia	7UG0996
	70 mm dia	7UG0997
	120 mm dia	7UG0999
	210 mm dia	7UG0994
	310 mm dia	7UG0995

Note: Order 1 no of shunt trip release for MCCB separately along with earth fault relay / earth leakage relay

Std. Pkg. = 1 unit

\* LP - List Price

Internal accessories for SENTRON 3VM10/11/12/13/14 100A-630A

MLFB	Description	Unit LP*₹
<b>Auxiliary Switches and Alarm Switches (1 C/O)</b>		
3VM9988-0AA12	Auxiliary Switch AUX (1 C/O)	1700.-
3VM9988-0AB12	Trip Alarm Switch TAS (1 C/O)	1700.-
<b>Undervoltage releases</b>		
3VM9908-0BB11	UVR 24V DC	3795.-
3VM9908-0BB12	UVR 48V DC	3795.-
3VM9908-0BB23	UVR 110 V AC 50/60HZ	3795.-
3VM9908-0BB25	UVR 208-230 V AC 50/60 HZ	3795.-
3VM9908-0BB26	UVR 380-400 V AC 50/60 HZ	3795.-
<b>Shunt release (Left)</b>		
3VM9908-0BL30	STL 24V AC 50/60Hz / 12-30V DC	3075.-
3VM9908-0BL31	STL 48-60V AC 50/60Hz/ DC	3075.-
3VM9908-0BL32	STL 110-127 V AC 50/60 HZ / DC	3075.-
3VM9908-0BL33	STL 208-277 V AC 50/60 HZ / 220-250 V DC	3075.-
3VM9908-0BL20	STL 380-600 V AC 50/60 HZ	3075.-

External Accessories:

MLFB	Description	Unit LP*₹
<b>Rotary Handles <sup>1)</sup></b>		
3VM9117-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM10/ 11	2080.-
3VM9217-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM12	2630.-
3VM9417-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM13/ 14	2840.-
3VM9117-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM10/ 11	2140.-
3VM9217-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM12	2810.-
3VM9417-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM13/ 14	3100.-
<b>Spreaders (incl. Phase barriers)</b>		
3VM9153-0QC50	Spreader links - Broadened, 3pole, 3VM10/ 11	1155.-
3VM9154-0QC50	Spreader links - Broadened, 4pole, 3VM10/ 11	1480.-
3VM9253-0QC50	Spreader links - Broadened, 3pole, 3VM12	1445.-
3VM9254-0QC50	Spreader links - Broadened, 4pole, 3VM12	1920.-
3VM9483-0QC50	Spreader links - Broadened, 3pole, 3VM13/ 14	1940.-
3VM9484-0QC50	Spreader links - Broadened, 4pole, 3VM13/ 14	2510.-
<b>Extended terminals (incl. Phase barriers)</b>		
3VM9253-0QB50	Extended terminals, 3pole, 3VM12	970.-
3VM9254-0QB50	Extended terminals, 4pole, 3VM12	1295.-
3VM9483-0QB50	Extended terminals, 3pole, 3VM13/ 14	1310.-
3VM9484-0QB50	Extended terminals, 4pole, 3VM13/ 14	1705.-
<b>Phase barriers</b>		
3VM9152-0WA00	Phase barriers (1set = 2 phase barriers), 3VM10/ 11	715.-
3VM9252-0WA00	Phase barriers (1set = 2 phase barriers), 3VM12	995.-
3VM9482-0WA00	Phase barriers (1set = 2 phase barriers), 3VM13/ 14	995.-
<b>Locking device for breaker with Toggle lever</b>		
3VM9188-0LB10	Locking device for: 3VM10/ 11/ 12	1895.-
3VM9388-0LB10	Locking device for: 3VM13/ 14	2490.-
<b>Interlocking (for MCCBs with 8UC handles)</b>		
8UC60701YQ.. #	Castell interlock kit for 3VM10/ 11/ 12/ 13/ 14	5590.-



Notes:

# The 11<sup>th</sup> and 12<sup>th</sup> place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11<sup>th</sup> place will be A, B, C, D for castell lock type A, B, C, D respectively. 11<sup>th</sup> and 12<sup>th</sup> place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

<sup>®</sup> 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole; and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

<sup>1)</sup> Rotary handles are not available for 1pole/ 2pole 3VM1 MCCBs

Std. Pkg. = 1 unit

\* LP - List Price

## 3VT2..3

### Main switching unit without Trip Unit (ETU)

To be ordered along with trip unit

Frame Size	Breaking capacity (Icu, 415V AC, 50Hz)	Rated current I <sub>n</sub> (A)	3 pole		4 pole		Std. pkg. (nos.)
			Type	Unit LP* ₹	Type	Unit LP* ₹	
3VT2	36 kA	250	3VT2725-2AA36-0AA0	12540.-	3VT2725-2AA46-0AA0	19490.-	1
3VT3		630	3VT3763-2AA36-0AA0	30625.-	3VT3763-2AA46-0AA0	43135.-	1
3VT2	65 kA	250	3VT2725-3AA36-0AA0	15655.-	3VT2725-3AA46-0AA0	24300.-	1
3VT3		630	3VT3763-3AA36-0AA0	35085.-	3VT3763-3AA46-0AA0	46575.-	1



### Microprocessor based Trip Unit (ETU)

To be ordered along with the MCCB Main switching unit

Trip unit for system protection ETU LP, LI function (Fixed Overload & Fixed Short Circuit, 3P / 4P)

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹	Std. pkg. (nos.)
3VT2	160	3VT9216-6AB00	11435.-	1
	200	3VT9220-6AB00	17150.-	1
	250	3VT9225-6AB00	27190.-	1
3VT3	315	3VT9331-6AB00	22890.-	1
	400	3VT9340-6AB00	24330.-	1
	630	3VT9363-6AB00	29915.-	1

Trip unit for Motor & Generator Protection ETU MP, LI function (Adj Overload & Adj Short Circuit Settings 3P / 4P)

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹	Std. pkg. (nos.)
3VT2	160	3VT9216-6AP00	14315.-	1
	250	3VT9225-6AP00	30050.-	1
3VT3	400	3VT9340-6AP00	30050.-	1
	630	3VT9363-6AP00	37215.-	1

Trip unit for system protection ETU DP, LI function (Adj Overload & Adj Short Circuit, 3P / 4P)<sup>s</sup>

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹	Std. pkg. (nos.)
3VT2	100	3VT9210-6AC00	10105.-	1
	160	3VT9216-6AC00	14170.-	1
	250	3VT9225-6AC00	29975.-	1
3VT3	400	3VT9340-6AC00	25900.-	1
	630	3VT9363-6AC00	34060.-	1

#### Benefits of interchangeable trip units

- Suitable for various applications
- Easy upgradation at site

## Accessories for 3VT2..3

Accessory		3VT2 Type	Unit LP* ₹	3VT3 Type	Unit LP* ₹
Auxiliary Switch		3VT9300-2AF10 (1NO+1NC)	3140.-	3VT9300-2AF10 (1NO+1NC)	3140.-
		3VT9300-2AC10 (1NO)	1580.-	3VT9300-2AC10 (1NO)	1580.-
Alarm Switch		3VT9300-2AD10 (1NC)	1580.-	3VT9300-2AD10 (1NC)	1580.-
Shunt Release	AC 230V/DC 220V	3VT9300-1SE00\$	3555.-	3VT9300-1SE00\$	3555.-
Under-voltage Release	AC 230V/DC 220V	3VT9300-1UE00\$	4305.-	3VT9300-1UE00\$	4305.-
Spreader Links*	3 pole (1 set = 3 links + 2 phase barriers)	3VT9200-4ED30-ORC1	1445.-	3VT9300-4ED30-ORC1	1940.-
	4 pole (1 set = 4 links + 3 phase barriers)	3VT9200-4ED40-ORC1	1920.-	3VT9300-4ED40-ORC1	2510.-
Panel door mounted rotary operating handles <sup>2</sup>	1 set **	3VT9200-3HQ00	2895.-	3VT9300-3HQ00	3120.-

Available till stocks last 3VT2..3 (Main Switching Unit + ETU) & accessories

\$ Also suitable for 400/500V AC

\*\* 1 set contains rotary mechanism, coupler, shaft and door drive

\* spreaders with higher phase-to-phase clearance



## MCCB: SENTRON 3VT4...5

- Rated current - 800A to 1600A
- Microprocessor based trip unit
- Adjustable settings
- Suitable for various applications
- Inbuilt extended terminals
- Higher clearances



### Main switching unit without Trip Unit (ETU)

To be ordered along with trip unit

### Microprocessor based Trip Unit (ETU)

To be ordered along with the MCCB Main switching unit



Trip unit for system protection ETU DP, LI function (Adj Overload & Adj Short Circuit)

Frame Size	Breaking capacity (Icu, 415V AC, 50Hz)	Rated current I <sub>n</sub> (A)	3 pole	
			Type	Unit LP* ₹
3VT4	65 kA	1000	3VT4710-3AA30-0AA0	58210.-
3VT5	55 kA	1600	3VT5716-3AA30-0AA0	87330.-

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹
3VT4	800	3VT9480-6AC00	28345.-
	1000	3VT9410-6AC00	89265.-
3VT5	1250	3VT9512-6AC00	96690.-
	1600	3VT9516-6AC00	163635.-

## Accessories for 3VT4...5

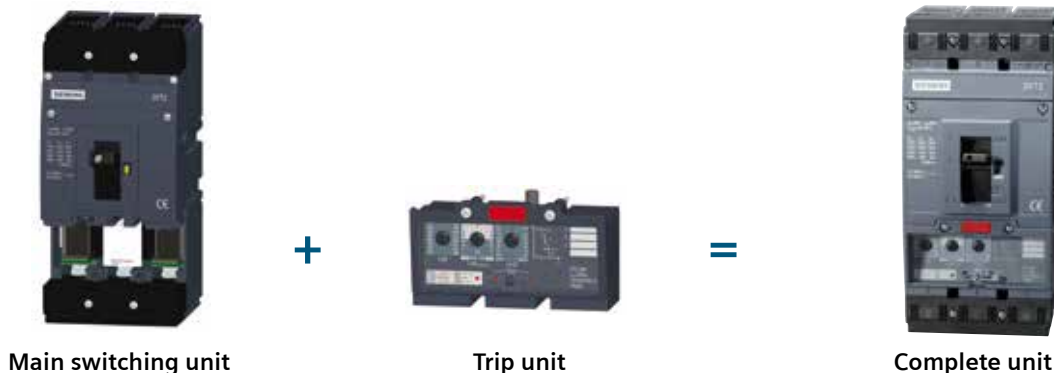
Accessory	3VT4/5 Type	Unit LP* ₹
Auxiliary Switch	3VT9500-2AF10 (2NO+2NC)	5210.-
Alarm Switch	3VT9500-2AF10 (2NO+2NC)	5210.-
Shunt Release AC 230V/ DC 220V	3VT9500-1SJ00	3925.-

Accessory	3VT4/5 Type	Unit LP* ₹
Under-voltage Release AC 230V/ DC 220V	3VT9500-1UJ00	4265.-
Panel door mounted rotary operating handles 1 set **	3VT9500-3HQ00	6630.-
Castell Interlock Kit <sup>1</sup> 1 set (1 lock + 1 key)	8UC60702YQ..	5740.-

\*\* 1 set contains rotary mechanism, coupler, shaft and door drive

<sup>1</sup> The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.

### Main switching unit + Trip unit





**SINOVA**

# 3VJ Moulded Case Circuit Breakers

**Simply Efficient**

- Rated current: 20A to 400A
- 1 pole, 2 pole, 3 pole & 4 pole versions
- Breaking capacity: 10kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM)
- Range of internal and external accessories

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

# 3VJ Moulded Case Circuit Breaker

NEW

3VJ10 MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	2 Pole Type	Unit MRP* ₹	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ10 (VJ1 125X)	10kA	20	3VJ1002-0DA22-0AA0	2765.-	3VJ1002-0DA32-0AA0	3425.-	3VJ1002-0EA42-0AA0	4910.-
		25	3VJ1092-0DA22-0AA0	2765.-	3VJ1092-0DA32-0AA0	3425.-	3VJ1092-0EA42-0AA0	4910.-
		32	3VJ1003-0DA22-0AA0	2765.-	3VJ1003-0DA32-0AA0	3425.-	3VJ1003-0EA42-0AA0	4910.-
		40	3VJ1004-0DA22-0AA0	2765.-	3VJ1004-0DA32-0AA0	3425.-	3VJ1004-0EA42-0AA0	4910.-
		50	3VJ1005-0DA22-0AA0	2765.-	3VJ1005-0DA32-0AA0	3425.-	3VJ1005-0EA42-0AA0	4910.-
		63	3VJ1006-0DA22-0AA0	2765.-	3VJ1006-0DA32-0AA0	3425.-	3VJ1006-0EA42-0AA0	4910.-
		80	3VJ1008-0DA22-0AA0	2765.-	3VJ1008-0DA32-0AA0	3425.-	3VJ1008-0EA42-0AA0	4910.-
		100	3VJ1010-0DA22-0AA0	2765.-	3VJ1010-0DA32-0AA0	3425.-	3VJ1010-0EA42-0AA0	4910.-
		125	3VJ1012-0DA22-0AA0	4265.-	3VJ1012-0DA32-0AA0	5135.-	3VJ1012-0EA42-0AA0	7370.-
	18kA	20	3VJ1002-1DA22-0AA0	3815.-	3VJ1002-1DA32-0AA0	5505.-	3VJ1002-1EA42-0AA0	7065.-
		25	3VJ1092-1DA22-0AA0	3815.-	3VJ1092-1DA32-0AA0	5505.-	3VJ1092-1EA42-0AA0	7065.-
		32	3VJ1003-1DA22-0AA0	3815.-	3VJ1003-1DA32-0AA0	5505.-	3VJ1003-1EA42-0AA0	7065.-
		40	3VJ1004-1DA22-0AA0	3815.-	3VJ1004-1DA32-0AA0	5505.-	3VJ1004-1EA42-0AA0	7065.-
		50	3VJ1005-1DA22-0AA0	3815.-	3VJ1005-1DA32-0AA0	5505.-	3VJ1005-1EA42-0AA0	7065.-
		63	3VJ1006-1DA22-0AA0	3815.-	3VJ1006-1DA32-0AA0	5505.-	3VJ1006-1EA42-0AA0	7065.-
		80	3VJ1008-1DA22-0AA0	3815.-	3VJ1008-1DA32-0AA0	5505.-	3VJ1008-1EA42-0AA0	7065.-
		100	3VJ1010-1DA22-0AA0	3815.-	3VJ1010-1DA32-0AA0	5505.-	3VJ1010-1EA42-0AA0	7065.-
		125	3VJ1012-1DA22-0AA0	4420.-	3VJ1012-1DA32-0AA0	6315.-	3VJ1012-1EA42-0AA0	8215.-
	25kA	20	3VJ1002-3DA22-0AA0	4580.-	3VJ1002-3DA32-0AA0	6010.-	3VJ1002-3EA42-0AA0	7965.-
		25	3VJ1092-3DA22-0AA0	4580.-	3VJ1092-3DA32-0AA0	6010.-	3VJ1092-3EA42-0AA0	7965.-
		32	3VJ1003-3DA22-0AA0	4580.-	3VJ1003-3DA32-0AA0	6010.-	3VJ1003-3EA42-0AA0	7965.-
		40	3VJ1004-3DA22-0AA0	4580.-	3VJ1004-3DA32-0AA0	6010.-	3VJ1004-3EA42-0AA0	7965.-
		50	3VJ1005-3DA22-0AA0	4580.-	3VJ1005-3DA32-0AA0	6010.-	3VJ1005-3EA42-0AA0	7965.-
		63	3VJ1006-3DA22-0AA0	4580.-	3VJ1006-3DA32-0AA0	6010.-	3VJ1006-3EA42-0AA0	7965.-
		80	3VJ1008-3DA22-0AA0	4580.-	3VJ1008-3DA32-0AA0	6010.-	3VJ1008-3EA42-0AA0	7965.-
		100	3VJ1010-3DA22-0AA0	4580.-	3VJ1010-3DA32-0AA0	6010.-	3VJ1010-3EA42-0AA0	7965.-
		125	3VJ1012-3DA22-0AA0	4580.-	3VJ1012-3DA32-0AA0	6865.-	3VJ1012-3EA42-0AA0	8760.-

Notes:

Phase barriers are included in the standard MCCB packing

^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



Circuit Breakers



3VJ MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), 415VAC, 50Hz

NEW

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	2 Pole Type	Unit MRP* ₹	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ12 (VJ1 250)	25kA	160	3VJ1216-3DA22-0AA0	9300.-	3VJ1216-3DA32-0AA0	10790.-	3VJ1216-3EA42-0AA0	14195.-
		200	3VJ1220-3DA22-0AA0	9405.-	3VJ1220-3DA32-0AA0	10955.-	3VJ1220-3EA42-0AA0	15580.-
		250	3VJ1225-3DA22-0AA0	9505.-	3VJ1225-3DA32-0AA0	12325.-	3VJ1225-3EA42-0AA0	16230.-
3VJ13 (VJ1 400)		320	-	-	3VJ1332-3DA32-0AA0	24420.-	3VJ1332-3EA42-0AA0	31445.-
		400	-	-	3VJ1340-3DA32-0AA0	24420.-	3VJ1340-3EA42-0AA0	31445.-
3VJ11 (VJ1 125)	36kA	25	3VJ1192-5DA22-0AA0	7045.-	3VJ1192-5DA32-0AA0	8385.-	3VJ1192-5EA42-0AA0	11080.-
		32	3VJ1103-5DA22-0AA0	7045.-	3VJ1103-5DA32-0AA0	8385.-	3VJ1103-5EA42-0AA0	11080.-
		40	3VJ1104-5DA22-0AA0	7045.-	3VJ1104-5DA32-0AA0	8385.-	3VJ1104-5EA42-0AA0	11080.-
		50	3VJ1105-5DA22-0AA0	7045.-	3VJ1105-5DA32-0AA0	8385.-	3VJ1105-5EA42-0AA0	11080.-
		63	3VJ1106-5DA22-0AA0	7045.-	3VJ1106-5DA32-0AA0	8385.-	3VJ1106-5EA42-0AA0	11080.-
		80	3VJ1108-5DA22-0AA0	7045.-	3VJ1108-5DA32-0AA0	8635.-	3VJ1108-5EA42-0AA0	11420.-
		100	3VJ1110-5DA22-0AA0	7045.-	3VJ1110-5DA32-0AA0	8635.-	3VJ1110-5EA42-0AA0	11420.-
3VJ12 (VJ1 250)		125	3VJ1112-5DA22-0AA0	7045.-	3VJ1112-5DA32-0AA0	9495.-	3VJ1112-5EA42-0AA0	12415.-
		160	3VJ1216-5DA22-0AA0	9815.-	3VJ1216-5DA32-0AA0	12080.-	3VJ1216-5EA42-0AA0	14690.-
		200	3VJ1220-5DA22-0AA0	10335.-	3VJ1220-5DA32-0AA0	14895.-	3VJ1220-5EA42-0AA0	19220.-
3VJ13 (VJ1 400)		250	3VJ1225-5DA22-0AA0	11665.-	3VJ1225-5DA32-0AA0	17120.-	3VJ1225-5EA42-0AA0	22030.-
		320	-	-	3VJ1332-5DA32-0AA0	25030.-	3VJ1332-5EA42-0AA0	32060.-
3VJ11 (VJ1 125)	55kA	400	-	-	3VJ1340-5DA32-0AA0	25030.-	3VJ1340-5EA42-0AA0	32060.-
		25	3VJ1192-7DA22-0AA0	7420.-	3VJ1192-7DA32-0AA0	10725.-	3VJ1192-7EA42-0AA0	14150.-
		32	3VJ1103-7DA22-0AA0	7420.-	3VJ1103-7DA32-0AA0	10725.-	3VJ1103-7EA42-0AA0	14150.-
		40	3VJ1104-7DA22-0AA0	7420.-	3VJ1104-7DA32-0AA0	10725.-	3VJ1104-7EA42-0AA0	14150.-
		50	3VJ1105-7DA22-0AA0	7420.-	3VJ1105-7DA32-0AA0	10725.-	3VJ1105-7EA42-0AA0	14150.-
		63	3VJ1106-7DA22-0AA0	7420.-	3VJ1106-7DA32-0AA0	10725.-	3VJ1106-7EA42-0AA0	14150.-
		80	3VJ1108-7DA22-0AA0	7420.-	3VJ1108-7DA32-0AA0	10725.-	3VJ1108-7EA42-0AA0	14150.-
		100	3VJ1110-7DA22-0AA0	7420.-	3VJ1110-7DA32-0AA0	10725.-	3VJ1110-7EA42-0AA0	14150.-
3VJ12 (VJ1 250)		125	3VJ1112-7DA22-0AA0	7420.-	3VJ1112-7DA32-0AA0	11805.-	3VJ1112-7EA42-0AA0	15565.-
		160	3VJ1216-7DA22-0AA0	10640.-	3VJ1216-7DA32-0AA0	14940.-	3VJ1216-7EA42-0AA0	19735.-
		200	3VJ1220-7DA22-0AA0	10850.-	3VJ1220-7DA32-0AA0	17180.-	3VJ1220-7EA42-0AA0	22690.-
3VJ13 (VJ1 400)		250	3VJ1225-7DA22-0AA0	11880.-	3VJ1225-7DA32-0AA0	19755.-	3VJ1225-7EA42-0AA0	26095.-
		320	-	-	3VJ1332-7DA32-0AA0	25640.-	3VJ1332-7EA42-0AA0	32975.-
		400	-	-	3VJ1340-7DA32-0AA0	25640.-	3VJ1340-7EA42-0AA0	32975.-

Notes:

Phase barriers are included in the standard MCCB packing

^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



Circuit Breakers



3VJ10 MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz NEW

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ10 (VJ1 125X)	10kA	20	3VJ1002-0DB32-0AA0	4370.-	3VJ1002-0EB42-0AA0	5900.-
		25	3VJ1092-0DB32-0AA0	4370.-	3VJ1092-0EB42-0AA0	5900.-
		32	3VJ1003-0DB32-0AA0	4370.-	3VJ1003-0EB42-0AA0	5900.-
		40	3VJ1004-0DB32-0AA0	4370.-	3VJ1004-0EB42-0AA0	5900.-
		50	3VJ1005-0DB32-0AA0	4370.-	3VJ1005-0EB42-0AA0	5900.-
		63	3VJ1006-0DB32-0AA0	4370.-	3VJ1006-0EB42-0AA0	5900.-
		80	3VJ1008-0DB32-0AA0	4370.-	3VJ1008-0EB42-0AA0	5900.-
		100	3VJ1010-0DB32-0AA0	4370.-	3VJ1010-0EB42-0AA0	5900.-
		125	3VJ1012-0DB32-0AA0	6285.-	3VJ1012-0EB42-0AA0	8865.-
	18kA	20	3VJ1002-1DB32-0AA0	6600.-	3VJ1002-1EB42-0AA0	8475.-
		25	3VJ1092-1DB32-0AA0	6600.-	3VJ1092-1EB42-0AA0	8475.-
		32	3VJ1003-1DB32-0AA0	6600.-	3VJ1003-1EB42-0AA0	8475.-
		40	3VJ1004-1DB32-0AA0	6600.-	3VJ1004-1EB42-0AA0	8475.-
		50	3VJ1005-1DB32-0AA0	6600.-	3VJ1005-1EB42-0AA0	8475.-
		63	3VJ1006-1DB32-0AA0	6600.-	3VJ1006-1EB42-0AA0	8475.-
		80	3VJ1008-1DB32-0AA0	6600.-	3VJ1008-1EB42-0AA0	8475.-
		100	3VJ1010-1DB32-0AA0	6600.-	3VJ1010-1EB42-0AA0	8475.-
		125	3VJ1012-1DB32-0AA0	7570.-	3VJ1012-1EB42-0AA0	9850.-
	25kA	20	3VJ1002-3DB32-0AA0	7585.-	3VJ1002-3EB42-0AA0	10055.-
		25	3VJ1092-3DB32-0AA0	7585.-	3VJ1092-3EB42-0AA0	10055.-
		32	3VJ1003-3DB32-0AA0	7585.-	3VJ1003-3EB42-0AA0	10055.-
		40	3VJ1004-3DB32-0AA0	7585.-	3VJ1004-3EB42-0AA0	10055.-
		50	3VJ1005-3DB32-0AA0	7585.-	3VJ1005-3EB42-0AA0	10055.-
		63	3VJ1006-3DB32-0AA0	7585.-	3VJ1006-3EB42-0AA0	10055.-
		80	3VJ1008-3DB32-0AA0	7585.-	3VJ1008-3EB42-0AA0	10055.-
		100	3VJ1010-3DB32-0AA0	7585.-	3VJ1010-3EB42-0AA0	10055.-
		125	3VJ1012-3DB32-0AA0	8655.-	3VJ1012-3EB42-0AA0	11055.-

Notes:  
 Phase barriers are included in the standard MCCB packing  
 Std. Pkg. = 1 unit \* MRP - Max. Retail Price

Circuit Breakers



## 3VJ MCCB, Thermal Magnetic Trip Unit, Adjustable Thermal Fixed Magnetic (ATFM), 415VAC, 50Hz

NEW

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ12 (VJ1 250)	25kA	160	3VJ1216-3DB32-0AA0	12165.-	3VJ1216-3EB42-0AA0	14800.-
		200	3VJ1220-3DB32-0AA0	13130.-	3VJ1220-3EB42-0AA0	16530.-
		250	3VJ1225-3DB32-0AA0	14785.-	3VJ1225-3EB42-0AA0	19460.-
3VJ13 (VJ1 400)		320	3VJ1332-3DB32-0AA0	27655.-	3VJ1332-3EB42-0AA0	35620.-
		400	3VJ1340-3DB32-0AA0	27655.-	3VJ1340-3EB42-0AA0	35620.-
		3VJ11 (VJ1 125)	25	3VJ1192-5DB32-0AA0	10055.-	3VJ1192-5EB42-0AA0
32	3VJ1103-5DB32-0AA0		10055.-	3VJ1103-5EB42-0AA0	13285.-	
40	3VJ1104-5DB32-0AA0		10055.-	3VJ1104-5EB42-0AA0	13285.-	
50	3VJ1105-5DB32-0AA0		10055.-	3VJ1105-5EB42-0AA0	13285.-	
63	3VJ1106-5DB32-0AA0		10055.-	3VJ1106-5EB42-0AA0	13285.-	
80	3VJ1108-5DB32-0AA0		10055.-	3VJ1108-5EB42-0AA0	13285.-	
100	3VJ1110-5DB32-0AA0		10055.-	3VJ1110-5EB42-0AA0	13285.-	
125	3VJ1112-5DB32-0AA0		11385.-	3VJ1112-5EB42-0AA0	14445.-	
3VJ12 (VJ1 250)	160		3VJ1216-5DB32-0AA0	13795.-	3VJ1216-5EB42-0AA0	16775.-
	200		3VJ1220-5DB32-0AA0	17860.-	3VJ1220-5EB42-0AA0	23050.-
	250	3VJ1225-5DB32-0AA0	20535.-	3VJ1225-5EB42-0AA0	26420.-	
3VJ13 (VJ1 400)	320	3VJ1332-5DB32-0AA0	28350.-	3VJ1332-5EB42-0AA0	36310.-	
	400	3VJ1340-5DB32-0AA0	28350.-	3VJ1340-5EB42-0AA0	36310.-	
3VJ11 (VJ1 125)	55kA	25	3VJ1192-7DB32-0AA0	12150.-	3VJ1192-7EB42-0AA0	16025.-
		32	3VJ1103-7DB32-0AA0	12150.-	3VJ1103-7EB42-0AA0	16025.-
		40	3VJ1104-7DB32-0AA0	12150.-	3VJ1104-7EB42-0AA0	16025.-
		50	3VJ1105-7DB32-0AA0	12150.-	3VJ1105-7EB42-0AA0	16025.-
		63	3VJ1106-7DB32-0AA0	12150.-	3VJ1106-7EB42-0AA0	16025.-
		80	3VJ1108-7DB32-0AA0	12150.-	3VJ1108-7EB42-0AA0	16025.-
		100	3VJ1110-7DB32-0AA0	12150.-	3VJ1110-7EB42-0AA0	16025.-
		125	3VJ1112-7DB32-0AA0	13370.-	3VJ1112-7EB42-0AA0	17630.-
3VJ12 (VJ1 250)		160	3VJ1216-7DB32-0AA0	15995.-	3VJ1216-7EB42-0AA0	21125.-
		200	3VJ1220-7DB32-0AA0	18395.-	3VJ1220-7EB42-0AA0	24290.-
	250	3VJ1225-7DB32-0AA0	21145.-	3VJ1225-7EB42-0AA0	27935.-	
3VJ13 (VJ1 400)	320	3VJ1332-7DB32-0AA0	29045.-	3VJ1332-7EB42-0AA0	37350.-	
	400	3VJ1340-7DB32-0AA0	29045.-	3VJ1340-7EB42-0AA0	37350.-	

Notes: Phase barriers are included in the standard MCCB packing

## Earth Fault Protection for 3VJ MCCBs

Description	Type	Unit LP* ₹
Earth fault monitoring relay • Auxiliary voltage: 85-270V AC/DC • Change over contact: 2C/O • Width: 35mm module	7UG08611BU20	5375.-
CBCT for EFR: Suitable for 3VJ10 up to 125A	3P	7UG09910
	4P	7UG09911
CBCT for EFR: Suitable for 3VJ11 up to 125A	3P	7UG09911
	4P	7UG09911
CBCT for EFR: Suitable for 3VJ12 up to 250A	3P	7UG09912
	4P	7UG09913

## Earth Leakage Protection for 3VJ MCCBs

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG08411CB20
	230VAC	7UG08421CD20
CBCT for ELR	35 mm dia	7UG0996
	70 mm dia	7UG0997
	120 mm dia	7UG0999
	210 mm dia	7UG0994
	310 mm dia	7UG0995

Note: Order 1 no of shunt trip for MCCB separately along with earth fault relay / earth leakage relay

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price

LP = List Price

## 3VJ Internal accessories

NEW

Frame Size	Accessory compartment/ Coil voltage	3VJ10 (VJ1 125X)	Unit MRP* ₹	3VJ11 (VJ1 125)	Unit MRP* ₹	3VJ12 (VJ1 250)	Unit MRP* ₹	3VJ13 (VJ1 400)	Unit MRP* ₹
Auxiliary Switches (AUX)	Left	3VJ9018-0AN11	1505.-	3VJ9218-0AN11	1555.-	3VJ9218-0AN11	1555.-	3VJ9417-0AN11	1610.-
	Right	-	-	3VJ9218-0AN21	1555.-	3VJ9218-0AN21	1555.-	3VJ9417-0AN21	1610.-
Alarm Switches (AL)	Left	3VJ9018-0AA11	1505.-	3VJ9118-0AA11	1505.-	3VJ9218-0AA11	1555.-	3VJ9417-0AA11	1610.-
	Right	-	-	3VJ9118-0AA21	1505.-	3VJ9218-0AA21	1555.-	3VJ9417-0AA21	1610.-
Auxiliary + Alarm Switches (AUX+AL)	Left	3VJ9018-0AD11	2445.-	3VJ9118-0AD11	2445.-	3VJ9218-0AD11	2560.-	3VJ9417-0AD11	2780.-
	Right	-	-	3VJ9118-0AD21	2445.-	3VJ9218-0AD21	2560.-	3VJ9417-0AD21	2780.-
Shunt Trip (Right) (ST)	24V DC	-	-	3VJ9218-0ST11	3115.-	3VJ9218-0ST11	3115.-	-	-
	24V AC/DC	-	-	-	-	-	-	3VJ9417-0ST21	3335.-
	48V DC	-	-	3VJ9218-0ST12	3115.-	3VJ9218-0ST12	3115.-	-	-
	48V AC/DC	-	-	-	-	-	-	3VJ9417-0ST22	3335.-
	110V DC	3VJ9018-0ST15	2265.-	3VJ9218-0ST15	3115.-	3VJ9218-0ST15	3115.-	-	-
	110V AC/DC	-	-	-	-	-	-	3VJ9417-0ST25	3335.-
	110V AC	3VJ9018-0ST35	2265.-	3VJ9218-0ST35	3225.-	3VJ9218-0ST35	3225.-	-	-
	220V AC	3VJ9018-0ST36	2455.-	3VJ9218-0ST36	3335.-	3VJ9218-0ST36	3335.-	3VJ9417-0ST36	3670.-
Undervoltage Release (Left) (UVR)	415V AC	3VJ9018-0ST37	2455.-	3VJ9218-0ST37	3335.-	3VJ9218-0ST37	3335.-	3VJ9417-0ST37	3670.-
	24V DC	-	-	3VJ9218-0UV11	4450.-	3VJ9218-0UV11	4450.-	-	-
	48V DC	-	-	3VJ9218-0UV12	4450.-	3VJ9218-0UV12	4450.-	-	-
	220V AC	-	-	3VJ9218-0UV36	4670.-	3VJ9218-0UV36	4670.-	3VJ9417-0UV36	11125.-
415V AC	-	-	3VJ9218-0UV37	5005.-	3VJ9218-0UV37	5005.-	3VJ9417-0UV37	11125.-	

Internal accessories are available for 2P, 3P &amp; 4P 3VJ MCCBs

## 3VJ External accessories

NEW

Frame Size	No. of poles	3VJ10 (VJ1 125X)	Unit MRP* ₹	3VJ11 (VJ1 125)	Unit MRP* ₹	3VJ12 (VJ1 250)	Unit MRP* ₹	3VJ13 (VJ1 400)	Unit MRP* ₹
Extended Door Mounted Rotary Operator (including 8UC handle)@	-	3VJ9018-0HD11	2255.-	3VJ9118-0HD11	2425.-	3VJ9218-0HD11	2840.-	3VJ9417-0HD11	3585.-
Spreader Links^	2P	3VJ9012-0ED00	200.-	3VJ9112-0ED00	220.-	3VJ9212-0ED00	670.-	-	-
	3P	3VJ9013-0ED00	335.-	3VJ9113-0ED00	355.-	3VJ9213-0ED00	1085.-	3VJ9313-0ED00	1890.-
	4P	3VJ9014-0ED00	440.-	3VJ9114-0ED00	460.-	3VJ9214-0ED00	1410.-	3VJ9314-0ED00	2670.-
Phase Barriers#		3VJ9018-0CA00	155.-	3VJ9218-0CA00	245.-	3VJ9218-0CA00	245.-	3VJ9417-0CA00	270.-
Front Barriers\$	2P/3P	3VJ9016-0CJ30	360.-	3VJ9116-0CJ30	425.-	3VJ9216-0CJ30	615.-	3VJ9413-0CJ30	765.-
	4P	3VJ9014-0CJ40	505.-	3VJ9114-0CJ40	540.-	3VJ9214-0CJ40	715.-	3VJ9414-0CJ40	940.-
Toggle handle extension	-	-	-	-	-	-	-	3VJ9417-0DH10	610.-
Interlocking (for MCCBs with 8UC handles) - Castell interlock kit	-	8UC60701YQ..	5590.-	8UC60701YQ..	5590.-	8UC60701YQ..	5590.-	8UC60702YQ..	5740.-

## Notes:

@ 1 set contains rotary mechanism, coupler, shaft &amp; 8UC handle.

^ Spreader link 1 set = 2 nos. links in case of 2 pole; 3 nos. links in case of 3 pole; 4 nos. links in case of 4 pole.

# Available as a spare; 1 set contains 2 phase barriers

\$ 1 set contains 2 front barriers (top &amp; bottom)

Toggle handle extension is included in the standard packing of 3VJ13 (VJ1 400) MCCB.

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



NEW

SENTRON

# Transfer control devices

## 3KC ATC6300 & 6500

- Suitable for Utility to DG, Utility to Utility and DG to DG changeover in combination with motorized breakers
- Automatic Load management and control of tie breaker (with ATC 6500 only)
- Communication capable via expansion modules on Modbus TCP or MODBUS RTU
- Confirms to IEC 60947-6-1
- Plug-in DI/DO expansion modules for additional functionality
- Easy parameterization through Powerconfig
- Ingress protection up to IP65

[www.siemens.com/switching-devices](http://www.siemens.com/switching-devices)

**SIEMENS**



# SETRON Auto transfer controllers

In accordance with IEC 60947-6-1, IEC standard for transfer switching equipments



	3KC ATC 3100	3KC ATC 6300	3KC ATC 6500
Display	-	Yes, LCD	Yes, LCD
Network	3 Phase Only	Single Phase / 2 Phase or 3 Phase systems (Including 3 Phase – 4 Wire systems)	Single Phase / 2 Phase or 3 Phase systems (Including 3 Phase – 4 Wire systems)
Maximum rated voltage U <sub>e</sub>	400V AC	100-480V AC L-L	100-600V AC L-L
Application type	Utility – Utility Utility - DG	Utility – Utility Utility - DG DG - DG	Utility – Utility Utility - DG DG - DG
Number of controllable breakers	2	2	3
Automatic load management (load shedding)	No	No	Yes
Parameterization	Pushbuttons & Rotary Switches	LCD Display   USB Front interface <sup>1)</sup>   Communication Modules <sup>2)</sup>	LCD Display   USB Front interface <sup>1)</sup>   Communication Modules <sup>2)</sup>
Expansion Modules	No	Yes, DI/DOs   Communication Modules	Yes, DI/DOs   Communication Modules
Communication Option	No	Yes, MODBUS RTU/ MODBUS TCP via expansion modules	Yes, Integrated RS485 Port (MODBUS RTU) MODBUS TCP via expansion module

<sup>1) 2)</sup> Available as accessory. Parameterization to be done via Powerconfig

Description	Type No	Unit LP* ₹	Std. pkg. (nos.)
<b>Automatic Transfer Controllers</b>			
3KC ATC 3100 <sup>5</sup>	3KC9000-8EL10	74015.-	1
3KC ATC 6300	3KC9000-8TL40	107390.-	1
3KC ATC 6500	3KC9000-8TL50	Price on request	1
<b>Accessories   Expandable DI /DO Modules (For both ATC 6300 &amp; 6500)</b>			
ATC6 expansion module 4DI	3KC9000-8TL60	Price on request	1
ATC6 expansion module 4DO, SSR	3KC9000-8TL61	Price on request	1
ATC6 expansion module 2DI/2DO, SSR	3KC9000-8TL62	Price on request	1
ATC6 expansion module 2DO, relay	3KC9000-8TL63	Price on request	1
ATC6 expansion module 2DI/2DO, relay	3KC9000-8TL64	Price on request	1
<b>Expansion modules with communication interfaces (For both ATC 6300 &amp; 6500)</b>			
ATC6 RS 485 expansion module	3KC9000-8TL74	Price on request	1
ATC6 Ethernet expansion module	3KC9000-8TL75	Price on request	1
<b>USB Front interface (For both ATC 6300 &amp; 6500)</b>			
ATC6 USB front interface	3KC9000-8TL73	Price on request	1
<b>IP 65 Protective Gasket</b>			
For ATC 6300 144 x 144 mm	3KC9000-8TL67	Price on request	1
For ATC 6300 171 x 131 mm	3KC9000-8TL68	Price on request	1
<b>Other Accessories</b>			
Connection cable 3KC ATC3100 to MCCBs / ACBs	3KC9000-8EL62	14965.-	1

<sup>5</sup> It is advisable to use connection cable with 3KC ATC3100

\* LP - List Price

Auto Transfer Controllers

**Complete Auto changeover solution with SIEMENS circuit breakers**

Designed and tested with





**SENTRON**

# Fuse Switch Disconnectors - **3NP1**

**End to end safety for user and systems**

- Compliant with IEC 60947-1 and IEC 60947-3
- 1-pole to 4-pole versions up to 630A at 1000V AC/ DC
- Fuse and Voltage monitoring
- 40/ 60mm busbar mounting option
- Selection chart with SITOR fuses

[www.siemens.com/switching-devices](http://www.siemens.com/switching-devices)

**SIEMENS**

# SENTRON 3NP1 Fuse Switch Disconnectors up to 630A

## Reliable safety of personnel and systems

**Overview:**

- Available in five frame sizes from 100 to 630 A
- Optional for use of fuse links in LV HRC design
- 1-, 2-, 3- and 4-pole switchable

**Application:**

- Can be used in main and auxiliary circuits
- For non-routine switching
- VFD/ Soft Starter/ Capacitor panels

**Benefits:**

- Fuse puller is not required
- Mounting flexibility: Base / DIN / busbar
- AC20 / DC20 1000V

### 3NP1 with Floor mounting

**3NP1 without fuse monitoring**

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA20	3790.-
				3	3NP1123-1CA20	6890.-
				4	3NP1124-1CA20	12025.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA10	3990.-
				3	3NP1133-1CA10	7205.-
				4	3NP1134-1CA10	12535.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA10	11625.-
				3	3NP1143-1DA10	21080.-
				4	3NP1144-1DA10	34565.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA10	15990.-
				3	3NP1153-1DA10	28890.-
				4	3NP1154-1DA10	46755.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA10	21280.-
				3	3NP1163-1DA10	38710.-
				4	3NP1164-1DA10	62030.-



1-pole



3-pole



2-pole



4-pole

**3NP1 with Electronic fuse monitoring <sup>3)</sup>**

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA24	13280.-
				3	3NP1123-1CA24	20560.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA14	13460.-
				3	3NP1133-1CA14	20745.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA14	21105.-
				3	3NP1143-1DA14	34565.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA14	25650.-
				3	3NP1153-1DA14	42750.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA14	30930.-
				3	3NP1163-1DA14	52215.-



1-pole with EFM



3-pole with EFM

- 1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
- 2) Box type terminals available for higher ratings 3NP1.
- 3) EFM voltage range: 1-pole: 24 ... 240 V AC (phase to N) / 24 ... 250 V DC (L+ to L-); 3-pole: 190 ... 690 V AC (phase to phase) .

Further voltage ranges are available as accessories. EFM needs external 24V DC power supply.

- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories. Please refer page 39 for assembly kit selection.

**Configurator for 3NP1**

- Ready-to-install version
- Application specific switches
- Accessories



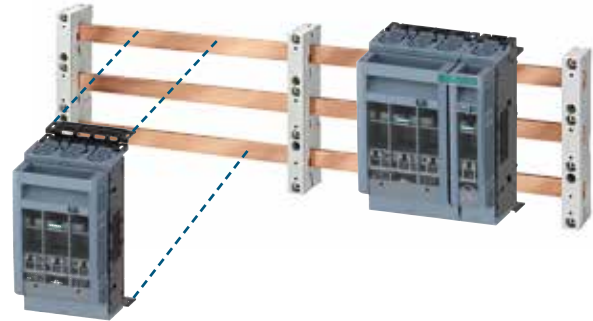
## 3NP1 mounting on 8US busbar

### 3NP1 mounting on 60mm 8US busbar system <sup>3)</sup>

3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	3	3NP1123-1BC20	10195.-
				4	3NP1124-1BC20	16985.-
160 <sup>2)</sup>	00	00	Flat	3	3NP1133-1BC10	10945.-
				4	3NP1134-1BC10	18305.-
250 <sup>2)</sup>	1	1	Flat	3	3NP1143-1BC10	34895.-
				4	3NP1144-1BC10	54390.-
400 <sup>2)</sup>	2	2	Flat	3	3NP1153-1BC10	45100.-
				4	3NP1154-1BC10	70765.-
630 <sup>2)</sup>	3	3	Flat	3	3NP1163-1BC10	57240.-
				4	3NP1164-1BC10	90800.-

8US busbar system



## Accessories for 3NP1

### Auxillary contact (1CO type)



3NP1 Size	Type	Unit LP* ₹
000	3NP1920-1FA00	1585.-
00	3NP1930-1FA00	1585.-
1,2,3	3NP1940-1FA00	1725.-

### Feeder terminals for 3NP1 121/ 3 for use up to 160A



3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1BD00	2000.-
		3	3NP1923-1BD00	4470.-

### Assembly kit for connection of 1-pole and 3-pole 3NP1 to form floor mounted 2-pole<sup>4)</sup> and 4-pole 3NP1



3NP1 Size	Type	Unit LP* ₹
000	3NP19211EC00	Price on request
00	3NP19311EC00	
1,2,3	3NP19411EC00	

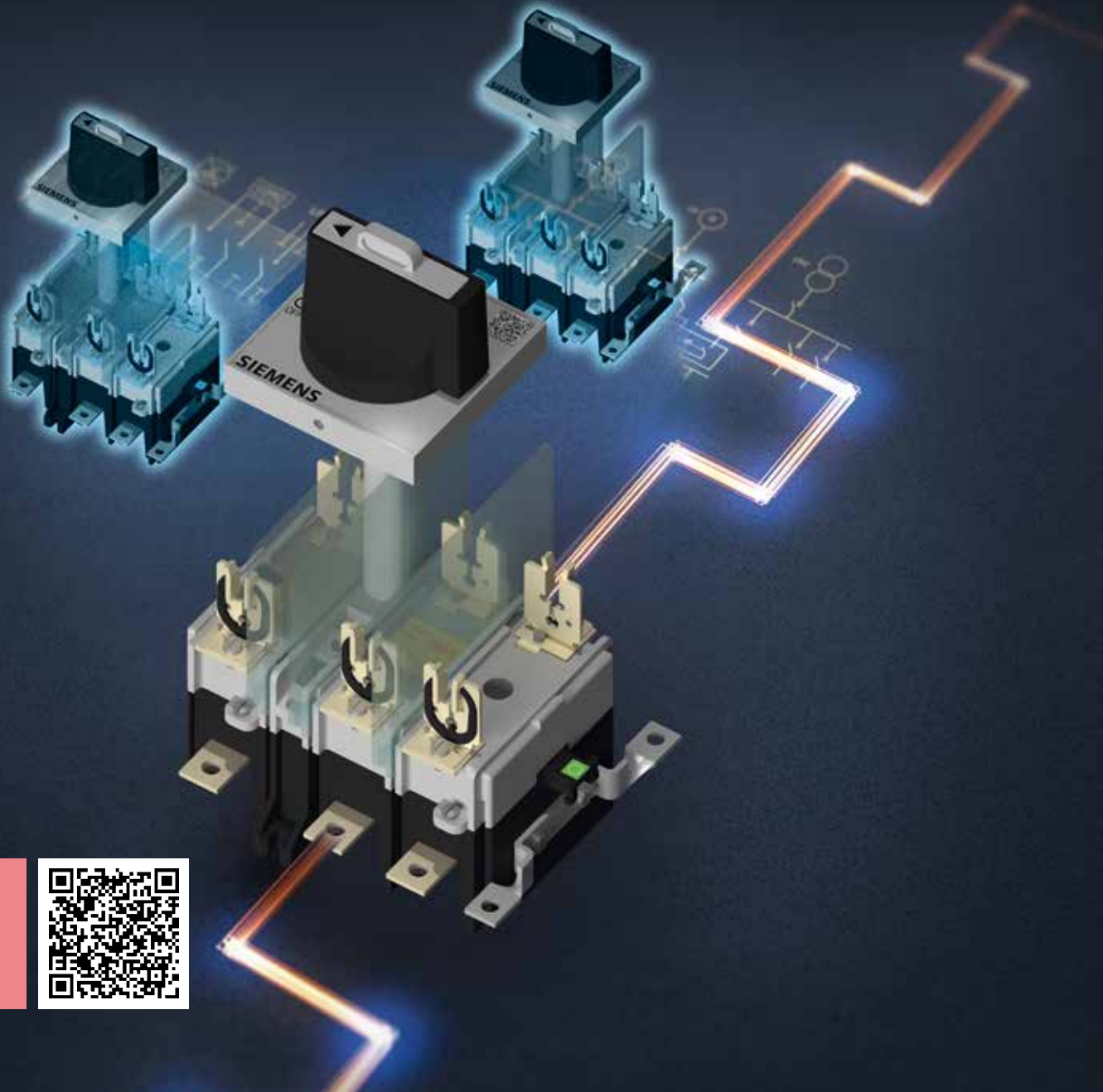
### Assembly kit for mounting 3NP1 floor type on 8US 60mm busbar system <sup>5)</sup>



3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1EE10	Price on request
00			3NP1931-1EE10	

- 1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00 (for 3-pole) and 3NP1921-1BD00 (for 1-pole)
- 2) Box type terminals available for higher ratings 3NP1.
- 3) 3NP1 also available for Rittal RiLine 60 busbar system with base
- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories.
- 5) Contains all parts for assembly and connection.





## SUPERSWITCH

# Switch Disconnecter Fuse - **3KL8**

**Safe. Reliable. Efficient.**

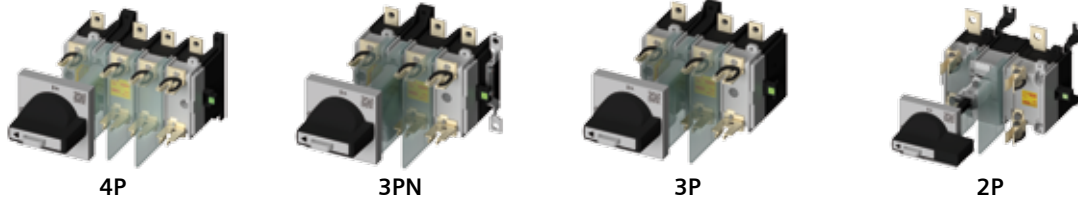
- Compliant with IS/ IEC 60947-3
- 2-pole to 4-pole versions up to 800A at 690V AC
- COMPACT 2-pole and TRUE 4-pole versions
- DIN/ BS/ Cylindrical fuse type versions
- With Enclosure option
- AC-23A for the complete range
- Type 2 co-ordination chart for DOL and Star Delta feeders

[www.siemens.co.in/superswitch3k](http://www.siemens.co.in/superswitch3k)

**SIEMENS**

# Superswitch 3KL8

- Wide range : Up to 800A in SDF and 1600A in SD
- Available in 2P,3P,3PN & 4P variants
- Suitable for isolation as per IS/IEC 60947-3
- Unique positive off indication
- Suitable for AC23A Duty @ 690V AC, 50Hz
- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable for power distribution as well as motor protection



## Switch disconnector fuse: 3KL8 4-pole, for power distribution (in Open Execution)

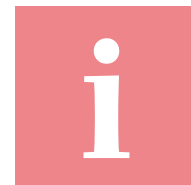
Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-4TA00	2980.-	3KL8111-4TJ00	3030.-	3KL8111-4TC00	3095.-	1
32A	3KL8121-4TA00	3085.-	3KL8121-4TJ00	3320.-	3KL8121-4TC00	3345.-	1
63A	3KL8151-4TA00	4150.-	3KL8151-4TJ00	4210.-	3KL8151-4TC00	4385.-	1
100A	3KL8171-4TA00	6230.-	-	-	-	-	1
100A	3KL8211-4TA00	8950.-	3KL8211-4TJ00	9765.-	-	-	1
125A	3KL8221-4TA00	10975.-	3KL8221-4TJ00	11625.-	-	-	1
160A	3KL8231-4TA00	12180.-	3KL8231-4TJ00	14125.-	-	-	1
200A	3KL8311-4UA00	17475.-	3KL8311-4UJ00	18345.-	-	-	1
250A	3KL8321-4UA00	20360.-	3KL8321-4UJ00	21740.-	-	-	1
315A	3KL8331-4UA00	24510.-	3KL8331-4UJ00	26825.-	-	-	1
400A	3KL8341-4UA00	26970.-	3KL8341-4UJ00	30990.-	-	-	1
500A	3KL8411-4UA00	43795.-	3KL8411-4UJ00	49955.-	-	-	1
630A	3KL8421-4UA00	45405.-	3KL8421-4UJ00	51765.-	-	-	1
800A <sup>§</sup>	3KL8431-4UA00	53670.-	3KL8431-4UJ00	56085.-	-	-	1

## Switch disconnector fuse:3KL8 3PN for power distribution and motor protection (Open Execution)

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-5TA00	2795.-	3KL8111-5TJ00	2805.-	3KL8111-5TC00	2815.-	1
32A	3KL8121-5TA00	2845.-	3KL8121-5TJ00	2860.-	3KL8121-5TC00	2880.-	1
63A	3KL8151-5TA00	3815.-	3KL8151-5TJ00	3890.-	3KL8151-5TC00	3930.-	1
100A	3KL8171-5TA00	5460.-	-	-	-	-	1
100A	3KL8211-5TA00	7605.-	3KL8211-5TJ00	7675.-	-	-	1
125A	3KL8221-5TA00	9790.-	3KL8221-5TJ00	9835.-	-	-	1
160A	3KL8231-5TA00	10480.-	3KL8231-5TJ00	10530.-	-	-	1
200A	3KL8311-5UA00	14380.-	3KL8311-5UJ00	14815.-	-	-	1
250A	3KL8321-5UA00	16335.-	3KL8321-5UJ00	16785.-	-	-	1
315A	3KL8331-5UA00	19455.-	3KL8331-5UJ00	19775.-	-	-	1
400A	3KL8341-5UA00	23445.-	3KL8341-5UJ00	23790.-	-	-	1
500A	3KL8411-5UA00	37705.-	3KL8411-5UJ00	38570.-	-	-	1
630A	3KL8421-5UA00	39710.-	3KL8421-5UJ00	41775.-	-	-	1
800A <sup>§</sup>	3KL8431-5UA00	42345.-	3KL8431-5UJ00	45265.-	-	-	1

## Switch disconnector fuse: 3KL8 3-pole, for motor protection (in Open Execution)

Rated current I <sub>e</sub> @ 690V 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-1TA00	2710.-	1
32A	3KL8121-1TA00	2770.-	1
63A	3KL8151-1TA00	3750.-	1
100A	3KL8211-1TA00	7470.-	1
125A	3KL8221-1TA00	9500.-	1
160A	3KL8231-1TA00	10270.-	1
200A	3KL8311-1UA00	13935.-	1
250A	3KL8321-1UA00	16245.-	1
315A	3KL8331-1UA00	19160.-	1
400A	3KL8341-1UA00	23070.-	1
500A	3KL8411-1UA00	37125.-	1
630A	3KL8421-1UA00	39460.-	1
800A <sup>§</sup>	3KL8431-1UA00	42085.-	1



§ 3KL8431 (800A): 710A with fuse cover

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

3KL8: Unit MRPs are without fuses

3KL8: Unit MRPs are inclusive of Front drive (Handle) and phase barriers

Please scan the QR code for brochure and Operation manual (OM)

Refer the OM for changes in dimension

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

# Superswitch 3KL8

## Switch disconnecter fuse: 3KL8 2-pole (Open Execution)

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A <sup>®</sup>	3KL8111-2TA00	2535.-	-	-	3KL8111-2TC00	2575.-	1
32A <sup>®</sup>	3KL8121-2TA00	2575.-	-	-	3KL8121-2TC00	2695.-	1
63A <sup>®</sup>	3KL8151-2TA00	3355.-	-	-	3KL8151-2TC00	3385.-	1
100A <sup>®</sup>	3KL8171-2TA00	5190.-	-	-	-	-	1
100A	3KL8211-2TA00	7145.-	3KL8211-2TJ00	7305.-	-	-	1
125A	3KL8221-2TA00	8280.-	3KL8221-2TJ00	9020.-	-	-	1
160A	3KL8231-2TA00	8610.-	3KL8231-2TJ00	9710.-	-	-	1
200A	3KL8311-2UA00	12515.-	3KL8311-2UJ00	13680.-	-	-	1
250A	3KL8321-2UA00	13630.-	3KL8321-2UJ00	15105.-	-	-	1
315A	3KL8331-2UA00	16580.-	3KL8331-2UJ00	17595.-	-	-	1
400A	3KL8341-2UA00	19765.-	3KL8341-2UJ00	20775.-	-	-	1
500A	3KL8411-2UA00	31200.-	3KL8411-2UJ00	36325.-	-	-	1
630A	3KL8421-2UA00	31915.-	3KL8421-2UJ00	36860.-	-	-	1
800A <sup>§</sup>	3KL8431-2UA00	41515.-	3KL8431-2UJ00	41645.-	-	-	1



## Switch disconnecter fuse in SS<sup>^</sup> Enclosure (factory fitted)<sup>1)</sup>

Rated current I <sub>e</sub> @690V 50Hz	Suitable fuse type	3PN	Unit MRP* ₹	4P	Unit MRP* ₹	Std. pkg. (nos.)
20A	DIN	3KL8111-5TA10	5850.-	3KL8111-4TA10	6380.-	1
	BS	3KL8111-5TJ10	5895.-	3KL8111-4TJ10	6395.-	1
	CYL	3KL8111-5TC10	5935.-	3KL8111-4TC10	6445.-	1
32A	DIN	3KL8121-5TA10	6255.-	3KL8121-4TA10	6580.-	1
	BS	3KL8121-5TJ10	6275.-	3KL8121-4TJ10	6655.-	1
	CYL	3KL8121-5TC10	6305.-	3KL8121-4TC10	6680.-	1
63A	DIN	3KL8151-5TA10	6950.-	3KL8151-4TA10	7760.-	1
	BS	3KL8151-5TJ10	6970.-	3KL8151-4TJ10	7955.-	1
	CYL	3KL8151-5TC10	7030.-	3KL8151-4TC10	7980.-	1
100A	DIN	3KL8211-5TA10	11135.-	3KL8211-4TA10	12500.-	1
	BS	3KL8211-5TJ10	11460.-	3KL8211-4TJ10	12620.-	1
125A	DIN	3KL8221-5TA10	13205.-	3KL8221-4TA10	15055.-	1
	BS	3KL8221-5TJ10	13300.-	3KL8221-4TJ10	15525.-	1
160A	DIN	3KL8231-5TA10	14165.-	3KL8231-4TA10	16550.-	1
	BS	3KL8231-5TJ10	14275.-	3KL8231-4TJ10	16655.-	1
200A	DIN	3KL8311-5UA10	20425.-	3KL8311-4UA10	27015.-	1
	BS	3KL8311-5UJ10	20580.-	3KL8311-4UJ10	27635.-	1
250A	DIN	3KL8321-5UA10	23155.-	3KL8321-4UA10	28765.-	1
	BS	3KL8321-5UJ10	23315.-	3KL8321-4UJ10	28965.-	1
315A	DIN	3KL8331-5UA10	27545.-	3KL8331-4UA10	34235.-	1
	BS	3KL8331-5UJ10	27700.-	3KL8331-4UJ10	34410.-	1
400A	DIN	3KL8341-5UA10	31775.-	3KL8341-4UA10	38390.-	1
	BS	3KL8341-5UJ10	32180.-	3KL8341-4UJ10	38555.-	1
500A	DIN	3KL8411-5UA10	47310.-	3KL8411-4UA10	56460.-	1
	BS	3KL8411-5UJ10	47455.-	3KL8411-4UJ10	57070.-	1
630A	DIN	3KL8421-5UA10	49805.-	3KL8421-4UA10	59955.-	1
	BS	3KL8421-5UJ10	49955.-	3KL8421-4UJ10	60135.-	1
800A <sup>§</sup>	DIN	3KL8431-5UA10	53470.-	3KL8431-4UA10	64370.-	1
	BS	3KL8431-5UJ10	53610.-	3KL8431-4UJ10	64540.-	1



## SS<sup>^</sup> Enclosure for 3KL8/ 3KA8

Rated current I <sub>e</sub> @690V 50Hz	Enclosure type	Unit MRP* ₹	Std. pkg. (nos.)
20A-160A	3KX8235-4AC	3915.-	1
200A-400A	3KX8345-4AC	5210.-	1
500A-800A	3KX8435-4AC <sup>1)</sup>	8540.-	1
200A-800A	3KX8435-4AG <sup>#2)</sup> <b>NEW</b>	14670.-	1

@ In 3P housing

^ SS stands for Sheet Steel

1) 3KL8 in SS Enclosure: Includes 3KL8 SDF without fuses, SS Enclosure, front drive (Handle) and phase barriers

\$ 3KL8431 (800A): 710A with fuse cover

^ SS stands for Sheet Steel

# Enclosure for 4-pole SDF / SD type 3KL83/4 & 3KA83/4

1) SD (except 4-pole) type 3KA84 (630A-1600A), recommended to be used along with gland box 3KX84354DC (2nos.)

2) SD (4-pole only) type 3KA84 (630A-1600A), recommended to be used along with gland box 3KX84354DG (2nos.)

Std. Pkg. = 1 unit \* MRP - Maximum Retail Price

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

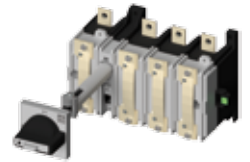
3KL8: Unit MRPs are without fuses

3KL8: Unit MRPs are inclusive of Front drive (Handle) and phase barriers

Refer the brochure for fuse selection guide

Refer the OM for changes in dimension

# Superswitch 3KA8



## Switch Disconnector: 3KA8 for power distribution (in Open Execution)

Rated current I <sub>n</sub> @690V 50Hz	2P	Unit MRP* ₹	3PN	Unit MRP* ₹	4P	Unit MRP* ₹	Std. pkg. (nos.)
63A	3KA8151-2TE00 <sup>®</sup>	2840.-	3KA8151-5TE00	3420.-	3KA8151-4TE00	4605.-	1
100A	-	-	3KA8171-5TE00	5325.-	3KA8171-4TE00	9270.-	1
100A	3KA8211-2TE00	4970.-	3KA8211-5TE00	6775.-	3KA8211-4TE00	10720.-	1
125A	3KA8221-2TE00	6240.-	3KA8221-5TE00	7775.-	3KA8221-4TE00	11515.-	1
160A	3KA8231-2TE00	8310.-	3KA8231-5TE00	10120.-	3KA8231-4TE00	14505.-	1
200A	3KA8311-2UE00	10570.-	3KA8311-5UE00	13065.-	3KA8311-4UE00	16835.-	1
250A	3KA8321-2UE00	11565.-	3KA8321-5UE00	13795.-	3KA8321-4UE00	20680.-	1
400A	3KA8341-2UE00	16045.-	3KA8341-5UE00	20400.-	3KA8341-4UE00	28185.-	1
630A <sup>§</sup>	3KA842□-2UE00	25735.-	3KA842□-5UE00	32380.-	3KA842□-4UE00	40350.-	1
800A <sup>§</sup>	3KA843□-2UE00	26855.-	3KA843□-5UE00	33420.-	3KA843□-4UE00	46300.-	1
1000A <sup>§</sup>	3KA844□-2UE00	35935.-	3KA844□-5UE00	48005.-	3KA844□-4UE00	57055.-	1
1250A <sup>§</sup>	3KA845□-2UE00	47250.-	3KA845□-5UE00	62275.-	3KA845□-4UE00	68590.-	1
1600A <sup>§</sup>	3KA846□-2UE00	54495.-	3KA846□-5UE00	68925.-	3KA846□-4UE00	92375.-	1

□ - 2: Top Incoming  
□ - 3: Bottom Incoming

@ In 3P housing

§ Utilization category AC21A @690V AC (1600A: @500V AC)

Notes:

2P = 2-pole; 3P = 3-pole; 3PN = 3-pole with neutral link; 4P = 4-pole

3KA8: Unit MRPs are inclusive of Front drive (Handle) and phase barriers

Please scan the QR code for Catalog and Operating instruction sheets (OIS)

Refer the OIS for changes in dimension

## Accessories for Superswitch 3KL8 / 3KA8

Description	Pole	Fuse type	3KL81 11/21/51/71 3KA81 51/71	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41	Unit MRP* ₹	3KL84 11/21/31 3KA84 2/3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)			
Fuse cover <sup>2)</sup>	2P	DIN	3KX8150-0AE <sup>5)</sup>	260.-	3KX8230-0JF	625.-	3KX8340-0AF	915.-	3KX8430-0JF	1295.-	1			
		BS			3KX8230-0HF	625.-			3KX8430-0HF	1295.-	1			
	3P	DIN			3KX8230-0JE	625.-	3KX8340-0AE	915.-	3KX8430-0JE	1295.-	1			
		BS			3KX8230-0JG	625.-			3KX8430-0JG	1295.-	1			
	4P	DIN			3KX8230-0HG	625.-	3KX8340-0AG	915.-	3KX8430-0HG	1295.-	1			
		BS			3KX8231-0AF	525.-			3KX8341-0AF	1000.-	3KX8431-0AF	1170.-	1	
	Terminal cover (1set = 2pieces)	2P			-	3KX8151-0AE	125.-	3KX8231-0AE	525.-	3KX8341-0AE	1000.-	3KX8431-0AE	1170.-	1
		3P			-	3KX8151-0AG	460.-	3KX8231-0AG	525.-	3KX8341-0AG	1000.-	3KX8431-0AG	1170.-	1
4P		-	3KX8153-0AE (DIN)	50.-	3KX8233-0JE (BS)	50.-	3KX8343-0AE	160.-	3KX8433-0AE	240.-	1			
Phase barrier	-	DIN/ BS/ Cylindrical	3KX8153-0AE	50.-	3KX8233-0JE (BS)	50.-	3KX8343-0AE	160.-	3KX8433-0AE	240.-	1			
Fuse cover phase barrier kit <sup>3)</sup>	-	-	-	-	-	3KX8340-9AE	510.-	3KX8440-9AE	510.-	1				
Auxiliary switch (1NO+1NC)	-	-	3SB5400-0A <sup>^</sup>	215.-	3KX3522-1YC	805.-	3KX3552-1YC	970.-	3KX3582-1YC	1170.-	1			
Auxiliary switch (2NO+2NC)	-	-	-	-	3KX3522-1YD	1450.-	3KX3552-1YD	2100.-	3KX3582-1YD	2270.-	1			
Auxiliary switch cover	-	-	3KX8154-0AC	90.-	3KX8234-0AC	90.-	-	-	-	-	1			
Front drive (Handle)	-	-	8UC6114-1BB00	1070.-	8UC6214-1BB00	1210.-	8UC6314-1BB00	1830.-	8UC6414-1BB00	2670.-	1			
Operating shaft (300mm)	-	-	8UC60-31	295.-	8UC60-32	360.-	8UC60-34	695.-	8UC60-34	695.-	1			
Castell interlock <sup>1)</sup> ^	-	-	8UC6070-0YQ..	5590.-	8UC6070-1YQ..	5590.-	8UC6070-2YQ..	5740.-	8UC6070-2YQ..	5740.-	1			
Key interlock	-	-	-	-	-	3KX3588-1YP(.) <sup>#</sup>	2625.-	3KX3588-1YP(.) <sup>#</sup>	2625.-	1				
Depth setting template	-	-	8UC6046-2	55.-	8UC6046-2	55.-	8UC6046-2	55.-	8UC6046-2	55.-	1			
Fuse Monitor with auxiliary switch <sup>^</sup> (1NO+1NC)	-	-	3RV1611-0BD10	8755.-	3RV1611-0BD10	8755.-	3RV1611-0BD10	8755.-	3RV1611-0BD10	8755.-	1			
	-	-	3RV2901-1E	1065.-	3RV2901-1E	1065.-	3RV2901-1E	1065.-	3RV2901-1E	1065.-	1			
Fuse safety barrier	-	-	3KX8150-1AC	135.-	3KX8230-1AC	180.-	-	-	-	-	1			
Gland box with gland plate (1no.)	-	-	3KX8235-4DC	4540.-	3KX8235-4DC	4540.-	3KX8345-4DC	6270.-	3KX8435-4DC	9550.-	1			
	-	-	-	-	-	-	-	-	3KX8435-4DG <sup>4)</sup>	15625.-	1			
Gland plate	-	-	3KX8235-4GC	960.-	3KX8235-4GC	960.-	3KX8345-4GC	1250.-	3KX8435-4GC	1385.-	1			
	-	-	-	-	-	-	-	-	3KX8435-4GG <sup>4)</sup>	1400.-	1			

# Type of keys are Type A - F depending on the last digit (.) to be replaced by letters A - F.

1) The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.

2) Additionally order: Phase barrier 2nos. with Fuse cover for 20A-160A SDF and "Fuse cover phase barrier kit" with Fuse cover for 200A - 800A SDF

3) Mandatory accessory to be ordered with fuse cover for 200A - 800A SDF

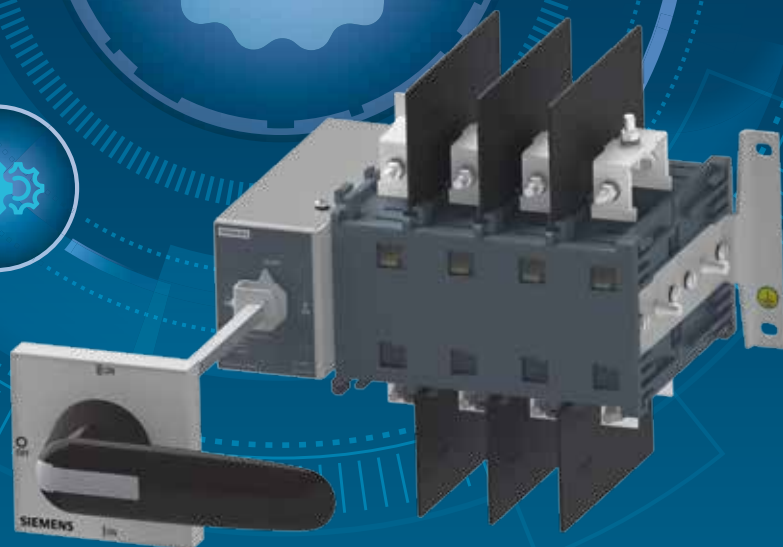
4) Accessory for 4-pole SDF with enclosure type 3KL83 & 3KL84 and SS enclosure type 3KX8435-4AG

5) Also, suitable for SDF with cylindrical type HRC fuses

Note: The above accessories e.g. Fuse Cover, Terminal Cover, Phase barrier, Fuse cover phase barrier kit & Front Drive (handle) are unique (different) and not to be used along with MLFB 3KL8...-3.A00, 3KL8...-3.J00, 3KL8...-3.C00

Std. Pkg. = 1 unit \* MRP - Maximum Retail Price ^ - List Price





**SINOVA**

# On Load Changeover Switches – 3KJ

## Simply Efficient

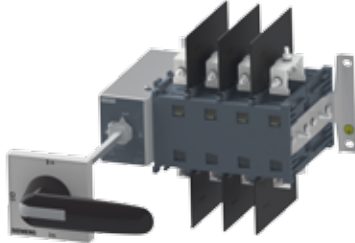
- Compliant with IS/IEC60947-3
- 4-pole modular switches up to 3150A in open and enclosed versions
- Stable I-O-II positions with safe switching
- Suitable for Positive isolation
- Built-in bridging bars and phase barriers
- Wide portfolio of accessories and spares

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## Manual ON Load Changeover Switch 3KJ

- 63A to 3150A in 4-pole configuration
- Open and Enclosed execution
- Comply to IS/IEC 60947-3
- Suitable for Positive isolation
- Available in AC-21 / AC-22 / AC-23 @415V 50/60Hz
- Wide portfolio of accessories and spares
- Built-in bridging bars and phase barriers
- Suitable terminals and metallic handles 1000A onwards
- Stable I-O-II positions with safe switching
- Modular range for rating 125A to 3150A



### Manual ON Load Changeover Switch 3KJ 4-pole, for power distribution

Series	Size	Rated current Ie @415V 50/60Hz	MCOS in Open execution	Unit MRP* ₹	MCOS in Enclosed execution	Unit MRP* ₹	Std. pkg. (nos.)
3KJ1#	1	63	3KJ1126-4AA20-0AA0	6580.-	3KJ1126-4AA20-1AA0	13010.-	1
		100	3KJ1130-4AA20-0AA0	8750.-	3KJ1130-4AA20-1AA0	15285.-	1
3KJ0	1	125	3KJ0132-4AA20-0AA0	13100.-	3KJ0132-4AA20-1AA0	17810.-	1
		160	3KJ0134-4AA20-0AA0	14400.-	3KJ0134-4AA20-1AA0	20395.-	1
	2	200	3KJ0236-4AA20-0AA0	18340.-	3KJ0236-4AA20-1AA0	23590.-	1
		250	3KJ0238-4AA20-0AA0	22435.-	3KJ0238-4AA20-1AA0	29315.-	1
		315	3KJ0240-4AA20-0AA0	29400.-	3KJ0240-4AA20-1AA0	35835.-	1
		400	3KJ0242-4AA20-0AA0	POR	3KJ0242-4AA20-1AA0	POR	1
	3	630	3KJ0346-4AA20-0AA0	50750.-	3KJ0346-4AA20-1AA0	61335.-	1
		800	3KJ0348-4AA20-0AA0	73615.-	3KJ0348-4AA20-1AA0	88215.-	1
	4	1000	3KJ0450-4AA30-0AA0	138645.-	3KJ0450-4AA30-1AA0	152465.-	1
		1250	3KJ0452-4AA30-0AA0	170870.-	3KJ0452-4AA30-1AA0	196910.-	1
		1600	3KJ0454-4AA30-0AA0	217825.-	3KJ0454-4AA30-1AA0	265565.-	1
	5	2000	3KJ0556-4AA30-0AA0	335320.-	3KJ0556-4AA30-1AA0	366035.-	1
		2500	3KJ0558-4AA30-0AA0	429915.-	3KJ0558-4AA30-1AA0	468365.-	1
		3150	3KJ0560-4AA30-0AA0	552790.-	3KJ0560-4AA30-1AA0	634850.-	1

#### Notes:

3KJ On Load Changeover Switch is switch disconnecter type

3KJ: Unit MRPs are inclusive of Front drive (Handle), shaft, phase barriers and bridging bars

# Non-Modular construction

POR: Price On Request

Refer the operating instruction sheet for complete dimensional details

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price

# Manual ON Load Changeover Switch 3KJ



Auxiliary switch

Gland box

## Accessories and spares

Accessory	Description	3KJ11	Unit MRP* ₹	3KJ01	Unit MRP* ₹	3KJ02	Unit MRP* ₹	Std.pkg. (nos.)
Auxiliary switch <sup>1)</sup>	1CO	3KJ9101-1AB00	660.-					1
	2CO	3KJ9101-1AD00	1315.-					1
	1NO+1NC			3KJ9001-1AB00	1705.-	3KJ9001-5AB00	3455.-	1
	2NO+2NC			3KJ9001-1AD00	5945.-	3KJ9001-5AD00	12915.-	1
Gland box <sup>2)</sup>	With one gland plate			3KJ9013-1MA00	3550.-	3KJ9013-2MB00	8025.-	1
Spare Phase barrier		3KJ9103-1CA00	45.-	3KJ9003-1CA00	65.-	3KJ9003-3CA00	95.-	1
Spare Front drive (Handle)	Plastic	3KJ9106-1FT00	620.-	3KJ9006-2FT00	620.-	3KJ9006-2FT00	620.-	1
Spare Shaft		3KJ9107-1GA00	210.-	3KJ9007-2GA00	210.-	3KJ9007-2GA00	210.-	1
Spare pole <sup>3)</sup>				125A 3KJ9008-1HC00	POR	200A 3KJ9008-2HE00	POR	1
				160A 3KJ9008-1HD00		250A 3KJ9008-2HF00		1
					315A 3KJ9008-2HG00	400A 3KJ9008-2HH00		1
								1
								1
Spare Bridging bar	Load side connection	63A,100A 3KJ9102-1BA00	POR	125A,160A 3KJ9002-1BB00	POR	200A 3KJ9002-2BC00	POR	1
						250A,315A 3KJ9002-2BD00		1
						400A 3KJ9002-2BE00		1
								1

Accessory	Description	3KJ03	Unit MRP* ₹	3KJ04	Unit MRP* ₹	3KJ05	Unit MRP* ₹	Std.pkg. (nos.)
Auxiliary Switch <sup>1)</sup>	1NO+1NC	3KJ9001-5AB00	3455.-	3KJ9001-5AB00	3455.-	3KJ9001-5AB00	3455.-	1
	2NO+2NC	3KJ9001-5AD00	12915.-	3KJ9001-5AD00	12915.-	3KJ9001-5AD00	12915.-	1
Gland box <sup>2)</sup>	With one gland plate	3KJ9013-3MC00	12350.-					1
Spare Phase barrier	Lower side	3KJ9003-3CA00	95.-	3KJ9003-4CA00	350.-			1
	Front side					3KJ9003-5CA10	350.-	1
Spare Front drive (Handle)	Plastic	3KJ9006-3FT00	710.-			3KJ9003-5CA20	380.-	1
	Metallic			3KJ9006-4FM00	2050.-	3KJ9006-5FM00	2200.-	1
Spare Shaft		3KJ9007-4GA00	445.-	3KJ9007-4GA00	445.-	3KJ9007-5GA00	445.-	1
		630A 3KJ9008-3HJ00	POR	1000A 3KJ9008-4HL00	POR	2000A 3KJ9008-4HL00	POR	1
Spare pole <sup>3)</sup>		800A 3KJ9008-3HK00		1250A 3KJ9008-4HM00		2500A 3KJ9008-4HM00		1
	Spare Extended link				1600A 3KJ9008-4HN00		3150A 3KJ9008-4HN00	
				1000A 3KJ9012-4LA00	POR			1
				1250A 3KJ9012-4LB00				1
				1600A 3KJ9012-4LC00				1
Spare Bridging bar	Load side connection	630A 3KJ9002-3BF00	POR	1000A 3KJ9002-4BH00	POR	2000A 3KJ9002-5BL20 3KJ9002-5BL30	POR	1
		800A 3KJ9002-3BG00		1250A 3KJ9002-4BJ00		2500A 3KJ9002-5BM20 3KJ9002-5BM30		1
				1600A 3KJ9002-4BK10 3KJ9002-4BK20				1
	Line side connection			3150A 3KJ9002-5BN30 3KJ9002-5BN40 3KJ9002-5BN50	1			
Spare Bridging bar	Line side connection					2000A 3KJ9002-5BL10		1
						2500A 3KJ9002-5BM10		1
						3150A 3KJ9002-5BN10 3KJ9002-5BN20		1

Notes:  
 1) Accessory - Auxiliary switch includes 2units. One each for position I and II  
 2) Accessory - Gland box is to be used with enclosed switches  
 3) Spare pole: For ratings 2000A, 2500A and 3150A. Use 2units of 1000A, 1250A and 1600A  
 POR: Price On Request

Std. Pkg. = 1 unit \* MRP - Max. Retail Price

Load Break Switches



SIVACON

Technology  
Partner

SIEMENS

# When it comes to safety, nothing beats SIVACON

**SIVACON S8 - the only most economical switchboard  
with true closed door trolley disconnection**

The SIVACON S8 low-voltage power distribution switchboard sets new standards of fail-proof safety & service. In conformance to the IEC 61439-1&2, SIVACON S8 guarantees high performance, maximum safety and compact modularity.

## Features

- The only 'Arc Free' switchboards in the world
- SIVACON patented double front PCCs upto 7000A, 150kA
- Patented holeless technology for connections
- Patented ventilation technique
- Combination of fixed, plugin & drawout feeders in the same vertical
- State-of-the-art technology, innovation in design and unmatched performance

[www.siemens.com/sivacon-details](http://www.siemens.com/sivacon-details)

**SIEMENS**



# Main control and EMERGENCY STOP switches 3LD2

- Rated current range: 16A-250A
- Conforms to IEC 60947-3 / UL508
- Can be used for motor & power distribution application



## Main and EMERGENCY-STOP switches with rotary operating mechanism

Front mounting - Four hole mounting  
Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2003-0TK5□	2990.-
	25	9.5	3LD2103-0TK5□	3305.-
	32	11.5	3LD2203-0TK5□	3685.-
	63	22	3LD2504-0TK5□	6315.-
	100	37	3LD2704-0TK5□	9570.-
	125	45	3LD2804-0TK5□	12195.-
	160	75	3LD2305-0TK1□	Price on request
	250	132	3LD2405-0TK1□	Price on request

□ - 1: Black OR  
□ - 3: Red/yellow

## Main control and EMERGENCY-STOP switches with selector switch operating mechanism

Front mounting - Four hole mounting  
Lockable in OFF position with upto 2 padlocks,  
Degree of Protection IP65,  
Including terminal cover for incoming side



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2022-0TK1□	2670.-
	25	9.5	3LD2122-0TK1□	2925.-
	32	11.5	3LD2222-0TK1□	3550.-

□ - 1: Black OR  
□ - 3: Red/yellow

## Changeover switches with selector switch operating mechanism

Front mounting - Four hole mounting  
Selector switch cannot be locked  
Degree of Protection IP65  
Black Actuator



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD2123-7UK01	6550.-
	32	11.5	3LD2223-7UK01	7165.-
	63	22	3LD2524-7UK01	11850.-
	100	37	3LD2724-7UK01	22030.-
	160	75	3LD2305-7UK01	Price on request
	250	132	3LD2405-7UK01	Price on request

## Changeover switch with knob Operated Mechanism In moulded plastic enclosure



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD21657UB01	10485.-
	32	11.5	3LD22657UB01	11920.-
	63	22	3LD25667UB01	25855.-
	100	37	3LD27667UB01	44550.-

## Main and EMERGENCY-STOP switches with door coupling rotary operating mechanism

Panel mounting with 300mm switch shaft -  
Four hole mounting  
Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65  
Including terminal cover for incoming side



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2013-0TK5□	4790.-
	25	9.5	3LD2113-0TK5□	5320.-
	32	11.5	3LD2213-0TK5□	5865.-
	63	22	3LD2514-0TK5□	7030.-
	100	37	3LD2714-0TK5□	11550.-
	125	45	3LD2814-0TK5□	14425.-
	160	75	3LD2318-0TK1□	Price on request
	250	132	3LD2418-0TK1□	Price on request

□ - 1: Black OR  
□ - 3: Red/yellow

## Main control and EMERGENCY-STOP switches In Moulded plastic enclosures

Lockable in OFF position with upto 3 padlocks,  
Degree of Protection IP65,  
with centre hole mounting  
with N and/or PE ground terminals



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2064-0TB5□	4260.-
	25	9.5	3LD2164-0TB5□	4620.-
	32	11.5	3LD2264-0TB5□	5490.-
	63	22	3LD2565-0TB5□	9090.-
	100	37	3LD2766-0TB5□	20660.-
	125	45	3LD2866-0TB5□	37390.-

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

Std. Pkg. = 1 unit \* LP - List Price

### Configurator for 3LD

- Ready-to-install version
- Application specific switches
- Accessories



## Accessories for 3LD2

Mounting	Description	For Switch	Type	Unit LP* ₹	Std. pkg. (nos.)		
For front mounting switch	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 (25A) and 3LD22 (32A)	3LD92200B	1345.-	1		
		3LD25 (63A)	3LD92500BA	1975.-	1		
		3LD27 (100A) and 3LD28 (125A)	3LD92800B	2455.-	1		
		3LD23 (160A) and 3LD24 (250A)	3LD92400B	Price on request	1		
	N or PE terminal Continuous	3LD20 (16A)	3LD92002B	900.-	1		
		3LD21 (25A) and 3LD22 (32A)	3LD92202B	1025.-	1		
		3LD25 (63A)	3LD92502BA	1350.-	1		
		3LD27 (100A) and 3LD28 (125A)	3LD92802B	1640.-	1		
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD23 (160A) and 3LD24 (250A)	3LD92402B	Price on request	1		
		3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD92005B	1495.-	1		
		For floor and distribution board mounting switch or 3LD2 switch in moulded-plastic enclosure	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 (25A) and 3LD22 (32A)	3LD92200C	1345.-	1
			3LD25 (63A)	3LD92500CA	1975.-	1	
3LD27 (100A) and 3LD28 (125A)	3LD92800C		2455.-	1			
3LD23 (160A) and 3LD24 (250A)	3LD92400C		Price on request	1			
N or PE terminal Continuous	3LD20 (16A)	3LD92002C	1220.-	1			
	3LD21 (25A) and 3LD22 (32A)	3LD92202C	1025.-	1			
	3LD25 (63A)	3LD92502CA	1350.-	1			
	3LD27 (100A) and 3LD28 (125A)	3LD92802C	1640.-	1			
Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD23 (160A) and 3LD24 (250A)	3LD92402C	Price on request	1			
	3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD92005C	1420.-	1			
	Terminal cover for touch protection can be snapped on at top & bottom for front, floor and distribution board mounting	4 pole	3LD20 (16A)	3LD92011A	460.-	4	
		3 pole	3LD21 (25A) and 3LD22 (32A)	3LD92210A	425.-	4	
3 pole		3LD25 (63A)	3LD92510A	475.-	4		
1 pole		3LD27 (100A) and 3LD28 (125A)	3LD92812A	230.-	4		
1 pole		3LD23 (160A) and 3LD24 (250A)	3LD92412A	Price on request	4		
For front (four hole mounting only) and floor mounting switch or 3LD2 switch in moulded-plastic enclosure	Auxiliary switch, front-mounted, for long leading times 1NO+1NC, lagging switch-on, leading switch-off (20 ms to 150 ms)	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD92805D	Price on request	1		
		3LD23 and 3LD24	3LD92405D	Price on request	1		

3LD2 maintenance and repair switches with EMC shield plate.  
Please contact your nearest Siemens partner for further details.



## Spares & accessories for motor control switches\*\*

## Motor control switches 3LA0

Description		Motor output 415V, 50Hz, 3Ph kW	Type	Unit LP* ₹	Std. pkg. (nos.)
Open execution	On/Off	7.5	3LA0201-1YA	2480.-	10
		30	3LA0601-1YB	5760.-	5
	System selector	5.5	3LA0202-1YA	2830.-	10
		30	3LA0602-1YB	8055.-	5
	Reversing	5.5	3LA0203-1YA	2830.-	10
		30	3LA0603-1YB	8055.-	5
	Star-delta	12	3LA0204-5YA	3990.-	10
		30	3LA0604-1YB	10965.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	2830.-	10
		5.5	3LA0205-1YA	3810.-	10
5.5		3LA0205-3YA	5475.-	10	

Description	Type	Unit LP* ₹	Std. pkg. (nos.)
Ball handle – Black	3LX0 211-1YA	150.-	10
Machine handle – Black	3LX0 611-2YA	405.-	10
Indicating dial for size 2	3LX0 220-1YA	115.-	10
Indicating dial for size 6	3LX0 620-1YA	115.-	10
Catching lever for the drive mechanism of size 2switch (2 nos. reqd. per switch)	3LY0 220-2YA	115.-	10
Tension spring for the drive mechanism of size 2 switch	3LY0 210-1YA	105.-	10

\*\* All parts supplied loose in polythene bags.

## Heavy duty switches 3LA0

No. of poles	Rated current		Open execution		
	AC 22A	AC 23A	Type	Unit LP* ₹	Std. pkg. (nos.)
2	25	16	3LA0205-4YA	1700.-	10
	63	52	3LA0605-1YB	4085.-	5
4	25	16	3LA0205-5YA	2830.-	10
	63	52	3LA0605-2YB	7450.-	5

\* LP - List Price



# 3LD4 Control Switches

- Compact and flexible design
- Double break contacts ensures high reliability
- Suitable for ambient temperatures up to 50°C
- Quick and easy installation
- High electrical and mechanical life

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## 3LD4 Control Switches

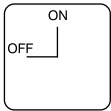
The 3LD4 Control Switches are cam operated switches suitable for use in a wide variety of control and auxiliary circuit applications.

- Conforms to IEC 60947-3, IEC 60947-5
- Range 6A to 100A
- Suitable for AC21A, AC-15 Utilization category
- Suitable for ambient up to 50°C
- Double break contacts for reliable operation
- Terminals designed for easy and fast installation



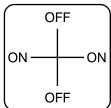
## ON OFF Switches

### 90° operation



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1AA00-ORCO	1 Pole	170.-	320.-	380.-	400.-	415.-	515.-	655.-	765.-	3990.-	1
3LD4 ___ 2AA00-ORCO	2 Pole	215.-	365.-	430.-	480.-	500.-	595.-	780.-	975.-	4985.-	
3LD4 ___ 3AA00-ORCO	3 Pole	230.-	430.-	505.-	550.-	655.-	730.-	915.-	1315.-	6135.-	
3LD4 ___ 4AA00-ORCO <b>NEW</b>	4 Pole	285.-	470.-	540.-	660.-	805.-	865.-	1045.-	1580.-	7185.-	

### 90° Operation with complete rotation

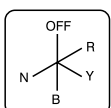
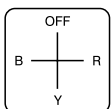


Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BC00-ORCO	1 Pole	165.-	320.-	380.-	400.-	405.-	505.-	650.-	760.-	3990.-	1
3LD4 ___ 2BC00-ORCO	2 Pole	215.-	365.-	430.-	480.-	500.-	595.-	780.-	975.-	4985.-	
3LD4 ___ 3BC00-ORCO	3 Pole	230.-	430.-	505.-	550.-	655.-	730.-	915.-	1315.-	6135.-	
3LD4 ___ 4BC00-ORCO <b>NEW</b>	4 Pole	285.-	470.-	540.-	660.-	805.-	865.-	1045.-	1580.-	7185.-	

\* Fill in the 5th, 6th & 7th of the type nos with the digits in ( ) to get complete MLFB  
e.g. for 6A 3 Pole ON OFF Switch the complete type no will be 3LD40013AA00-ORCO

## Instrumentation Selector Switch

### Ammeter Selector Switch (ASS)



Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line currents with OFF	6A	3LD40014DC200RCO	350.-	1
	10A	3LD41024DC200RCO	420.-	
	16A	3LD41034DC200RCO	535.-	
	20A	3LD41044DC200RCO	600.-	
Line currents with Neutral with OFF	6A	3LD40014DD200RCO	345.-	
	10A	3LD41024DD200RCO	415.-	
	16A	3LD41034DD200RCO	525.-	
	20A	3LD41044DD200RCO	670.-	

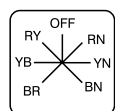
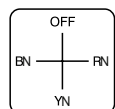
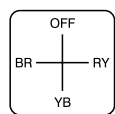


\* LP - List Price



# 3LD4 Control Switches

## Voltmeter Selector Switch (VSS)

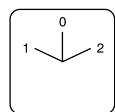


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line voltages with OFF	6A	3LD40014DC300RC0	255.-	1
	10A	3LD41024DC300RC0	380.-	
	16A	3LD41034DC300RC0	485.-	
	20A	3LD41044DC300RC0	550.-	
Phase voltages with OFF	6A	3LD40014DC310RC0	455.-	
	10A	3LD41024DC310RC0	515.-	
	16A	3LD41034DC310RC0	660.-	
	20A	3LD41044DC310RC0	725.-	
Line & Phase voltages with OFF	6A	3LD40014DF300RC0	455.-	
	10A	3LD41024DF300RC0	765.-	
	16A	3LD41034DF300RC0	910.-	
	20A	3LD41044DF300RC0	985.-	



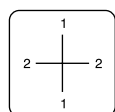
## Changeover Switch

### With OFF (60°)



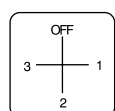
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BB10-ORCO	1P 2W	215.-	395.-	480.-	495.-	505.-	560.-	760.-	1030.-	5155.-	1
3LD4 ___ 2BB10-ORCO	2P 2W	285.-	480.-	540.-	640.-	680.-	800.-	1040.-	1560.-	7540.-	
3LD4 ___ 3BB10-ORCO	3P 2W	350.-	595.-	725.-	895.-	1035.-	1120.-	1315.-	2100.-	9765.-	
3LD4 ___ 4BB10-ORCO <b>NEW</b>	4P 2W	430.-	660.-	835.-	1095.-	1375.-	1445.-	1605.-	2655.-	12445.-	

### Without OFF (90°)



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1PC10-ORCO	1P 2W	215.-	395.-	480.-	485.-	505.-	560.-	760.-	1030.-	5155.-	1
3LD4 ___ 2PC10-ORCO	2P 2W	285.-	480.-	540.-	640.-	680.-	800.-	1040.-	1560.-	7540.-	
3LD4 ___ 3PC10-ORCO	3P 2W	350.-	595.-	725.-	895.-	1035.-	1120.-	1315.-	2100.-	9765.-	
3LD4 ___ 4PC10-ORCO <b>NEW</b>	4P 2W	430.-	660.-	835.-	1095.-	1375.-	1445.-	1605.-	2655.-	12445.-	

## Phase Changeover Switch (PCS)



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1CC10-ORCO	1P 3W	255.-	345.-	405.-	480.-	485.-	605.-	885.-	990.-	4235.-	1



\* Fill in the 5th, 6th & 7th of the type nos with the digits in () to get complete MLFB e.g. for 10A 3 Pole Changeover with OFF (60°) the complete type no will be 3LD41023BB10-ORCO

# 3LD4 Control Switches

## Breaker Control Switch

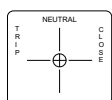
**NEW**

Breaker Control Switch also referred to as **TNC or Trip-Neutral-Close Switch** is used in the control circuit of Low & Medium Voltage panels for switching circuit breakers. BCS switch has three positions – Trip, Neutral & Close used for switching the circuit breaker via auxiliary releases.



### Product Features

- Pistol grip handle for easy operation
- Spring return operation
- High electrical & mechanical life
- Available in 25A & 32A ratings
- Tested as per IEC 60947-5-1



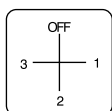
Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
1 Trip + 1 Close	25A	3LD4205-2BB50-ORCO	1420.-	1
	32A	3LD4206-2BB50-ORCO	1675.-	
2 Trip + 2 Close	25A	3LD4205-4BB50-ORCO	1710.-	
	32A	3LD4206-4BB50-ORCO	1995.-	

## Multistep Switch

**NEW**

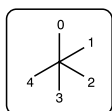


### Multistep 3 Way with OFF



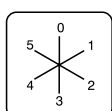
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1CC40-ORCO	1P 3W	255.-	430.-	500.-	515.-	540.-	610.-	865.-	975.-	5285.-	1
3LD4 ___2CC40-ORCO	2P 3W	350.-	505.-	610.-	725.-	830.-	890.-	1280.-	1440.-	7765.-	
3LD4 ___3CC40-ORCO	3P 3W	505.-	675.-	1030.-	1105.-	1225.-	1335.-	1705.-	2230.-	10150.-	
3LD4 ___4CC40-ORCO	4P 3W	650.-	870.-	1250.-	1370.-	1530.-	1685.-	2290.-	2670.-	12820.-	

### Multistep 4 Way with OFF



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1DD40-ORCO	1P 4W	290.-	385.-	725.-	785.-	870.-	970.-	1100.-	1490.-	4675.-	1
3LD4 ___2DD40-ORCO	2P 4W	505.-	730.-	860.-	880.-	920.-	1065.-	1375.-	1740.-	6815.-	
3LD4 ___3DD40-ORCO	3P 4W	705.-	980.-	1365.-	1425.-	1530.-	1760.-	2345.-	2670.-	18765.-	

### Multistep 5 Way with OFF



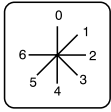
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1EE40-ORCO	1P 5W	325.-	615.-	835.-	945.-	1090.-	1105.-	1365.-	1590.-	4690.-	1
3LD4 ___2EE40-ORCO	2P 5W	595.-	955.-	1110.-	1280.-	1485.-	1740.-	1790.-	2235.-	6810.-	

\* LP - List Price

# Multistep Switch

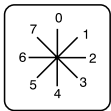
NEW

## Multistep 6 Way with OFF



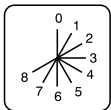
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)		
3LD4 ___ 1FF40-ORCO	1P 6W	425.-	690.-	805.-	885.-	970.-	1130.-	1160.-	1875.-	1	
3LD4 ___ 2FF40-ORCO	2P 6W	705.-	1040.-	1170.-	1320.-	1490.-	1805.-	2310.-	3015.-		

## Multistep 7 Way with OFF



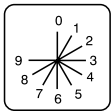
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)		
3LD4 ___ 1GG40-ORCO	1P 7W	430.-	715.-	880.-	965.-	1105.-	1155.-	1200.-	1865.-	1	

## Multistep 8 Way with OFF



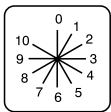
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1HH40-ORCO	1P 8W	490.-	605.-	865.-	1005.-	1

## Multistep 9 Way with OFF



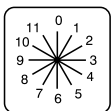
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1JJ40-ORCO	1P 9W	505.-	735.-	895.-	1065.-	1

## Multistep 10 Way with OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1KK40-ORCO	1P 10W	595.-	775.-	1200.-	1615.-	1

## Multistep 11 Way with OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1LL40-ORCO	1P 11W	705.-	845.-	1320.-	1740.-	1

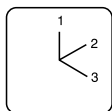
\* Fill in the 5th, 6th & 7th of the type nos with the digits in () to get complete MLFB  
e.g. for 6A 3 Pole Multistep 4 Way with OFF the complete type no will be 3LD40013DD40-ORCO

# Multistep Switch

NEW

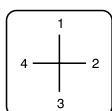


## Multistep 3 Way without OFF



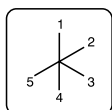
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1QB40-ORCO	1P 3W	240.-	415.-	505.-	515.-	640.-	665.-	1025.-	1155.-	4335.-	1
3LD4 ___ 2QB40-ORCO	2P 3W	350.-	625.-	715.-	780.-	840.-	865.-	1280.-	1515.-	7765.-	
3LD4 ___ 3QB40-ORCO	3P 3W	505.-	780.-	1065.-	1135.-	1225.-	1335.-	1875.-	2230.-	8335.-	
3LD4 ___ 4QB40-ORCO	4P 3W	650.-	870.-	1230.-	1405.-	1555.-	1655.-	3645.-	4025.-	8940.-	

## Multistep 4 Way without OFF



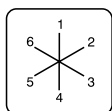
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1RC40-ORCO	1P 4W	275.-	455.-	615.-	670.-	770.-	805.-	1110.-	1550.-	5285.-	1
3LD4 ___ 2RC40-ORCO	2P 4W	395.-	655.-	725.-	835.-	910.-	990.-	1335.-	1740.-	8160.-	
3LD4 ___ 3RC40-ORCO	3P 4W	535.-	640.-	1155.-	1275.-	1445.-	1605.-	1750.-	2330.-	10760.-	

## Multistep 5 Way without OFF



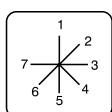
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1SD40-ORCO	1P 5W	325.-	475.-	665.-	760.-	865.-	1065.-	1365.-	1745.-	4670.-	1
3LD4 ___ 2SD40-ORCO	2P 5W	595.-	805.-	910.-	1170.-	1370.-	1475.-	1890.-	2400.-	6710.-	

## Multistep 6 Way without OFF



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1TE40-ORCO	1P 6W	345.-	425.-	830.-	885.-	970.-	1105.-	1285.-	1630.-	7765.-	1
3LD4 ___ 2TE40-ORCO	2P 6W	675.-	820.-	1120.-	1405.-	1715.-	1765.-	1790.-	2285.-	15490.-	

## Multistep 7 Way without OFF



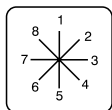
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1UF40-ORCO	1P 7W	425.-	540.-	625.-	870.-	1145.-	1150.-	1375.-	2045.-	1	

\* LP - List Price

# Multistep Switch

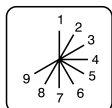
NEW

## Multistep 8 Way without OFF



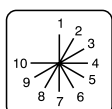
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1VG40-ORCO	1P 8W	430.-	855.-	940.-	1005.-	1

## Multistep 9 Way without OFF



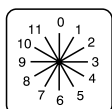
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1WH40-ORCO	1P 9W	505.-	880.-	1495.-	1855.-	1

## Multistep 10 Way without OFF



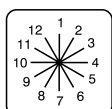
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1XJ40-ORCO	1P 10W	540.-	900.-	1655.-	2230.-	1

## Multistep 11 Way without OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1YK40-ORCO	1P 11W	565.-	920.-	1775.-	2350.-	1

## Multistep 12 Way without OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1ZL40-ORCO	1P 12W	615.-	940.-	1855.-	2380.-	1

\* Fill in the 5th, 6th & 7th of the type nos with the digits in ( ) to get complete MLFB  
e.g. for 6A 1 Pole Multistep 4 Way with OFF the complete type no will be 3LD40013DD40-ORCO

\* LP - List Price







# Power monitoring made simple

Measuring devices and software from the  
SENTRON portfolio

- Ease of operation and visualization
- Scalability
- Cyber Security
- Various communication protocols

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

**SIEMENS**

# Energy Management System

## (A) Hardware Solutions

### Complete Range of Power Monitoring Devices for LV and HV Networks



#### SMART 7KT: Smart metering solutions for load feeders

- Integrated communication facility (MODBUS RTU)
- Inbuilt DI
- Ingress protection upto IP65



for more info scan QR code

#### PAC 3120: Cost Effective Solution for digital measurement

- Display of instantaneous, maximum and minimum values
- Measurement of Active & Reactive Power (Import / Export / Net)
- CT polarity reversal correction from the device

#### PAC 3220: Specialist solution for precise energy data capture

- Dual Metering function
- Dual ethernet interface for MODBUS TCP communication
- Optional communication over PROFIBUS DP and PROFINET

#### PAC 4200: Professional solution for communication and monitoring

- Integrated gateway functionality for MODBUS RTU devices
- Reliable event recording with battery backup
- Sliding window for maximum demand

Description	Type	Unit LP* ₹
SMART 7KT Multifunction Meter	7KT0310	15065.-

Description	Type	Unit LP* ₹
PAC 3120 with integrated RS 485 port for MODBUS RTU Class 0.5 accuracy, screw terminals AC/DC wide voltage power supply 100 ... 250 V ±10% 50/60Hz	7KM3120-0BA01-1DA0#	46295.-
PAC 3220 with integrated dual ethernet port for MODBUS TCP Class 0.5 accuracy, screw terminals With AC/DC wide voltage power supply 100 ... 250 V ±10% 50/60Hz	7KM3220-0BA01-1DA0#	63245.-
PAC 4200 with integrated ethernet port for MODBUS TCP Class 0.2s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10%	7KM4212-0BA00-3AA0#	Price on request

#### Expansion Modules (for PAC3220 and PAC4200)

Description	Type	Unit LP* ₹
PROFIBUS DP expansion module	7KM9300-0AB01-0AA0	22580.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	17435.-
Switched Ethernet PROFINET V3 expansion module	7KM9300-0AE02-0AA0	Price on request
Digital Expansion Module 4DI/2DO <sup>5</sup>	7KM9200-0AB00-0AA0	Price on request
Analog Expansion Module	7KM9200-0AD00-0AA0	Price on request

# For extra low DC voltage (22 ... 65 V DC ± 10 %) option, please contact your nearest Siemens partner.

<sup>5</sup> Maximum 2 nos.can be connected if communication expansion module is not connected.

For exact configuration, please contact the nearest Sales Office.

## (B) Software Solution

Description	Unit LP* ₹
SETRON powermanager 3.6: Complete Energy Management Software	Price on request

Std. Pkg. = 1 unit

\* LP - List Price

#### PAC EXPANSION Modules

7KM PAC 3220      7KM PAC 4200

MODBUS RTU      PROFINET

PROFIBUS DP      I(N), I(Diff), Analog

PAC 4DI/2DO





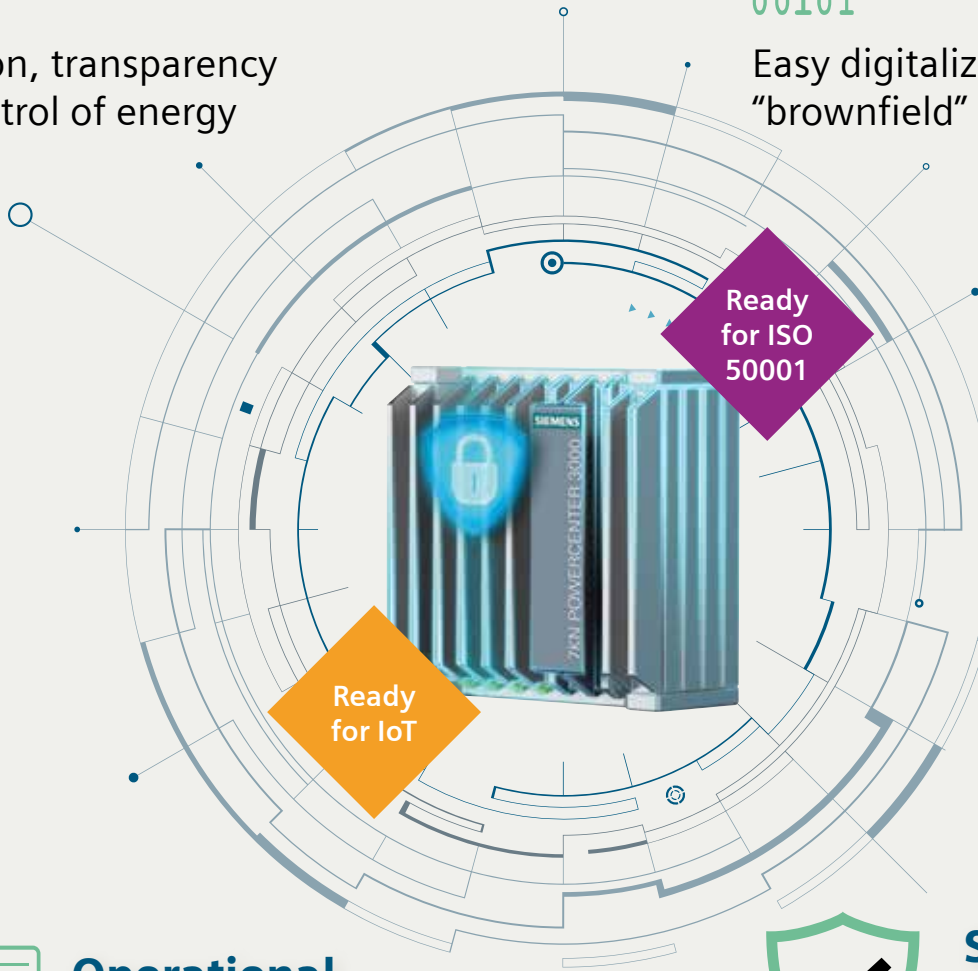
## Energy management

Detection, transparency and control of energy flows

101 0  
1 11101  
0011011  
10101  
00101

## Adaptability to Industry 4.0

Easy digitalization of "brownfield" projects



## Operational flexibility

Choice of visualization via Web Interface, on premise or connect to Cloud



## Safety through reliability

Identifying potential outages at an early stage enable preventing them

# SENTRON Powercenter 3000

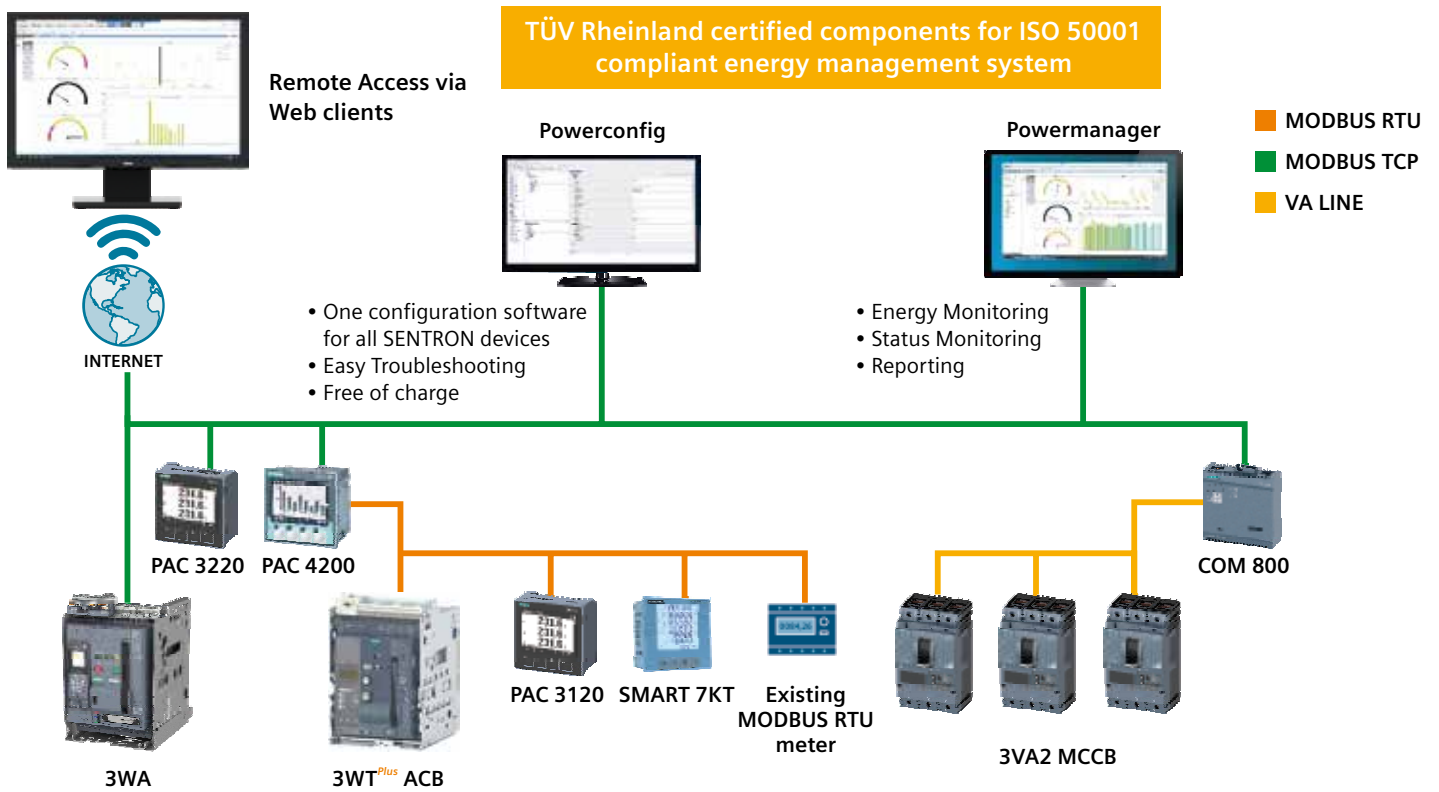
Gateway to the digitalization of low-voltage power distribution

Siemens/SENTRON-Digitalization

# SIEMENS



# Single Platform Energy Management Solution for LV power distribution



Energy Management System



## Power Quality Measurement

### SETRON 7KM PAC 5100/5200

- Measured value capture in accordance with power quality standard IEC 61000-4-30
- Recording of power quality anomalies like sag, swell and interruption
- Integrated web server to set parameters and display measured values on HTML pages

For more details, contact your nearest Siemens partner.

[www.siemens.co.in](http://www.siemens.co.in)

## DIN Rail Mounted Meters for energy monitoring in Infra and Building Applications

Description	Type	Unit LP* ₹
PAC 2200 DIN rail meter with integrated RS 485 port for MODBUS RTU 65A direct connection Class 1 accuracy	7KM2200-2EA40-1DA1	30895.-
PAC 2200 DIN rail meter with integrated ethernet port for MODBUS TCP 65A direct connection Class 1 accuracy	7KM2200-2EA40-1EA1	Price on request
PAC3200T DIN rail meter with integrated ethernet port for MODBUS TCP High accuracy of class 0.5 Without display	7KM3200-0CA01-1AA0	Price on request

Std. Pkg. = 1 unit

\* LP - List Price

### PAC 2200 and PAC 3200T:

Reliable and Easy energy monitoring for DIN rail Applications

- Compact design on standard mounting rail
- Integrated digital input (DI) and Digital output (DO)
- Integrated web server
- Neutral conductor current display
- THD Measurement



Energy Management System

## SENTRON 7KT PAC 1600 DIN Rail mounted compact Energy Meters

- PAC 1600 range of single phase and three phase meters
- Space saving mounting by very slim construction
- Energy counters for active, reactive and apparent energy
- THD: Up to 15<sup>th</sup> harmonics

[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)





# 7KT PAC1200

Multichannel current measuring system for flexible multichannel monitoring in final distribution

## Current Sensors

- Versions: 40 A, 63 A

## Sensor Bar

- Versions available for 3, 6, 9, 12

## Data Manager

- Connection of up to 96 sensors (40A/63A)
- DIN rail installation (4MW)

## Communication/ Software:

- Modbus TCP/ IP
- Simple system onfiguration via web server
- Easy access to energy data with mobile app (iOS/Android)

\*For more details, contact nearest Siemens Sales Office

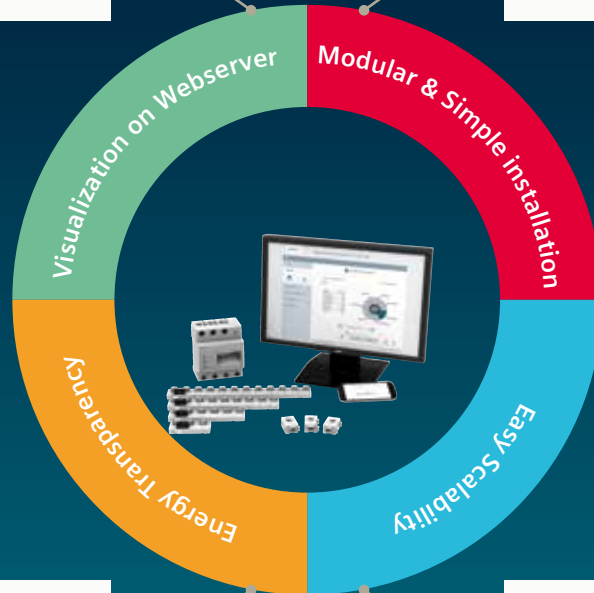
[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

**SIEMENS**

- Modbus TCP/IP communication
- Simple configuration of system via powerconfig V3.18 and web server
- Visualization of consumption via Webserver and Mobile App (Android/iOS)

- Flexible sensor bars and current sensors to record up to 96 circuits in one system
- Current sensors simply plug onto the sensor bars, eliminating extensive wiring

**fast**



plug  
and  
play

- Targeted detection of power guzzlers
- Simultaneous display of power consumption and costs
- Ensures optimal power monitoring

- Easy to Upgrade
- Scale up the system without any interruption or cumbersome wiring



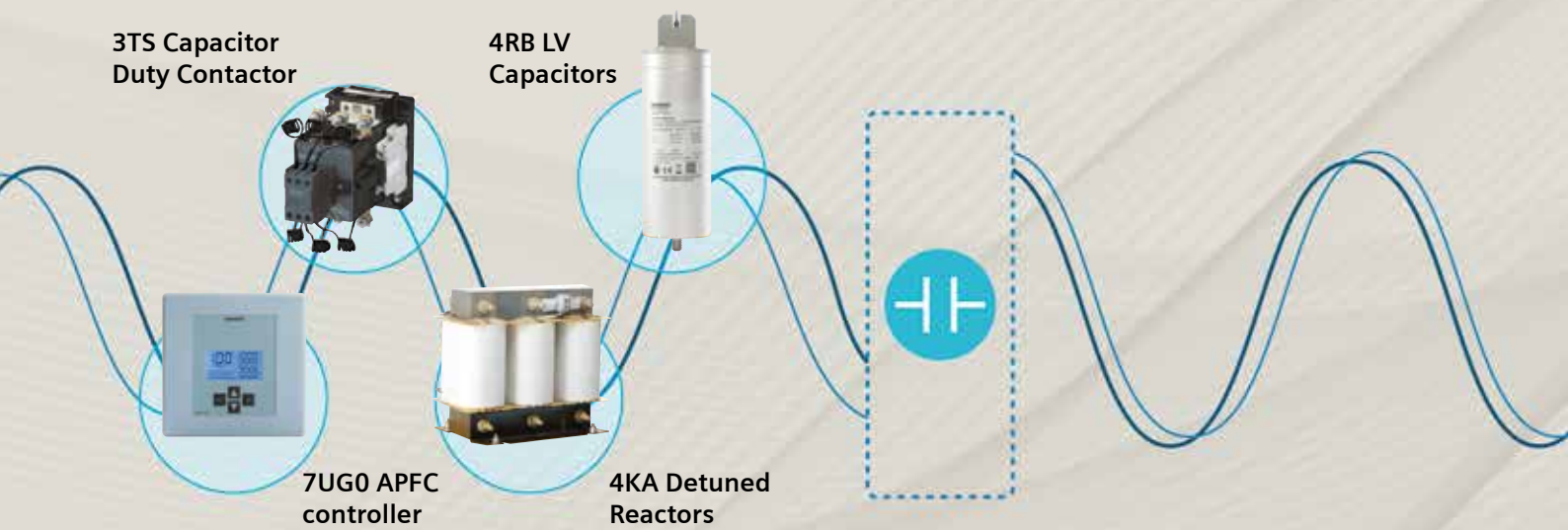
Easy



Transparent



Cost-efficient



# Power Quality Solutions

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

# SIECAP™ LV Power Capacitors

NEW

## ND+ (Normal Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 200.I<sub>N</sub>)
- Long life expectancy upto 100000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
440	0.9	4RB2008-3EE52-8K	365.-	1
	1	4RB2010-3EE52-8K	400.-	1
	1.2	4RB2012-3EE52-8K	475.-	1
	1.5	4RB2015-3EE52-8K	590.-	1
	2.1	4RB2021-3EE52-8K	835.-	1
	2.5	4RB2025-3EE52-8K	990.-	1
	3	4RB2030-3EE52-8K	1195.-	1
	4.2	4RB2042-3EE52-8K	1660.-	1
	5	4RB2050-3EE52-8K	1980.-	1
	6	4RB2060-3EE52-8K	2090.-	1
	7	4RB2070-3EE52-8K	2440.-	1
	7.5	4RB2075-3EE52-8K	2620.-	1
	8.3	4RB2083-3EE52-8K	2900.-	1
	9	4RB2090-3EE52-8K	3140.-	1
	10	4RB2100-3EE52-8K	3495.-	1
	12.5	4RB2125-3EE52-8K	3770.-	1
	15	4RB2150-3EE52-8K	4520.-	1
	16.7	4RB2167-3EE52-8K	5025.-	1
	20	4RB2200-3EE52-8K	6015.-	1
	20.8	4RB2208-3EE52-8K	6265.-	1
25	4RB2250-3EE52-8K	7535.-	1	
28	4RB2280-3EE52-8K	8435.-	1	
30	4RB2300-3EE52-8K	9040.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	1	4RB2010-3EJ52-8K	420.-	1
	1.5	4RB2015-3EJ52-8K	625.-	1
	2	4RB2020-3EJ52-8K	825.-	1
	2.5	4RB2025-3EJ52-8K	1025.-	1
	4.2	4RB2042-3EJ52-8K	1740.-	1
	5	4RB2050-3EJ52-8K	1825.-	1
	5.5	4RB2055-3EJ52-8K	2270.-	1
	8.3	4RB2083-3EJ52-8K	3030.-	1
	10.4	4RB2104-3EJ52-8K	3795.-	1
	11.1	4RB2111-3EJ52-8K	3870.-	1
	12.5	4RB2125-3EJ52-8K	3970.-	1
	13.8	4RB2138-3EJ52-8K	4380.-	1
	15	4RB2150-3EJ52-8K	4760.-	1
	16.7	4RB2167-3EJ52-8K	5290.-	1
	20.8	4RB2208-3EJ52-8K	6600.-	1
	25	4RB2250-3EJ52-8K	7925.-	1
	27.7	4RB2277-3EJ52-8K	8785.-	1
	30	4RB2300-3EJ52-8K	9515.-	1

# Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details.

For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.

Power Quality Solutions



Std. Pkg. = 1 unit

\* LP - List Price



# SIECAP™ LV Power Capacitors

NEW



## HD (Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (up to  $250.I_N$ )
- Long life expectancy up to 130000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB2050-3EB53-8K	2430.-	1
	7.5	4RB2075-3EB53-8K	3635.-	1
	10.4	4RB2104-3EB53-8K	5040.-	1
	12.5	4RB2125-3EB53-8K	5470.-	1
	15	4RB2150-3EB53-8K	6565.-	1
	20	4RB2200-3EB53-8K	8755.-	1
	25	4RB2250-3EB53-8K	10940.-	1
440	1	4RB2010-3EE53-8K	500.-	1
	2	4RB2020-3EE53-8K	1005.-	1
	3	4RB2030-3EE53-8K	1500.-	1
	4	4RB2040-3EE53-8K	2005.-	1
	5	4RB2050-3EE53-8K	2505.-	1
	7.5	4RB2075-3EE53-8K	3635.-	1
	10	4RB2100-3EE53-8K	4845.-	1
	12.5	4RB2125-3EE53-8K	5470.-	1
	15	4RB2150-3EE53-8K	6565.-	1
	20	4RB2200-3EE53-8K	8755.-	1
	25	4RB2250-3EE53-8K	10940.-	1
	28.1	4RB2281-3EE53-8K	12290.-	1
	30	4RB2300-3EE53-8K	13125.-	1

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	5	4RB2050-3EJ53-8K	2505.-	1
	6.3	4RB2063-3EJ53-8K	3150.-	1
	8.3	4RB2083-3EJ53-8K	4150.-	1
	10.4	4RB2104-3EJ53-8K	4720.-	1
	11	4RB2110-3EJ53-8K	4990.-	1
	12.5	4RB2125-3EJ53-8K	5665.-	1
	13.8	4RB2138-3EJ53-8K	6260.-	1
	15	4RB2150-3EJ53-8K	6800.-	1
	16.7	4RB2167-3EJ53-8K	7565.-	1
	18.7	4RB2187-3EJ53-8K	8475.-	1
	20	4RB2200-3EJ53-8K	9070.-	1
	22	4RB2220-3EJ53-8K	9965.-	1
	25	4RB2250-3EJ53-8K	11325.-	1
	28.1	4RB2281-3EJ53-8K	12735.-	1
	525	30	4RB2300-3EJ53-8K	13590.-
5		4RB2050-3FC53-8K	2580.-	1
6.3		4RB2063-3FC53-8K	3260.-	1
8.3		4RB2083-3FC53-8K	4285.-	1
10.4		4RB2104-3FC53-8K	4875.-	1
12.5		4RB2125-3FC53-8K	5865.-	1
13.2		4RB2132-3FC53-8K	6190.-	1
15		4RB2150-3FC53-8K	7030.-	1
16.7		4RB2167-3FC53-8K	7840.-	1
20		4RB2200-3FC53-8K	9375.-	1
25		4RB2250-3FC53-8K	11720.-	1
26.5		4RB2265-3FC53-8K	12425.-	1
30		4RB2300-3FC53-8K	14065.-	1
33.1		4RB2331-3FC53-8K	15515.-	1

# Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details.

For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.



Std. Pkg. = 1 unit

\* LP - List Price



# SIECAP™ LV Power Capacitors



## SHD (Super Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 500.I<sub>N</sub>)
- Long life expectancy upto 200000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB1050-3EB50-8K	2770.-	1
	6.3	4RB1063-3EB50-8K	3485.-	1
	7.5	4RB1075-3EB50-8K	4145.-	1
	10.4	4RB1104-3EB50-8K	5755.-	1
	12.5	4RB1125-3EB50-8K	6245.-	1
	15	4RB1150-3EB50-8K	7495.-	1
	20	4RB1200-3EB50-8K	9995.-	1
	25	4RB1250-3EB50-8K	12495.-	1
	28.1	4RB1281-3EB50-8K	14035.-	1
	30	4RB1300-3EB50-8K	14990.-	1
	33	4RB1330-3EB50-8K	16490.-	1
440	1	4RB1010-3EE50-8K	565.-	1
	2	4RB1020-3EE50-8K	1145.-	1
	3	4RB1030-3EE50-8K	1710.-	1
	4	4RB1040-3EE50-8K	2290.-	1
	5	4RB1050-3EE50-8K	2860.-	1
	7.5	4RB1075-3EE50-8K	4145.-	1
	10	4RB1100-3EE50-8K	5535.-	1
	10.4	4RB1104-3EE50-8K	5755.-	1
	12.5	4RB1125-3EE50-8K	6245.-	1
	15	4RB1150-3EE50-8K	7495.-	1
	16.7	4RB1167-3EE50-8K	8345.-	1
	20	4RB1200-3EE50-8K	9995.-	1
	25	4RB1250-3EE50-8K	12495.-	1
	28.1	4RB1281-3EE50-8K	14035.-	1
	30	4RB1300-3EE50-8K	14990.-	1
	33.1	4RB1331-3EE50-8K	16540.-	1

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB1050-3EJ50-8K	2860.-	1	
	6.3	4RB1063-3EJ50-8K	3595.-	1	
	8.3	4RB1083-3EJ50-8K	4740.-	1	
	10.4	4RB1104-3EJ50-8K	5385.-	1	
	11	4RB1111-3EJ50-8K	5700.-	1	
	12.5	4RB1125-3EJ50-8K	6470.-	1	
	13.8	4RB1138-3EJ50-8K	7150.-	1	
	15	4RB1150-3EJ50-8K	7765.-	1	
	16.7	4RB1167-3EJ50-8K	8640.-	1	
	18.7	4RB1187-3EJ50-8K	9680.-	1	
	20	4RB1200-3EJ50-8K	10355.-	1	
	22	4RB1220-3EJ50-8K	11385.-	1	
	25	4RB1250-3EJ50-8K	12935.-	1	
	28.1	4RB1281-3EJ50-8K	14540.-	1	
	30	4RB1300-3EJ50-8K	15520.-	1	
	31	4RB1310-3EJ50-8K	16045.-	1	
	33	4RB1330-3EJ50-8K	17085.-	1	
	525	5	4RB1050-3FC50-8K	2945.-	1
		6.3	4RB1063-3FC50-8K	3720.-	1
8.3		4RB1083-3FC50-8K	4890.-	1	
10.4		4RB1104-3FC50-8K	5565.-	1	
12.5		4RB1125-3FC50-8K	6695.-	1	
13.2		4RB1132-3FC50-8K	7070.-	1	
15		4RB1150-3FC50-8K	8030.-	1	
16.7		4RB1167-3FC50-8K	8950.-	1	
20		4RB1200-3FC50-8K	10705.-	1	
25		4RB1250-3FC50-8K	13385.-	1	
26.5		4RB1265-3FC50-8K	14190.-	1	
30		4RB1300-3FC50-8K	16065.-	1	
33.1		4RB1331-3FC50-8K	17720.-	1	
690		5.3	4RB1053-3GK50-8K	2930.-	1
		6.9	4RB1068-3GK50-8K	3825.-	1
	10.4	4RB1104-3GK50-8K	5755.-	1	
	12.5	4RB1125-3GK50-8K	6920.-	1	
	14.6	4RB1146-3GK50-8K	8080.-	1	
	20	4RB1200-3GK50-8K	11065.-	1	
	25	4RB1250-3GK50-8K	13835.-	1	

# Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details

For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.

Std. Pkg. = 1 unit

\* LP - List Price

# Harmonics filter

## Detuned reactor

### Features

- Insulation class H
- High linearity
- Temperature control via micro switch
- Low losses and low noise



### Copper Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1220-1AC01-0AA0	16500.-
10kvar	5.67%	4KA1220-3AC01-0AA0	19580.-
12.5kvar	5.67%	4KA1220-4AC01-0AA0	22920.-
15kvar	5.67%	4KA1220-5AC01-0AA0	24760.-
20kvar	5.67%	4KA1220-6AC01-0AA0	26480.-
25kvar	5.67%	4KA1220-7AC01-0AA0	28330.-
50kvar	5.67%	4KA1220-2BC01-0AA0	45930.-
5kvar	7%	4KA1220-1AA01-0AA0	16490.-
10kvar	7%	4KA1220-3AA01-0AA0	22620.-
12.5kvar	7%	4KA1220-4AA01-0AA0	24420.-
15kvar	7%	4KA1220-5AA01-0AA0	28200.-
20kvar	7%	4KA1220-6AA01-0AA0	30040.-
25kvar	7%	4KA1220-7AA01-0AA0	31610.-
50kvar	7%	4KA1220-2BA01-0AA0	56320.-
75kvar	7%	4KA1220-3BA03-0AA0	78980.-
100kvar	7%	4KA1220-4BA03-0AA0	99410.-
5kvar	14%	4KA1220-1AB01-0AA0	21710.-
10kvar	14%	4KA1220-3AB01-0AA0	36300.-
12.5kvar	14%	4KA1220-4AB01-0AA0	36430.-
15kvar	14%	4KA1220-5AB01-0AA0	42660.-
20kvar	14%	4KA1220-6AB01-0AA0	51910.-
25kvar	14%	4KA1220-7AB01-0AA0	58370.-
50kvar	14%	4KA1220-2BB01-0AA0	94780.-
75kvar	14%	4KA1220-3BB03-0AA0	121260.-
100kvar	14%	4KA1220-4BB03-0AA0	168640.-

### Aluminium Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1420-1AC01-0AA0	12260.-
10kvar	5.67%	4KA1420-3AC01-0AA0	15630.-
12.5kvar	5.67%	4KA1420-4AC01-0AA0	17130.-
15kvar	5.67%	4KA1420-5AC01-0AA0	20260.-
20kvar	5.67%	4KA1420-6AC01-0AA0	23100.-
25kvar	5.67%	4KA1420-7AC01-0AA0	23390.-
50kvar	5.67%	4KA1420-2BC01-0AA0	42560.-
5kvar	7%	4KA1420-1AA01-0AA0	13050.-
10kvar	7%	4KA1420-3AA01-0AA0	16790.-
12.5kvar	7%	4KA1420-4AA01-0AA0	18570.-
15kvar	7%	4KA1420-5AA01-0AA0	20930.-
20kvar	7%	4KA1420-6AA01-0AA0	22290.-
25kvar	7%	4KA1420-7AA01-0AA0	23840.-
50kvar	7%	4KA1420-2BA01-0AA0	40990.-
75kvar	7%	4KA1420-3BA03-0AA0	55690.-
100kvar	7%	4KA1420-4BA03-0AA0	72830.-
5kvar	14%	4KA1420-1AB01-0AA0	17770.-
10kvar	14%	4KA1420-3AB01-0AA0	26650.-
12.5kvar	14%	4KA1420-4AB01-0AA0	29000.-
15kvar	14%	4KA1420-5AB01-0AA0	34330.-
20kvar	14%	4KA1420-6AB01-0AA0	38120.-
25kvar	14%	4KA1420-7AB01-0AA0	46510.-
50kvar	14%	4KA1420-2BB01-0AA0	82280.-

Power Quality Solutions



\* LP - List Price

# 3TS Capacitor duty Contactors

Now in **NEW**  
TI - GREY

The 3TS capacitor duty contactor (with **patented** de-latching technology) provides a reliable and economical solution for capacitor switching applications.

## Features and Benefits

- De-latching operating principle
- SIGUT Termination technique
- Finger touch proof terminals
- Compact Dimensions
- DIN / Screw mounting
- Reliable switching of capacitor banks
- Ease of wiring (can obviate use of lugs)
- Operator Safety
- Space saving
- Flexible mounting



Capacitor kVAr 415V, 3ph, 50Hz	Built-in aux. contacts	Type®	Unit LP ₹	Built-in aux. contacts	Type®	Unit LP ₹	Std. pkg. (nos.)
5 kvar <b>NEW</b>	1 NO	3TS2110-0A..5-8K†	2305.-				
7 kvar	1 NO	3TS1110-0A..5-8K†	2535.-				
10 kvar <b>NEW</b>	–	3TS2200-0A..5-8K†	2750.-	1NO+1NC	3TS2211-0A..5-8K	3155.-	
12.5 kvar	–	3TS1200-0A..5-8K†	2820.-	1NO+1NC	3TS1211-0A..5-8K	3225.-	1
16 kvar	–	3TS1300-0A..5-8K†	3875.-	1NO+1NC	3TS1311-0A..5-8K	4275.-	1
20 kvar	–	3TS1400-0A..5-8K†	4365.-	1NO+1NC	3TS1411-0A..5-8K	4755.-	1
25 kvar	–	3TS1500-0A..5-8K†	5045.-	1NO+1NC	3TS1511-0A..5-8K	5450.-	1
30 kvar <b>NEW</b>	–	3TS2500-0A..5-8K†	7855.-	1NO+1NC	3TS2511-0A..5-8K	8260.-	1
40 kvar <b>NEW</b>	2 NO + 2 NC	3TS2722-0A..5-8K	13335.-				
50 kvar	2 NO + 2 NC	3TS1722-0A..5-8K	15610.-				

† Facility to add one contact block of 1NO / 1NC

@ AC 50Hz coil code - Please enter coil codes from table below

Code	For 3TS contactors		
	F0	P0	R0
Coil voltage (V)	110	230	415

Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	■ 3TX4010-2A	215.-	10
	1NC	■ 3TX4001-2A	215.-	10

# 3MT7 Capacitor Duty Contactors **NEW**

Capacitor kVar 440V AC, 3Ph, 50Hz	Built-in aux. contacts	Type	Unit LP ₹	Std. pkg. (nos.)
60kVar	1NO+2NC	3MT70060JA126A..	16590.-	1
80kVar	1NO+2NC	3MT70080JA126A..	20365.-	1
100kVar	1NO+2NC	3MT70100JA126A..	21165.-	1

Please add coil code from adjacent table

Note: For SIRIUS 3RT26 Capacitor Duty Contactors - Please contact Siemens

Refer Page No 41 for Capacitor Duty Contactor Spares

Coil 50/60Hz for 60 kvar contactor					
Coil Code	C2	G2	N2	P2	R2
Voltage	24V AC	110V AC	■ 220V AC	■ 240V AC	415V AC

Coil 50Hz for 80 & 100 kvar contactors					
Coil Code	F0	M0	U0	V0	
Voltage	110V AC	■ 220V AC	■ 240V AC	415V AC	



# Automatic Power Factor Correction Relay (APFC relay)

## Features

- Easy accessibility of parameters
- Universal control supply—optimizing the no of variants
- Automatic/ Linear/ rotational switching modes of banks
- Selectable 1A/ 5A current input
- LCD version with RS485 Communication MODBUS RTU Protocol
- Confirms to IEC60947-5-1, carry CE and RoHS Compliant



for more info scan QR code



7UG0572-1GT20

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display	7UG0571-1FT20	20590.-
	12 Stage with LCD display	7UG0572-1GT20	22050.-
	12 stage with LED display	7UG0572-1GT21	12610.-

\* LP - List Price



# Siemens Reyrolle Protection Relays

Relays for every application

## Applications

- Feeder Protection
- Motor Protection
- Transformer Protection

## Features

- Non Drawout / Drawout variants
- Programmable Tri-color LED's
- Communication: MODBUS RTU / IEC 103 and optional IEC 61850
- 1000 events / 10 disturbance records
- Programmable logic editor
- Easy Parameterization & Monitoring with ReyDisp Software

[www.siemens.com/Reyrolle](http://www.siemens.com/Reyrolle)

**SIEMENS**

# Portfolio Overview

Feeder Protection

Non-Directional  
Fixed



7SR1002 / 3

Directional  
Fixed



7SR1004

Non-Directional  
Drawout



7SR11

Directional  
Drawout



7SR12

Motor Protection

Non-Directional | Fixed



7SR105

Directional | Drawout



7SR17

Transformer Protection

Directional | Drawout

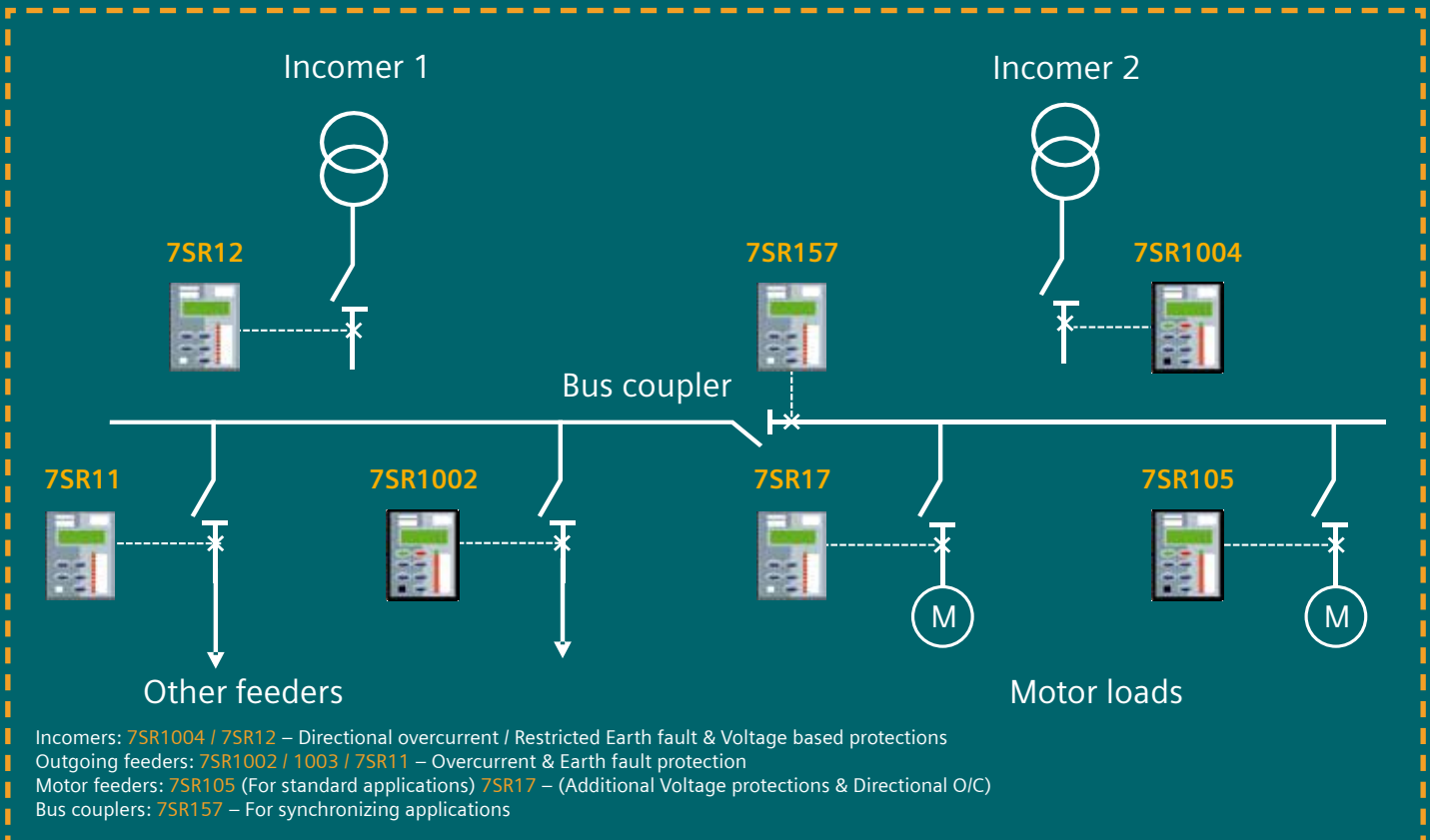


7SR242

Check synchronizing



7SR157





# 7SR Numerical Relays

		Description	Type *	Unit LP ₹
Feeder Protection		<b>Non Drawout   Non Directional</b> overcurrent relay   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 51, 50G/N, 51G/N, 50/51 SEF, 74T/CCS, 81THD, 86	7SR1003-1LA20-2CA0	71555.-
		<b>Non Drawout   Directional</b> overcurrent relay   9 BI 6 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 88V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27/59, 32, 32S, 37, 46BC, 46NPS, 47NPS, 49, 50BF, 51V, 55, 59N, 60CTS, 60VTS, 64H, 67/50, 50SEF, 51G/N, 51SEF, 74T/CCS, 81U/O	7SR1004-4KA20-2CA0	123980.-
		<b>Drawout   Non Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 50AFD, 50BF, 51, 50G/N, 51G/N, 64H, 74T/CCS, 86	7SR1103-1MA12-1CA0	120810.-
		<b>Drawout   Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27, 59, 32, 32S, 37, 46BC, 46NPS, 47, 49, 50, 50AFD, 50BF, 51, 50N, 51N, 51V, 55, 59N, 60CTS, 64H, 67, 74T/CCS, 81U/O, 86	7SR1206-2MA12-1CA0	134755.-
Motor Protection		<b>Non Drawout   Motor Protection Relay</b>   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50/51, 50G/N, 51G/N, 50BCL, 50BF, 74T/CCS, 81B	7SR1053-2LA21-2EA0	103865.-
		<b>Drawout   Motor Protection Relay</b>   3 BI 5 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B	7SR1702-3MA12-1CA0	145730.-
		<b>Drawout   Motor Protection Relay</b>   6 BI 8 BOs 4CT 3VT   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B, 27/59, 32/55, 47, 60CTS, 60VTS, 67/50, 67/51, 67G/N, 81	7SR1706-4MA12-1CA0	170990.-
Transformer Protection		<b>Drawout   Transformer Protection Relay</b>   9 BI 6 BOs 8CT 1VT   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 81HBL2, 81HBL5, 87BD, 87HS, 49, 50, 51, 50G/N, 51G/N, 50BF, 64H, 74TCS/CCS, 37/37G, 46BC, 46NPS	7SR2422-2MA12-0BA0	356850.-

\* For more options on control voltage, BI/BOs, Communication protocols or protection functions please consult nearest Siemens Office

# 7PJ Auxiliary & Trip Relays

		Description	Type	Unit LP ₹
Aux Relays		Auxiliary relay Single Element with self reset contacts with flag, 110V DC, 3NO+2CO, Low burden	7PJ1111-6DA20-0AA0	9185.-
		Auxiliary relay Single Element with self reset contacts with flag, 220V DC, 3NO+2CO, Low burden	7PJ1111-7DA20-0AA0	9185.-
		Auxiliary relay Single Element with self reset contacts without flag, 110V DC, 3NO+2CO, Low burden	7PJ1114-6DA20-0AA0	9185.-
		Auxiliary relay Single Element with self reset contacts without flag, 220V DC, 3NO+2CO, Low burden	7PJ1114-7DA20-0AA0	9185.-
		Auxiliary relay Three Element, hand reset with flag, 110V DC, 2NO, Low burden	7PJ1132-6CA00-0AA0	18450.-
		Auxiliary relay Three Element, hand reset with flag, 220V DC, 2NO, Low burden	7PJ1132-7CA00-0AA0	18450.-
Trip Relays		Trip relay with hand reset contacts with flag, DC 110V, 4NO+1NC, high burden	7PJ1212-6EB01-0AA0	9185.-
		Trip relay with hand reset contacts with flag, DC 220V, 4NO+1NC, high burden	7PJ1212-7EB01-0AA0	9185.-
		TCS relay, 2CO, SR, Aux 24-240VAC/DC, BI 24-240VDC	7PJ1321-5AA21-0AA0	16850.-

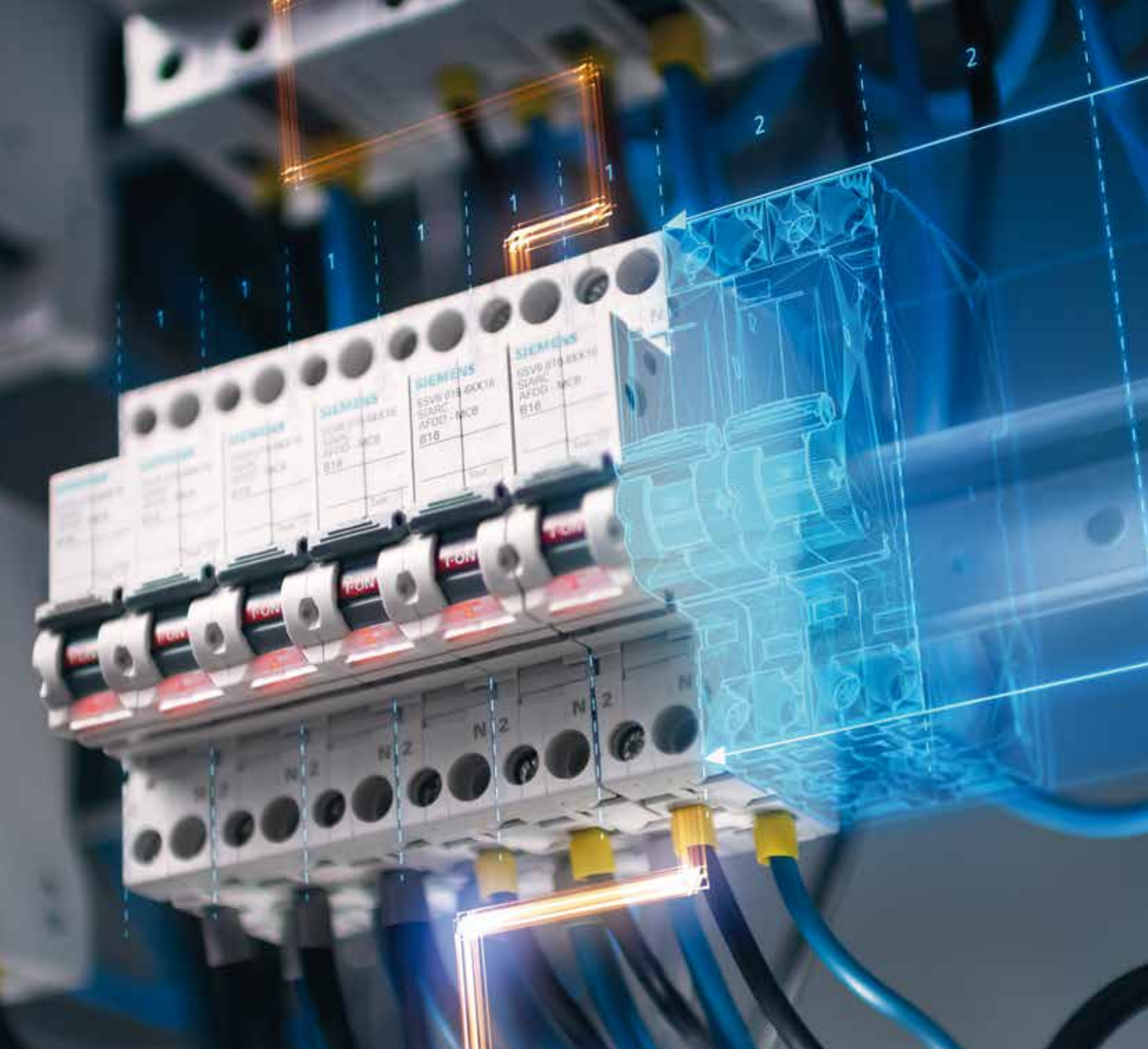
## 7XJ Arc Protection systems



## For more information on Siemens Numerical Relays



\* LP - List Price Std Pkg = 1unit



# Reliable protection by preventing electrical fires

## With Arc Fault Detection Device

With the 5SV6 Arc Fault Detection Device (AFDD), Siemens presents the third generation of fire-prevention product. The 5SV6 Arc Fault Detection Device with integrated miniature circuit breaker (MCB) and residual current breaker operator (RCBO) is the first device on the IEC market with just one module width and is the smallest of its kind worldwide.





A standard-compliant expansion of the electrical installation by protection against electrical fires is thus always possible – easily and without the need for additional space.

[www.siemens.com/afd-units](http://www.siemens.com/afd-units)

# Betagard Miniature Circuit Breakers Type 5SL6 and 5SL4



- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P\*
- With ISI marking: CML No. 2255548

	I <sub>n</sub> A	MW#	7500A		10000A	Std. Pkg. (Nos.)
			Characteristic B	Characteristic C		
1P, 240/415 V AC  	0.5	1	--	5SL61057RC	5SL41057RC	1/12
	1		--	5SL61017RC	--	1/12
	2		--	5SL61027RC	5SL41027RC	1/12
	3		--	5SL61037RC	5SL41037RC	1/12
	4		--	5SL61047RC	5SL41047RC	1/12
	6		5SL61066RC	5SL61067RC	5SL41067RC	1/12
	8		--	5SL61087RC	5SL41087RC	1/12
	10		5SL61106RC	5SL61107RC	5SL41107RC	1/12
	13		--	5SL61137RC	5SL41137RC	1/12
	16		5SL61166RC	5SL61167RC	5SL41167RC	1/12
	20		5SL61206RC	5SL61207RC	5SL41207RC	1/12
	25		5SL61256RC	5SL61257RC	5SL41257RC	1/12
	32		5SL61326RC	5SL61327RC	5SL41327RC	1/12
	40		5SL61406RC	5SL61407RC	5SL41407RC	1/12
	50		5SL61506RC	5SL61507RC	5SL41507RC	1/12
63	5SL61636RC	5SL61637RC	5SL41637RC	1/12		
2P, 415 V AC  	0.5	2	--	5SL62057RC	5SL42057RC	1/6
	1		--	5SL62017RC	--	1/6
	2		--	5SL62027RC	5SL42027RC	1/6
	3		--	5SL62037RC	5SL42037RC	1/6
	4		--	5SL62047RC	5SL42047RC	1/6
	6		5SL62066RC	5SL62067RC	5SL42067RC	1/6
	8		--	5SL62087RC	5SL42087RC	1/6
	10		5SL62106RC	5SL62107RC	5SL42107RC	1/6
	13		--	5SL62137RC	5SL42137RC	1/6
	16		5SL62166RC	5SL62167RC	5SL42167RC	1/6
	20		5SL62206RC	5SL62207RC	5SL42207RC	1/6
	25		5SL62256RC	5SL62257RC	5SL42257RC	1/6
	32		5SL62326RC	5SL62327RC	5SL42327RC	1/6
	40		5SL62406RC	5SL62407RC	5SL42407RC	1/6
	50		5SL62506RC	5SL62507RC	5SL42507RC	1/6
63	5SL62636RC	5SL62637RC	5SL42637RC	1/6		
3P, 415 V AC  	0.5	3	--	5SL63057RC	5SL43057RC	1/4
	1		--	5SL63017RC	--	1/4
	2		--	5SL63027RC	5SL43027RC	1/4
	3		--	--	5SL43037RC	1/4
	4		--	5SL63047RC	5SL43047RC	1/4
	6		5SL63066RC	5SL63067RC	5SL43067RC	1/4
	8		--	--	5SL43087RC	1/4
	10		5SL63106RC	5SL63107RC	5SL43107RC	1/4
	13		--	--	5SL43137RC	1/4
	16		5SL63166RC	5SL63167RC	5SL43167RC	1/4
	20		5SL63206RC	5SL63207RC	5SL43207RC	1/4
	25		5SL63256RC	5SL63257RC	5SL43257RC	1/4
	32		5SL63326RC	5SL63327RC	5SL43327RC	1/4
	40		5SL63406RC	5SL63407RC	5SL43407RC	1/4
	50		5SL63506RC	5SL63507RC	5SL43507RC	1/4
63	5SL63636RC	5SL63637RC	5SL43637RC	1/4		
4P, 415 V AC  	0.5	4	--	5SL64057RC	5SL44057RC	1/3
	1		--	5SL64017RC	--	1/3
	2		--	5SL64027RC	5SL44027RC	1/3
	3		--	--	5SL44037RC	1/3
	4		--	5SL64047RC	5SL44047RC	1/3
	6		5SL64066RC	5SL64067RC	5SL44067RC	1/3
	8		--	--	5SL44087RC	1/3
	10		5SL64106RC	5SL64107RC	5SL44107RC	1/3
	13		--	--	5SL44137RC	1/3
	16		5SL64166RC	5SL64167RC	5SL44167RC	1/3
	20		5SL64206RC	5SL64207RC	5SL44207RC	1/3
	25		5SL64256RC	5SL64257RC	5SL44257RC	1/3
	32		5SL64326RC	5SL64327RC	5SL44327RC	1/3
	40		5SL64406RC	5SL64407RC	5SL44407RC	1/3
	50		5SL64506RC	5SL64507RC	5SL44507RC	1/3
63	5SL64636RC	5SL64637RC	5SL44637RC	1/3		

# 1 MW (Module Width) = 18 mm \* subject to application specific circuit connections. Kindly contact nearest sales office

Refer latest Electrical Installations from A to Z Price List for prices

Miniature Circuit Breakers



# Betagard Circuit Breakers

NEW

## 5SL7 Miniature circuit breaker

- Standards: IS/IEC 60898-1
- Voltage: Un 240/415V, 50...60Hz
- Breaking capacity: upto 15kA
- With ISI marking: CM/L No. 2255548



## 5SL5 Circuit Breakers

- Standards: IS/IEC 60947-2
- Voltage: 220V DC/1P & 440VDC/2P
- Breaking capacity: 10kA as per IS/IEC 60947-2

	Rated current I <sub>n</sub> (A)	MW#				10000A		Std. Pkg. (Nos)
				Characteristic C	Characteristic D	Characteristic C, DC		
	0.5	1	1P, 240/415V AC	5SL71057RC	5SL71058RC	1P, 220V DC	5SL51057RC	1/12
	1			5SL71017RC	5SL71018RC		5SL51017RC	1/12
	2			5SL71027RC	5SL71028RC		5SL51027RC	1/12
	3			--	--		5SL51037RC	1/12
	4			5SL71047RC	5SL71048RC		5SL51047RC	1/12
	6			5SL71067RC	5SL71068RC		5SL51067RC	1/12
	8			--	--		5SL51087RC	1/12
	10			5SL71107RC	5SL71108RC		5SL51107RC	1/12
	16			5SL71167RC	5SL71168RC		5SL51167RC	1/12
	20			5SL71207RC	5SL71208RC		5SL51207RC	1/12
	25			5SL71257RC	5SL71258RC		5SL51257RC	1/12
	32			5SL71327RC	5SL71328RC		5SL51327RC	1/12
	40			5SL71407RC	5SL71408RC		5SL51407RC	1/12
	50			5SL71507RC	5SL71508RC		5SL51507RC	1/12
63	5SL71637RC	5SL71638RC	5SL51637RC	1/12				
	0.5	2	2P, 415V AC	5SL72057RC	5SL72058RC	2P, 440V DC	5SL52057RC	1/6
	1			5SL72017RC	5SL72018RC		5SL52017RC	1/6
	2			5SL72027RC	5SL72028RC		5SL52027RC	1/6
	3			--	--		5SL52037RC	1/6
	4			5SL72047RC	5SL72048RC		5SL52047RC	1/6
	6			5SL72067RC	5SL72068RC		5SL52067RC	1/6
	8			--	--		5SL52087RC	1/6
	10			5SL72107RC	5SL72108RC		5SL52107RC	1/6
	16			5SL72167RC	5SL72168RC		5SL52167RC	1/6
	20			5SL72207RC	5SL72208RC		5SL52207RC	1/6
	25			5SL72257RC	5SL72258RC		5SL52257RC	1/6
	32			5SL72327RC	5SL72328RC		5SL52327RC	1/6
	40			5SL72407RC	5SL72408RC		5SL52407RC	1/6
	50			5SL72507RC	5SL72508RC		5SL52507RC	1/6
63	5SL72637RC	5SL72638RC	5SL52637RC	1/6				
	0.5	3	3P, 415V AC	5SL73057RC	5SL73058RC	--	--	1/4
	1			5SL73017RC	5SL73018RC	--	--	1/4
	2			5SL73027RC	5SL73028RC	--	--	1/4
	4			5SL73047RC	5SL73048RC	--	--	1/4
	6			5SL73067RC	5SL73068RC	--	--	1/4
	10			5SL73107RC	5SL73108RC	--	--	1/4
	16			5SL73167RC	5SL73168RC	--	--	1/4
	20			5SL73207RC	5SL73208RC	--	--	1/4
	25			5SL73257RC	5SL73258RC	--	--	1/4
	32			5SL73327RC	5SL73328RC	--	--	1/4
	40			5SL73407RC	5SL73408RC	--	--	1/4
	50			5SL73507RC	5SL73508RC	--	--	1/4
	63			5SL73637RC	5SL73638RC	--	--	1/4
				0.5	4	4P, 415V AC	5SL74057RC	5SL74058RC
1		5SL74017RC	5SL74018RC	--			--	1/3
2		5SL74027RC	5SL74028RC	--			--	1/3
4		5SL74047RC	5SL74048RC	--			--	1/3
6		5SL74067RC	5SL74068RC	--			--	1/3
10		5SL74107RC	5SL74108RC	--			--	1/3
16		5SL74167RC	5SL74168RC	--			--	1/3
20		5SL74207RC	5SL74208RC	--			--	1/3
25		5SL74257RC	5SL74258RC	--			--	1/3
32		5SL74327RC	5SL74328RC	--			--	1/3
40		5SL74407RC	5SL74408RC	--			--	1/3
50		5SL74507RC	5SL74508RC	--			--	1/3
63		5SL74637RC	5SL74638RC	--			--	1/3

# 1 MW (Module Width) = 18 mm

Refer latest Electrical Installations from A to Z Price List for prices

Circuit Breakers



# | Geared to act *FAST!*

## Siemens range of fuses

Fuses are the fastest & simplest current limiting devices, suitable for protection of lines, systems, devices in both distribution & control circuits.

Available in varied design - with a wide current range, multiple voltage ratings and high short circuit strength. Our fuses are perfectly equipped to minimize the effect of over currents, thus allowing you to protect property as well as lives.

Siemens Fuses offer:

- High switching capacity
- Compact Design
- Low Watt Losses

With Siemens fuses - protection is Easy, Safe and Reliable

[www.siemens.com/fuses](http://www.siemens.com/fuses)

**SIEMENS**



# HRC fuses (DIN) 3NA

- High Breaking capacity of 120kA
- Dual indication for fault detection
- CE marked
- Highly compact: upto 100A in size 000



## Upto 800A, 500V AC, S.C. breaking capacity 120kA

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
000	2	3NA78020RC	425.-	1/6
	4	3NA78040RC	425.-	1/6
	6	3NA78010RC	425.-	1/6
	10	3NA78030RC	425.-	1/6
	16	3NA78050RC	430.-	1/6
	20	3NA78070RC	430.-	1/6
	25	3NA78100RC	430.-	1/6
	32	3NA78120RC	430.-	1/6
	40	3NA78170RC	455.-	1/6
	50	3NA78200RC	455.-	1/6
	63	3NA78220RC	505.-	1/6
	80	3NA78240RC	550.-	1/6
	100	3NA78300RC	550.-	1/6
	00	125	3NA78320RC	665.-
160		3NA78360RC	700.-	1/6
50		3NA71200RC	940.-	1/3
1	63	3NA71220RC	940.-	1/3
	80	3NA71240RC	940.-	1/3
	100	3NA71300RC	940.-	1/3
	125	3NA71320RC	980.-	1/3
	160	3NA71360RC	1015.-	1/3
	200	3NA71400RC	1015.-	1/3
	224	3NA71420RC	1050.-	1/3
2	250	3NA71440RC	1135.-	1/3
	200	3NA72400RC	1400.-	1/3
	250	3NA72440RC	1455.-	1/3
	315	3NA72520RC	1505.-	1/3
	400*	3NA72600RC	1505.-	1/3
3	315	3NA33520RC	2140.-	1/3
	400	3NA33600RC	2140.-	1/3
	500	3NA33650RC	2395.-	1/3
	630	3NA33720RC	2450.-	1/3
	800*	3NA33754RC	2980.-	1/3

\* 400A (Size II) and 800A are rated at 415V AC

## 690V AC, S.C. breaking capacity 120kA

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	40	3NA78176RC	620.-	1/6
	50	3NA78206RC	620.-	1/6
	63	3NA78226RC	665.-	1/6
	80	3NA78246RC	700.-	1/6
1	100	3NA78306RC	700.-	1/6
	125	3NA71326RC	1210.-	1/3
	160	3NA71366RC	1255.-	1/3
2	200	3NA71406RC	1255.-	1/3
	250	3NA72446RC	1660.-	1/3
3	315	3NA72526RC	1780.-	1/3
	400	3NA33606RC	2660.-	1/3
	425	3NA33626RC	2660.-	1/3
3	500	3NA33656RC	2840.-	1/3

## Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	160	■ 3NG1000	455.-	1
1	250	■ 3NG1250	685.-	1
2	400	■ 3NG1300	1120.-	1
3	630	■ 3NG1400	1160.-	1



## Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00/000	160	3NA7 8	■ 3NH3030-ORC (Screw-in)	555.-	1/10
00/000	160	3NA7 8	■ 3NH3032-ORC (Plug in)	590.-	1/10
1	250	3NA7 1	■ 3NH3230-ORC	1115.-	1/5
2	400	3NA7 2	■ 3NH3330-ORC	1575.-	1/5
3	630	3NA3 3	■ 3NH3430-ORC	2270.-	1/5
3	800	3NA3 3	■ 3NH3430-4RC	2685.-	1/5



## Fuse puller

Description	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
Suitable for 3KL8 and all sizes of fuse links/isolating links	■ 3NX1011	2720.-	1
Suitable only for fuse links and isolating links	3NX1010	1135.-	1



## LV HRC contact covers

Size	Type	Unit LP* ₹	Std. pkg.** (nos.)
00/000	3NX3115	600.-	1/10
00/000	3NX3116	375.-	1/10



Note: Prices on request for Touch protection of contact pieces of all sizes

## Fuse & Fuse base for 1000A/1250A (IEC design)

Size	Rating	Type	Unit LP* ₹	Std. pkg.** (nos.)
4	1000A	3NA3480	Price on request	1/ 1
4	1250A	3NA3482		1/ 1
4	1250A	3NH3530 Fuse base		1/ 1



## 690V AC, S.C. breaking capacity 120kA

Size	Rated current (A)	Type	Unit LP* ₹
000	2A	3NA78026	Price on request
	4A	3NA78046	
	6A	3NA78016	
	10A	3NA78036	
	16A	3NA78056	
	20A	3NA78076	
	25A	3NA78106	
	32A	3NA78126	
	35A	3NA78146	

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

■ Stock items      \* LP - List Price      ® MRP - Max. Retail Price



# SENTRON 3NA COM LV HRC fuse link – safety through transparency

Optimize the operation of your plants with consistent data that's constantly available when and where you need it – whether in the cloud using higher-level analysis tools, via a PC using the SENTRON power manager power monitoring software, or directly at the plant via a mobile device using the SENTRON power config mobile app.

In the event of a fault, detecting and locating power failures are time-consuming and costly. Smart local grids are only as smart as their individual components. The measurement and communication-capable 3NA COM LV HRC fuse link makes transformer substations smart and enables them to be integrated in digital systems.

Communication Capable Fuse Link offers:

- Transparency for the local grid transformer station
- Easy retrofit
- Powerful interface for digitalization
- Sustainable and robust design

With Siemens fuses - protection is Easy, Safe and Reliable

[www.siemens.com/fuses](http://www.siemens.com/fuses)

**SIEMENS**

# HRC fuses (BS) 3NW

- 2A-800A
- Rated at 415V AC/240V DC
- Breaking capacity 80kA (AC)



## Blade tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	■ 3NWNS2	120.-	20
4	■ 3NWNS4	120.-	20
6	■ 3NWNS6	120.-	20
10	■ 3NWNS10	120.-	20
16	■ 3NWNS16	120.-	20
20	■ 3NWNS20	140.-	20
25	■ 3NWNS25	140.-	20
32	■ 3NWNS32	140.-	20

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	170.-	20
4	3NWTIA4	170.-	20
6	3NWTIA6	170.-	20
10	■ 3NWTIA10	180.-	20
16	■ 3NWTIA16	180.-	20
20	■ 3NWTIA20	180.-	20
25	■ 3NWTIA25	180.-	20
32	■ 3NWTIA32	180.-	20
40	3NWTIS40	260.-	20
50	■ 3NWTIS50	260.-	20
63	■ 3NWTIS63	260.-	20
80	3NWTCP80	675.-	10
100	■ 3NWTCP100	675.-	10
125	3NWTFP125	1260.-	5
160	3NWTFP160	1260.-	5
200	3NWTFP200	1260.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTTC80	720.-	10
100	3NWTTC100	720.-	10
125	3NWTFC125	1380.-	5
160	3NWTFC160	1380.-	5
200	3NWTFC200	1380.-	5
250	3NWTFC250	1900.-	1
315	3NWTFC315	1900.-	1
355	3NWTFC355	2215.-	1
400	3NWTFC400	2215.-	1
500	3NWTFC500	3485.-	1
630	3NWTFC630	4605.-	1
710	3NWTFC710	5260.-	1
800	3NWTFC800	5260.-	1

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
6	3NWTSA6	140.-	20
10	3NWTSA10	140.-	20
16	3NWTSA16	140.-	20
20	3NWTSA20	140.-	20
25	3NWTSA25	140.-	20
32	3NWTSA32	140.-	20
36	3NWTSS36	285.-	20
40	3NWTSS40	285.-	20
50	3NWTSS50	285.-	20
63	3NWTSS63	285.-	20
80	3NWTSDS80	490.-	20
100	3NWTSDS100	490.-	20
125	3NWTFFP125	670.-	5
160	3NWTFFP160	670.-	5
200	3NWTFFP200	670.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTSDC80	590.-	10
100	3NWTSDC100	590.-	10
125	3NWTSCF125	675.-	5
160	3NWTSCF160	675.-	5
200	3NWTSCF200	675.-	5
250	3NWTSCF250	1490.-	1
315	3NWTSCF315	1490.-	1
355	3NWTSCF355	2485.-	1
400	3NWTSCF400	2485.-	1
450	3NWTSCF450	2160.-	1
500	3NWTSCF500	2160.-	1
560	3NWTSL560	3945.-	1
630	3NWTSL630	3490.-	1
800	3NWTSL800	4820.-	1

## Fuse holders (for fuses type 3NW TIA, TSA, TIS, TSS, TSDS)

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWTM32F9	2390.-	10
63	3NWTM63F9	2810.-	10
100	3NWTM100F9	3095.-	10

## Fuse holders (for fuses Type 3NW NS) & Isolating link

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	255.-	10
32	■ 3NW32NNSF	320.-	10
32A (Iso. Link)	■ 3NW32NNSL	140.-	10

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

■ Stock items

\* MRP - Maximum Retail Price

Please order in multiples of standard packing.

# Fuses for semiconductor protection - SITOR 3NE / 3NC

- Current Range upto 2400A
- Operating voltage: 500V - 2500V AC
- Suitable for mounting in fuse base / SDF / busbars

## 3NE4 type

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
1000	32	3NE4101	gR	1	2730.-	1
	40	3NE4102	gR	1	2740.-	1
	50	3NE4117	gR	1	2880.-	1
	80	3NE4120	aR	1	3110.-	1
	100	3NE4121	aR	1	3410.-	1
	125	3NE4122	aR	1	3660.-	1
	160	3NE4124	aR	1	4030.-	1

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
800	250	3NE43276	aR	-	7255.-	1
	315	3NE43306	aR	-	7490.-	1
	450	3NE43336	aR	-	7830.-	1
	500	3NE43346	aR	-	7895.-	1
	710	3NE43376	aR	-	8830.-	1

## 3NE8 type<sup>1)</sup> 690 V AC

NEW

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
25	3NE80151	gR	00	5550.-	3
35	3NE80031	gR	00	5550.-	3
50	3NE80171	gR	00	5550.-	3
63	3NE80181	gR	00	5550.-	3
80	3NE80201	aR	00	6160.-	3
100	3NE80211	aR	00	6445.-	3
125	3NE80221	aR	00	6540.-	3
160	3NE80241	aR	00	7180.-	3
200	3NE12252	gR	1	18950.-	3
250	3NE12272	gR	1	19595.-	3
315	3NE12302	gR	1	20270.-	3
350	3NE13312	gR	2	26825.-	3
400	3NE13322	gR	2	34450.-	3
450	3NE13332	gR	2	28825.-	3
500	3NE13342	gR	2	29960.-	3
560	3NE14352	gR	3	37225.-	3
630	3NE14362	gR	3	38620.-	3
670	3NE14472	gR	3	39470.-	3
710	3NE14372	gR	3	41155.-	3
800	3NE14382	gR	3	44230.-	3
850	3NE14482	gR	3	48145.-	3

Note: For current ratings > 1600A ,Operating voltage > 2000V AC please contact our nearest sales office.

<sup>1)</sup> Suitable for mounting on fuse base / 3KL8 / 3NP1

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

■ Stock items

\* LP - List Price

Please order in multiples of standard packing.



## 3NE9 type 600 V AC

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
850	3NE94406	gR	-	32050.-	3
1250	3NE9450	aR	-	30205.-	3

## 3NE1 type<sup>1)</sup> 690 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
16	3NE18130	gS	000	6540.-	3
20	3NE18140	gS	000	6540.-	3
25	3NE18150	gS	000	6540.-	3
35	3NE18030	gS	000	6540.-	3
40	3NE18020	gS	000	6540.-	3
50	3NE18170	gS	000	6540.-	3
63	3NE18180	gS	000	6540.-	3
80	3NE18200	gS	000	6540.-	3
100	3NE10210	gS	00	8590.-	3
125	3NE10220	gS	00	8590.-	3
160	3NE12240	gS	1	20830.-	3
200	3NE12250	gS	1	20830.-	3
250	3NE12270	gS	1	21875.-	3
315	3NE12300	gS	1	23455.-	3
350	3NE13310	gS	2	29125.-	3
400	3NE13320	gS	2	29380.-	3
450	3NE13330	gS	2	29560.-	3
500	3NE13340	gS	2	30005.-	3
560	3NE14350	gS	3	30170.-	3
630	3NE14360	gS	3	31475.-	3
710	3NE14370	gS	3	32735.-	3
800	3NE14380	gS	3	38350.-	3

## 3NE8 type 690 V AC / 700V DC

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
20	3NE87141	gR	000	Price on request	10
25	3NE87151	gR	000		10
32	3NE87011	gR	000		10
40	3NE87021	gR	000		10
50	3NE87171	gR	000		10
63	3NE87181	aR	000		10
80	3NE87201	aR	000		10
100	3NE87211	aR	000		10
125	3NE87221	aR	000		10
160	3NE87241	aR	000		10
200	3NE87251	aR	000		10
250	3NE87271	aR	000		10
315	3NE87311	aR	000		10



# Fuses for semiconductor protection - SITOR 3NE / 3NC



**3NE3 type**  
1000 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
100	3NE3221	aR	1	15515.-	3
125	3NE3222	aR	1	15960.-	3
160	3NE3224	aR	1	15960.-	3
200	3NE3225	aR	1	16835.-	3
250	3NE3227	aR	1	17280.-	3
315	3NE32300B	aR	1	17990.-	3
350	3NE3231	aR	1	21360.-	3
400	3NE32320B	aR	1	22880.-	3
450	3NE3233	aR	1	23695.-	3
400	3NE33320B	aR	2	23100.-	3
450	3NE3333	aR	2	24325.-	3
500	3NE33340B	aR	2	24785.-	3
560	3NE3335	aR	2	25715.-	3
630	3NE3336	aR	2	26940.-	3
710*	3NE33378	aR	2	38500.-	3
800*	3NE33388	aR	2	39565.-	3
900*	3NE33408	aR	2	47130.-	3

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
630	3NC33361U	aR	3	Price on request	1/3
710	3NC33371U	aR	3		1/3
800	3NC33381U	aR	3		1/3
900	3NC33401U	aR	3		1/3
1000	3NC33411U	aR	3		1/3
1100	3NC33421U	aR	3		1/3
1250	3NC33431U	aR	3		1/3

\* 710A: 900V AC; 800A: 800V AC; 900A: 690V AC



**3NC type**  
690V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
150	3NC84233C	gR	3	30390.-	3
200	3NC84253C	gR	3	21200.-	3
250	3NC84273C	gR	3	24245.-	3
350	3NC84313C	gR	3	24995.-	3
500	3NC84343C	gR	3	27010.-	3
1000*	3NC84443C	aR	3	49085.-	3

\* 1000A, 600V AC



**3NE5 type**  
1500 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
160	3NE54240C	aR	3	45552.-	2
224	3NE54260C	aR	3	49835.-	2
250	3NE56270C	aR	3	46230.-	3
315	3NE54300C	aR	3	47605.-	2
350	3NE54310C	aR	3	44510.-	2
450	3NE56330C	aR	3	50140.-	3
600	3NE56430C	aR	3	52590.-	3



**3NE7 type**  
2000 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
200	3NE74250U	aR	3	Price on request	2
250	3NE74270U	aR	3		2
350	3NE74310U	aR	3		2
400	3NE74320U	aR	3		2
450	3NE76331U	aR	3		2
525	3NE76481U	aR	3		2
630	3NE76361U	aR	3		2
710	3NE76371U	aR	3		2

## Fuse bases for SITOR fuses

- With bolt-on links or slotted blade contacts
- 1-pole



Version mm	For fuse series	$I_n$ A	$U_n$ V AC / V DC	Con-nection bolt	Type	Unit LP* ₹	Std. pkg. (nos.)	
75	3NC18	50	690	M5	3NH5723	Price on request	1/3	
80	3NE87, 3NC26	315	690	M8	3NH5023		1/3	
	3NE80...3MK	400	690	M10	3NH5323		1/3	
	3NC32...1U, 3NE82...3MK	1600	690	M10	3NH5423			
110	3NC24, 3NC33...1U, 3NC34...1U, 3NC84, 3NE1...-3, 3NE32, 3NE33, 3NE34	1250	1250	M10	3NH5463	Price on request	1/3	
	170	3NE53, 3NE56	630	1800	M10		3NH5473	1/3

Utilization category as per VDE 0636/IEC 60269

Semiconductor aR, gR, gS  
Cable & Conductor gG  
Motor aM

1st letter

a = Partial range of protection (accompanied fuses)  
g = Complete range protection (general purpose fuses)

2nd letter

G(-L) = Cable & conductor protection (general purpose fuses)  
M = Motor protection  
R, S = Semiconductor protection

\*\* Purchase MOQ for our authorised dealers is in multiples of standard packing, contact Siemens Sales Office for further details

\* LP - List Price

**Please order in multiples of standard packing.**

# Cylindrical Fuses (3NW)

- Rated current 0.5A-100A
- Breaking capacity 100kA
- Operational Class gG and aM



## Cylindrical Fuse, Size 10 x 38

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)	
0.5A	10 x 38	500	3NW60001	515.-	1/10	
1A			3NW60111	515.-	1/10	
2A			3NW60021	515.-	1/10	
4A			3NW60041	515.-	1/10	
6A			3NW60011	515.-	1/10	
8A			3NW60081	515.-	1/10	
10A			3NW60031	515.-	1/10	
12A			3NW60061	515.-	1/10	
16A			3NW60051	515.-	1/20	
20A			3NW60071	515.-	1/20	
25A			3NW60101	515.-	1/20	
32A			3NW60121	400	515.-	1/20

## Cylindrical Fuse, Size 14 x 51

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)	
4A	14 x 51	690	3NW61041	575.-	1/10	
6A			3NW61011	575.-	1/10	
8A			3NW61081	575.-	1/10	
10A			3NW61031	575.-	1/10	
12A			3NW61061	575.-	1/10	
16A			3NW61051	575.-	1/10	
20A			3NW61071	575.-	1/10	
25A			3NW61101	575.-	1/10	
32A			3NW61121	675.-	1/10	
40A			3NW61171	500	675.-	1/10
50A			3NW61201	675.-	1/10	



## Cylindrical Fuse, Size 22 x 58

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)	
16A	22 x 58	690	3NW62051	990.-	1/10	
20A			3NW62071	990.-	1/10	
25A			3NW62101	990.-	1/10	
32A			3NW62121	990.-	1/10	
40A			3NW62171	1090.-	1/10	
50A			3NW62201	1090.-	1/10	
63A			500	3NW62221	1090.-	1/10
80A				3NW62241	1090.-	1/10
100A				3NW62301	1210.-	1/10



## Cylindrical Fuse holders

No of Poles	Size	Rating (A)	MW	Type	Unit LP* ₹	Std. pkg.** (nos.)
1P	10 x 38	32A	1	3NW7013	915.-	1/1
	14 x 51	50A	1.5	3NW7111	2910.-	1/1
	22 x 58	100A	2	3NW7211	4755.-	1/1
1+N	10 x 38	32A	1	3NW7053	1875.-	1/1
	14 x 51	50A	3	3NW7151	6020.-	1/1
	22 x 58	100A	4	3NW7251	9750.-	1/1
2P	10 x 38	32A	2	3NW7023	1835.-	1/1
	14 x 51	50A	3	3NW7121	5800.-	1/1
	22 x 58	100A	4	3NW7221	8215.-	1/1
3P	10 x 38	32A	3	3NW7033	2760.-	1/1
	14 x 51	50A	4.5	3NW7131	8690.-	1/1
	22 x 58	100A	6	3NW7231	12245.-	1/1

\* LP - List Price

Note: Prices for 1+N and 3+N Fuse holder on request

### Fuse Systems Available

1. Fuses for Photovoltaic application (DC 1000V / 1500V)
2. NEOZED Fuses & Busbar system up to 100A
3. Diazed fuse systems up to 63A
3. Class CC UL fuse links up to 30A

For more details please contact your nearest sales office.



### Fuses for Special Applications

1. Rectifiers in Electrolysis system
2. SITOR 8QG 10/11 thyristor sets
3. Mounting in railway supply rectifier

For more details please contact your nearest sales office.





# 5SD Surge Protection Devices

## Safe & Reliable

Surge Protection Devices are available in the following types:

Type 1 - For incoming power supply panels, in buildings with lightning protection system. Must be accompanied by downstream SPD

Type 2 - For distribution panels located downstream of Type 1 protectors or in incoming supply panels in areas of low exposure to lightning strikes, where the building is not fitted with lightning protection system

Type 3 - Always installed downstream of Type 2 protection designed to protect sensitive equipment or equipment located more than 20m downstream of Type 2 SPD

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# INDUSTRY 4.0

## Welcome to the world of digitalization with LV Panels

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**SIEMENS**



# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VM with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Birelay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / birelay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VM MCCB for ratings below 75kW, please consult Siemens.
- **Recommended selection.**

## Direct-on-line feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker		Contactor		Bi-relay	
			MCCB	Rated current In (A)	Type	Amp	Type	Range (A)
75	134	50kA	3VM1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110 - 160
90	160	50kA	3VM1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140 - 200
110	190	50kA	3VM1325-5MH32-0AA0	250	3RT1064	225	3RU2166-5FB10-8K	180 - 250
132	228	50kA	3VM1325-5MH32-0AA0	250	3RT1065	265	3RU2166-5GB10-8K	220 - 320
160	269	50kA	3VM1332-5MH32-0AA0	320	3RT1066	300	3RU2166-5GB10-8K	220 - 320
200	350	50kA	3VM1440-5MH32-0AA0	400	3RT1075	400	3RU2176-5HB10-8K	280 - 400
250	430	50kA	3VM1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350 - 500

## Star-Delta feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Phase Current Iph (A)	Breaking Capacity Iq	Circuit Breaker		Contactor (Line/Delta)		Contactor (Star)		Bi-relay	
				MCCB	Rated current In (A)	Type	Amp	Type	Amp	Type	Range (A)
75	131	75.6	50kA	3VM1216-5MH32-0AA0	160	3RT1055	150	3RT2038	80	3RU2146-4LB0	70 - 90
90	156	90.1	50kA	3VM1220-5MH32-0AA0	200	3RT1056	185	3RT2038	80	3RU2146-4MB0	80 - 100
110	189	109	50kA	3VM1325-5MH32-0AA0	250	3RT1064	225	3RT1054	115	3RU2156-5CB10-8K	90 - 125
132	227	131.1	50kA	3VM1325-5MH32-0AA0	250	3RT1065	265	3RT1054	115	3RU2156-5DB10-8K	110 - 160
160	271	156.5	50kA	3VM1332-5MH32-0AA0	320	3RT1066	300	3RT1054	115	3RU2156-5EB10-8K	140 - 200
200	339	195.7	50kA	3VM1440-5MH32-0AA0	400	3RT1076	500	3RT1056	185	3RU2166-5FB10-8K	180 - 250
250	398	229.8	50kA	3VM1450-5MH32-0AA0	500	3RT1076	500	3RT1065	265	3RU2166-5GB10-8K	220 - 320

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 97/98 or consult nearest Siemens Office.

# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VA with 3RT & 3RU)

Suitable for IE3 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Bi-relay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / bi-relay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- Ratio of starting current to rated current: In accordance to IS12615:2018
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VA MCCB for ratings below 37kW, please consult Siemens.
- **Recommended selection.**

## Direct-on-line feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker		Contactor		Bi-relay	
			MCCB	Rated current In (A)	Type	Rating (A)	Type	Range (A)
37	64	50kA	3VA1180-5MH32-0AA0	80	3RT2038	80	3RU2136-4KB0	62...73
45	77	50kA	3VA1180-5MH32-0AA0	80	3RT2047	110	3RU2146-4LB0	70...90
55	95	50kA	3VA1112-5MH32-0AA0	125	3RT1055	150	3RU2156-5CB10-8K	90...125
75	129	50kA	3VA1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110-160
90	151	50kA	3VA1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140-200
110	186	50kA	3VA1325-5MH32-0AA0	250	3RT1064	225	3RU2156-5EB10-8K	140-200
132	221	50kA	3VA1332-5MH32-0AA0	320	3RT1065	265	3RU2166-5FB10-8K	180-250
160	267	50kA	3VA1440-5MH32-0AA0	400	3RT1066	300	3RU2166-5GB10-8K	220-320
200	332	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5HB10-8K	280-400
250	420	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350-500

## Star-Delta feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Phase Current Iph (A)	Breaking Capacity Iq	Circuit Breaker		Contactor (Line/ Delta)		Contactor (Star)		Bi-relay	
				MCCB	Rated current In (A)	Type	Rating (A)	Type	Rating (A)	Type	Range (A)
37	64	37	50kA	3VA1180-5MH32-0AA0	80	3RT2038	80	3RT2035	40	3RU2136-4GB0	36...45
45	77	44.5	50kA	3VA1180-5MH32-0AA0	80	3RT2038	80	3RT2035	40	3RU2136-4QB0	47...57
55	95	54.9	50kA	3VA1112-5MH32-0AA0	125	3RT2047	110	3RT2035	40	3RU2136-4KB0	57...75
75	129	74.5	50kA	3VA1216-5MH32-0AA0	160	3RT1055	150	3RT2037	65	3RU2156-5BB10-8K	70-100
90	151	87.2	50kA	3VA1216-5MH32-0AA0	160	3RT1056	185	3RT2037	65	3RU2156-5BB10-8K	70-100
110	186	107.4	50kA	3VA1220-5MH32-0AA0	200	3RT1064	225	3RT1054	115	3RU2156-5CB10-8K	90-125
132	221	127.6	50kA	3VA1325-5MH32-0AA0	250	3RT1065	265	3RT1056	185	3RU2156-5DB10-8K	110-160
160	267	154.2	50kA	3VA1332-5MH32-0AA0	320	3RT1066	300	3RT1056	185	3RU2156-5EB10-8K	140-200
200	332	191.7	50kA	3VA1440-5MH32-0AA0	400	3RT1076	500	3RT1065	265	3RU2166-5FB10-8K	180-250
250	420	242.5	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RT1066	300	3RU2166-5GB10-8K	220-320

Note: For ratings below 37kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 97/98 or consult nearest Siemens Office.

# Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-Relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

## Direct-on-line feeder, for Low LCC

SL Motor		SDF		Fuse		Contactor		Bi-Relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	Type	Amp	Type	Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	1.1	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-0KB0	0.9 ... 1.25
0.55	1.4	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-1AB0	1.1 ... 1.6
0.75	1.7	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1BB0	1.4 ... 2
1.1	2.4	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1DB0	2.2 ... 3.2
1.5	3.2	3KL811	20	3NA78030RC	10	3RT2015	7	3RU2116-1EB0	2.8 ... 4
2.2	4.8	3KL811	20	3NA78050RC	16	3RT2015	7	3RU2116-1GB0	4.5 ... 6.3
3.7	7.4	3KL811	20	3NA78070RC	20	3RT2024	12	3RU2126-1JB0	7...10
5.5	11.2	3KL812	32	3NA78100RC	25	3RT2024	12	3RU2126-1KB0	9 ... 12.5
7.5	15	3KL812	32	3NA78120RC	32	3RT2025	17	3RU2126-4AB0	11 ...16
11	21	3KL815	63	3NA78200RC	50	3RT2027	32	3RU2126-4DB0	20 ... 25
15	28	3KL815	63	3NA78220RC	63	3RT2035	40	3RU2136-4EB0	22 ... 32
18.5	34	3KL821	100	3NA78240RC	80	3RT2035	40	3RU2136-4FB0	28 ... 40
22	40	3KL821	100	3NA78240RC	80	3RT2036	50	3RU2136-4GB0	36 ... 45
30	57	3KL821	100	3NA78300RC	100	3RT2037	65	3RU2136-4QB0	47 ... 57
37	64	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	77	3KL822	125	3NA78320RC	125	3RT2046	95	3RU2136-4RB0	70 ... 80
55	101	3KL823	160	3NA78360RC	160	3RT1054	115	3RU2156-5CB10-8K	90 ... 125
75	134	3KL831	200	3NA71400RC	200	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3KL832	250	3NA71440RC	250	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	190	3KL832	250	3NA71440RC	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	228	3KL833	315	3NA72520RC	315	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	269	3KL834	400	3NA72600RC	400	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3KL841	500	3NA33650RC	500	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3KL841	500	3NA33650RC	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

## Star-Delta feeder, for Low LCC

SL Motor			SDF		HRC Fuses		Contactor Line/Delta		Contactor Star		Bi-Relay		Timer
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	I <sub>Ph</sub> Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp	Type
4	7.8	4.5	3KL811	20	3NA78030RC	10	3RT2023	9	3RT2023	9	3RU2126-1FB0	3.5 ... 5	3RP15
5.5	11.2	6.5	3KL811	20	3NA78050RC	16	3RT2023	9	3RT2023	9	3RU2126-1HB0	5.5 ... 8	3RP15
7.5	15	9.2	3KL811	20	3NA78070RC	20	3RT2024	12	3RT2023	9	3RU2126-1JB0	7 ... 10	3RP15
11	21	12	3KL812	32	3NA78100RC	25	3RT2025	17	3RT2023	9	3RU2126-1KB0	9 ... 12.5	3RP15
15	28	16.2	3KL812	32	3NA78120RC	32	3RT2026	25	3RT2025	17	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3KL815	63	3NA78200RC	50	3RT2027	32	3RT2026	25	3RU2126-4CB0	17 ... 22	3RP15
22	40	23.2	3KL815	63	3NA78200RC	63	3RT2035	40	3RT2026	25	3RU2136-4DB0	18 ... 25	3RP15
30	57	30.6	3KL821	100	3NA78220RC	80	3RT2035	40	3RT2026	25	3RU2136-4EB0	22 ... 32	3RP15
37	64	37.5	3KL821	100	3NA78240RC	80	3RT2035	40	3RT2027	32	3RU2136-4FB0	28 ... 40	3RP15
45	77	45	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2028	40	3RU2136-4HB0	40 ... 50	3RP15
55	101	55.4	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2035	40	3RU2136-4JB0	54 ... 65	3RP15
75	134	75.6	3KL823	160	3NA78360RC	160	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	3RP15
90	156	90	3KL823	160	3NA78360RC	160	3RT2046	95	3RT2038	80	3RU2146-4LB0	70 ... 90	3RP15
110	190	113	3KL831	200	3NA71400RC	200	3RT1054	115	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	228	133	3KL832	250	3NA71440RC	250	3RT1055	150	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	269	162	3KL833	315	3NA72520RC	315	3RT1056	185	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	202	3KL834	400	3NA72600RC	400	3RT1064	225	3RT1056	185	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	248	3KL841	500	3NA33650RC	500	3RT1075	400	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

Type-2 Co-ordination Charts

# Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3TF & 3UA)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Birelay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- At 60°C service temperature the bi-relay has to be derated. The bi-relay can be used upto the maximum current setting indicated. For example - A bi-relay with setting 32-50A, at 60°C can be used only upto 47A. This however does not mean that at 60°C, the 50A setting corresponds to 47A. It means that, the bi-relay should not be set beyond 47A.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnector Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

## Direct-on-line feeder, for Low LCC

SL Motor	Motor	SDF		HRC Fuse		Contactor		Bi-Relay		Bi-Relay	
kW 415V, 3ph, 50Hz	I <sub>L</sub> Amp	Type	Rating	Type	Amp	Type	Amp	Type (50°C)	Set-Range Amp	Type (60°C)	Available Set-Range Amp
0.37	1	3KL811	20	3NA78040RC	4	3TF30	9	3UA5000-0K	0.8 - 1.25	3UA5000-0K	0.8 - 1.17
0.55	1.3	3KL811	20	3NA78040RC	4	3TF30	9	3UA5000-1A	1 - 1.6	3UA5000-1A	1 - 1.5
0.75	1.9	3KL811	20	3NA78010RC	6	3TF30	9	3UA5000-1B	1.25 - 2	3UA5000-1B	1.6 - 2.3
1.1	2.6	3KL811	20	3NA78010RC	6	3TF30	9	3UA5000-1D	2 - 3.2	3UA5000-1D	2 - 3
1.5	3.7	3KL811	20	3NA78030RC	10	3TF30	9	3UA5000-1E	2.5 - 4	3UA5000-1E	2.5 - 3.7
2.2	4.8	3KL811	20	3NA78050RC	16	3TF30	9	3UA5000-1F	3.2 - 5	3UA5000-1G	4 - 5.9
3.7	7.8	3KL811	20	3NA78070RC	20	3TF30	9	3UA5000-1H	5 - 8	3UA5000-1J	6.3 - 9.4
5.5	11.2	3KL812	32	3NA78100RC	25	3TF31	12	3UA5000-1K	8 - 12.5	3UA5000-1K	8 - 11.7
7.5	16	3KL812	32	3NA78120RC	32	3TF32	16	3UA5200-2A	10 - 16	3UA5200-2B	12.5 - 18.7
9.3	19	3KL815	63	3NA78200RC	50	3TF34	32	3UA5500-2B	12.5 - 20	3UA5500-2C	16 - 23.4
11	20.8	3KL815	63	3NA78200RC	50	3TF34	32	3UA5500-2C	16 - 25	3UA5500-2C	16 - 23.4
15	28	3KL815	63	3NA78220RC	63	3TF34	32	3UA5500-2D	20 - 32	3UA5500-2D	20 - 30
18.5	34	3KL815	63	3NA78220RC	63	3TF35	38	3UA5500-2Q	25 - 36	3UA5500-2R	32 - 37.4
22	40	3KL817	100	3NA78240RC	80	3TF46	45	3UA5800-2FZ1	32 - 50	3UA5800-2FZ1	32 - 47
30	53	3KL817	100	3NA78300RC	100	3TF47	63	3UA5800-2TZ1	40 - 57	3UA5800-2PZ1	50 - 59
37	65	3KL822	125	3NA78320RC	125	3TF477	70	3UA5800-2VZ2	57 - 70	3UA5800-2VZ2	57 - 65.5
45	78	3KL822	125	3NA78320RC	125	3TF49	85	3UA5800-8YZ1	70 - 95	3UA5800-8YZ1	70 - 88.9
55	96	3KL823	160	3NA78360RC	160	3TF50	110	3UA5830-5C	85 - 105	3UA5830-5C	85 - 98.2
75	131	3KL831	200	3NA71400RC	200	3TF51	140	3UA6230-5A	85 - 135	3UA6230-5B	115 - 168
90	156	3KL832	250	3NA71440RC	250	3TF52	170	3UA6230-5B	115 - 180	3UA6230-5B	115 - 168
110	189	3KL832	250	3NA71440RC	250	3TF53	205	3UA6230-5C	160 - 250	3UA6230-5C	160 - 234
132	227	3KL833	315	3NA72520RC	315	3TF54	250	3UA6230-5C	160 - 250	3UA6230-5C	160 - 234
160	271	3KL834	400	3NA72600RC	400	3TF55	300	3UA6230-5D	200 - 320	3UA6230-5D	200 - 299
200	339	3KL841	500	3NA33650RC	500	3TF56	400	3UA6230-5E	250 - 400	3UA6230-5E	250 - 374
250	398	3KL841	500	3NA33650RC	500	3TF57	475	3UA6830-5F	320 - 500	3UA6830-5F	320 - 468

## Star-Delta feeder, for Low LCC

SL Motor	Motor		SDF		HRC Fuses		Contactor Line/Delta		Contactor Star		Bi-Relay		Bi-Relay		Timer
kW 415V, 3ph, 50Hz	I <sub>L</sub> Amp.	I <sub>ph</sub> Amp	Type	Rating	Type	Amp	Type	Amp	Type	Amp	Type (50°C)	Set-Range Amp	Type (60°C)	Available Set-Range Amp	Type
3.7	7.8	4.5	3KL811	20	3NA78030RC	10	3TF30	9	3TF30	9	3UA5000-1F	3.2-5	3UA5000-1F	3.2-4.7	3RP15
5.5	11.2	6.5	3KL811	20	3NA78050RC	16	3TF30	9	3TF30	9	3UA5000-1H	5-8	3UA5000-1H	5-7.5	3RP15
7.5	16	9.2	3KL811	20	3NA78070RC	20	3TF31	12	3TF30	9	3UA5000-1J	6.3-10	3UA5000-1J	6.3-9.4	3RP15
9.3	19	11	3KL812	32	3NA78100RC	25	3TF31	12	3TF30	9	3UA5000-1K	8-12.5	3UA5000-1K	8-11.7	3RP15
11	20.8	12	3KL812	32	3NA78100RC	25	3TF31	12	3TF30	9	3UA5000-1K	8-12.5	3UA5000-2S	10-13.6	3RP15
15	28	16.2	3KL812	32	3NA78120RC	32	3TF33	22	3TF32	16	3UA5200-2B	12.5-20	3UA5200-2B	12.5-18.7	3RP15
18.5	34	19.7	3KL815	63	3NA78200RC	50	3TF34	32	3TF34	32	3UA5500-2B	12.5-20	3UA5500-2C	16-23.4	3RP15
22	40	23.2	3KL815	63	3NA78200RC	50	3TF34	32	3TF34	32	3UA5500-2C	16-25	3UA5500-2D	22-30	3RP15
30	53	30.6	3KL815	63	3NA78220RC	63	3TF34	32	3TF34	32	3UA5500-2D	20-32	3UA5500-2Q	25-33.7	3RP15
37	65	37.5	3KL817	100	3NA78240RC	80	3TF35	38	3TF34	32	3UA5500-2R	32-40	3UA5500-8M	36-45	3RP15
45	78	45	3KL817	100	3NA78300RC	100	3TF46	45	3TF34	32	3UA5800-2FZ1	32-50	3UA5800-2FZ1	32-47	3RP15
55	96	55.4	3KL817	100	3NA78300RC	100	3TF47	63	3TF34	32	3UA5800-2TZ1	40-57	3UA5800-2PZ1	50-59	3RP15
75	131	75.6	3KL823	160	3NA78360RC	160	3TF49	85	3TF47	63	3UA5800-8YZ1	70-95	3UA5800-8YZ1	70-88.9	3RP15
90	156	90.1	3KL823	160	3NA78360RC	160	3TF50	110	3TF47	63	3UA5830-5B	70-95	3UA5830-5C	85-98.2	3RP15
110	189	109	3KL831	200	3NA71400RC	200	3TF50	110	3TF50	110	3UA5830-5D	95-120	3UA5830-5D	95-112	3RP15
132	227	131.1	3KL832	250	3NA71440RC	250	3TF51	140	3TF50	110	3UA6230-5B	115-180	3UA6230-5B	115-168	3RP15
160	271	156.5	3KL833	315	3NA72520RC	315	3TF52	170	3TF50	110	3UA6230-5B	115-180	3UA6230-5B	115-168	3RP15
200	339	195.7	3KL834	400	3NA72600RC	400	3TF54	250	3TF52	170	3UA6230-5C	160-250	3UA6230-5C	160-234	3RP15
250	398	229.8	3KL841	500	3NA72600RC	400	3TF54	250	3TF54	250	3UA6230-5C	160-250	3UA6230-5D	200-299	3RP15

Type-2 Coordination Charts





# One system. Worldwide application.

## The 3VA moulded case circuit breaker with UL certification

We have good news for machine and switchgear manufacturers who export worldwide: The 3VA5 and 3VA6 series of our 3VA moulded case circuit breakers with UL certification comply with the UL 489 standard as well as the IEC 60947 standard. All the functionalities of this modular and highly variable moulded case circuit breaker system can be used in plants that are operated, for example, in North America or Europe. The 3VA moulded case circuit breaker: One system. Worldwide application.

For more information, call us on 1800 209 1800 or visit us at [www.siemens.com/3VA](http://www.siemens.com/3VA)

For life cycle support for products, systems and solutions, call us at 1800 209 0987 or email us at [ics.india@siemens.com](mailto:ics.india@siemens.com)

[www.siemens.com/3VA](http://www.siemens.com/3VA)

**SIEMENS**



IoT-Cloud apps and remote monitoring  
→ "Cloud / apps"



Connectivity and on-premise monitoring  
→ "Software / gateway"



Field devices and sensors  
→ "Things"



**SENTRON**  
Powermind



7KN Powercenter 3000



# SENTRON Digitalization Solution

## Intelligent power distribution management

**Secure. Scalable. Customizable.**

Turn your LV Panels into IoT enabled digital switchboards with benefits like:



On-site or cloud-based data visualization and analysis



Fulfill regulatory requirements (e.g., ISO 50001)



Energy transparency and efficiency without compromising security



Reduce unplanned downtime with condition monitoring

MindSphere



Watts



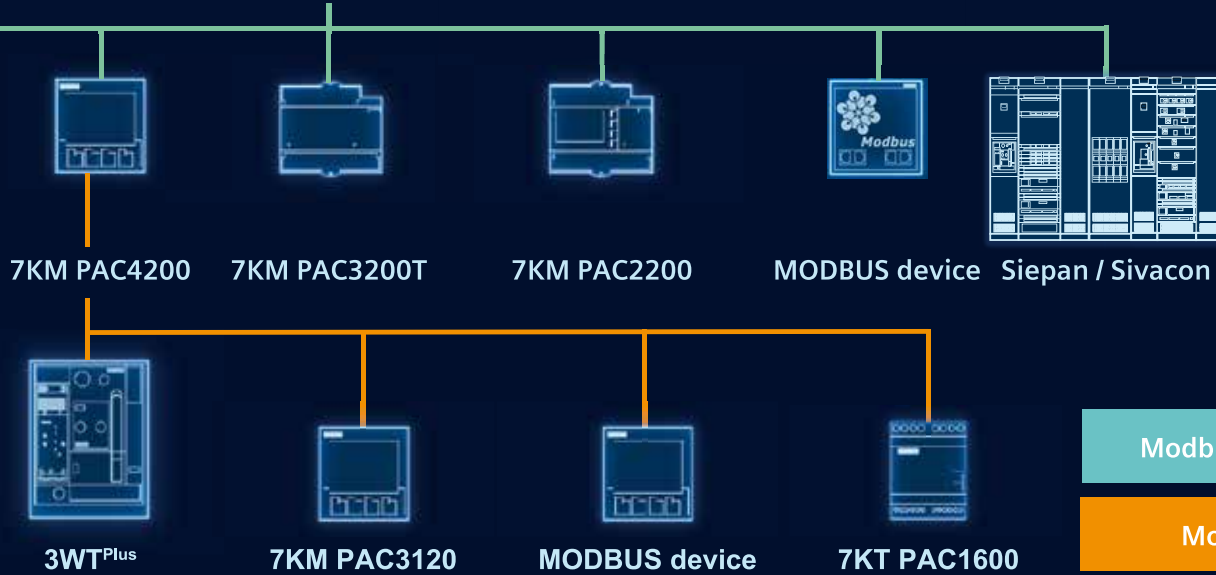
SENTRON powermanager



SENTRON powerconfig



Adaptive web interface



Modbus TCP / HTTP

Modbus RTU

Scan to explore



SIEMENS

## Available till stocks last

### Superswitch 3KL8

Switch Disconnecter fuse: 3KL8 3-pole with Isolable neutral (Open Execution )

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-3TA00	3585.-	3KL8111-3TJ00	3470.-	3KL8111-3TC00	3530.-	1
32A	3KL8121-3TA00	3675.-	3KL8121-3TJ00	3590.-	3KL8121-3TC00	3640.-	1
63A	3KL8151-3TA00	5185.-	3KL8151-3TJ00	5020.-	3KL8151-3TC00	5060.-	1
100A	3KL8211-3TA00	10355.-	3KL8211-3TJ00	10160.-			1
125A	3KL8221-3TA00	13545.-	3KL8221-3TJ00	13365.-			1
160A <sup>§</sup>	3KL8231-3TA00	14780.-	3KL8231-3TJ00	14575.-			1
200A	3KL8311-3UA00	18885.-	3KL8311-3UJ00	18275.-			1
250A	3KL8321-3UA00	22205.-	3KL8321-3UJ00	22600.-			1
315A	3KL8331-3UA00	27450.-	3KL8331-3UJ00	26735.-			1
400A <sup>§</sup>	3KL8341-3UA00	33070.-	3KL8341-3UJ00	33565.-			1
500A	3KL8411-3UA00	51740.-	3KL8411-3UJ00	49760.-			1
630A	3KL8421-3UA00	53155.-	3KL8421-3UJ00	51560.-			1
800A <sup>§</sup>	3KL8431-3UA00	57580.-	3KL8431-3UJ00	55880.-			1

Notes:

3KL8/ 3KA8 is rated for 690V, 50Hz, AC23A Utilisation Category

\$ AC23A @500V AC

All SDF Unit MRPs are without fuses

Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover, isolable neutral cover and phase barriers.

### Accessories for 3KL8 / 3KA8: 3-pole with Isolable neutral (Open Execution)

Description	3KL81 11/21/51 3KA81 51	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41/51	Unit MRP* ₹	3KL84 11/21/31 3KA84 3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	435.-	3KX8230-0AC	625.-	3KX8340-0AC	915.-	3KX8430-0AC	1295.-	1
Terminal Cover (1 set)	-	-	3KX8231-0AC	525.-	3KX8341-0AC	1000.-	3KX8431-0AC	1170.-	1
Isolable Neutral cover	-	-	3KX8232-0AC	265.-	3KX8342-0AC	430.-	3KX8432-0AC	525.-	1
Phase Barrier <sup>§§</sup>	3KX8153-0AC	180.-	3KX8233-0AC	180.-	3KX8343-0AC	260.-	3KX8433-0AC	330.-	1

§§ For phase barriers of BS type switches contact nearest Siemens sales office.

### SIECAP™ LV Power Capacitors

ND (Normal Duty)

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
440	0.9	4RB2008-3EE50-8K	395.-	1	480	1	4RB2010-3EJ50-8K	455.-	1	
	1	4RB2010-3EE50-8K	440.-	1		1.5	4RB2015-3EJ50-8K	685.-	1	
	1.2	4RB2012-3EE50-8K	515.-	1		2	4RB2020-3EJ50-8K	900.-	1	
	1.5	4RB2015-3EE50-8K	640.-	1		2.5	4RB2025-3EJ50-8K	1115.-	1	
	2.1	4RB2021-3EE50-8K	910.-	1		4.2	4RB2042-3EJ50-8K	1895.-	1	
	2.5	4RB2025-3EE50-8K	1080.-	1		5	4RB2050-3EJ50-8K	1990.-	1	
	3	4RB2030-3EE50-8K	1300.-	1		5.5	4RB2055-3EJ50-8K	2480.-	1	
	4.2	4RB2042-3EE50-8K	1810.-	1		8.3	4RB2083-3EJ50-8K	3305.-	1	
	5	4RB2050-3EE50-8K	2160.-	1		10.4	4RB2104-3EJ50-8K	4140.-	1	
	6	4RB2060-3EE50-8K	2280.-	1		11.1	4RB2111-3EJ50-8K	3840.-	1	
	7	4RB2070-3EE50-8K	2665.-	1		12.5	4RB2125-3EJ50-8K	4330.-	1	
	7.5	4RB2075-3EE50-8K	2855.-	1		13.8	4RB2138-3EJ50-8K	4775.-	1	
	8.3	4RB2083-3EE50-8K	3160.-	1		15	4RB2150-3EJ50-8K	5190.-	1	
	9	4RB2090-3EE50-8K	3425.-	1		16.7	4RB2167-3EJ50-8K	5770.-	1	
	10	4RB2100-3EE50-8K	3810.-	1		20.8	4RB2208-3EJ50-8K	7200.-	1	
	12.5	4RB2125-3EE50-8K	4110.-	1		25	4RB2250-3EJ50-8K	8645.-	1	
	15	4RB2150-3EE50-8K	4930.-	1		27.7	4RB2277-3EJ50-8K	9580.-	1	
	16.7	4RB2167-3EE50-8K	5485.-	1		30	4RB2300-3EJ50-8K	10380.-	1	
	20	4RB2200-3EE50-8K	6565.-	1						
	20.8	4RB2208-3EE50-8K	6835.-	1						
25	4RB2250-3EE50-8K	8220.-	1							
28	4RB2280-3EE50-8K	9205.-	1							
30	4RB2300-3EE50-8K	9865.-	1							

\* Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details

\* LP - List Price

\* MRP - Maximum Retail Price



## Discontinued products

### 3KC Automatic Transfer Controller

Description	Type
ATC 5300	3KC9000-8TL30

### Control switches 3ST

Switch	Description	Type
2-Pole On-Off <sup>1), 2)</sup>	415V, 50Hz/8.5A	■ 3ST1 400-0AF08
3-Pole On-Off <sup>1), 2)</sup>		■ 3ST1 400-1AH08
Ammeter selector	0-L1-L2-L3	■ 3ST1 400-2RQ08
Voltmeter selector	0-L1L2-L2L3-L3L1	■ 3ST1 400-1RK08

1) 12th place code '8' represents black knob. Replace it by '9' for red knob.

2) 9th place code 'A' represents rotation < 360°. For 360° rotation, replace it by 'B'

### Switch disconnecter: 3KA8<sup>^</sup> (in open execution TPN)

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses
63A	3KA81513TE00
100A	3KA82113TE00
125A	3KA82213TE00
160A	3KA82313TE00
200A	3KA83113UE00
250A	3KA83213UE00
400A	3KA83413UE00
630A	3KA83513UE00
800A	3KA843□-3UE00
1000A@	3KA844□-3UE00
1250A@	3KA845□-3UE00
1600A@	3KA846□-3UE00

□ - 2: Top Incoming

□ - 3: Bottom Incoming

<sup>^</sup> 3KL8/ 3KA8 is rated for 690V, 50Hz, AC23A Utilisation Category

@ Rating AC21 at 500V, 50Hz

### 7KM PAC3200 power monitoring device

Description	Type
PAC 3200 with integrated ethernet port for MODBUS TCP Class 0.5s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10%	7KM2112-0BA00-3AA0

### 7KM PAC 3100 power monitoring device

Description	Type
PAC 3100 with integrated RS 485 port for MODBUS RTU Class 1 accuracy, screw terminals AC/DC wide voltage power supply 110...240V AC ±10%, 50/60Hz, 110...250V DC ±10%	7KM3133-0BA00-3AA0

### Motor control switches 3LA0

Description	Motor output 415V, 50Hz, 3Ph kW	Type
In sheet steel housing	On/Off	■ 3LA0221-1YA
		■ 3LA0621-1YB
	System selector	3LA0222-1YA
	Reversing	■ 3LA0223-1YA

### Moulded Case Circuit Breaker: 3VT1

Description	Type
3VT1 MCCBs	3VT17....
3VT91 Accessories	3VT91....

# Discontinued products

## MCCB: SENTRON 3VL

- Upto 16A to 1600A
- 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit



### 3VL MCCB, Thermal-magnetic trip unit (fixed overload and fixed short circuit), Icu = 55kA, 415V AC, 50 Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole	4 pole
		Type	Type
VL160X VL160X = 3VL1	16	3VL1796-1DA36-0AA0	3VL1796-1EH46-0AA0
	20	3VL1702-1DA36-0AA0	3VL1702-1EH46-0AA0
	32	3VL1703-1DA36-0AA0	3VL1703-1EH46-0AA0
	63	3VL1706-1DA36-0AA0	3VL1706-1EH46-0AA0
	100	3VL1710-1DA36-0AA0	3VL1710-1EH46-0AA0
	125	3VL1712-1DA36-0AA0	3VL1712-1EH46-0AA0
	160	3VL1716-1DA36-0AA0	3VL1716-1EH46-0AA0

### 3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

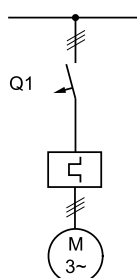
Frame size	Rated current I <sub>n</sub> (A)	3 pole	4 pole
		Type	Type
VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2	20	3VL1702-1DD36-0AA0	3VL1702-1EA46-0AA0#
	32	3VL1703-1DD36-0AA0	3VL1703-1EA46-0AA0#
	63	3VL1706-1DD36-0AA0	3VL2706-1EM46-0AA0
	100	3VL1710-1DD36-0AA0	3VL2710-1EM46-0AA0
	125	3VL1712-1DD36-0AA0	3VL2712-1EM46-0AA0
	160	3VL1716-1DD36-0AA0	3VL2716-1EM46-0AA0
VL 250	200	3VL3720-1DC36-0AA0	3VL3720-1EM46-0AA0
	250	3VL3725-1DC36-0AA0	3VL3725-1EM46-0AA0
VL 400	315	3VL4731-1DC36-0AA0	3VL4731-1EM46-0AA0
	400	3VL4740-1DC36-0AA0	3VL4740-1EM46-0AA0
VL 630	500	3VL5750-1DC36-0AA0	3VL5750-1EM46-0AA0
	630	3VL5763-1DC36-0AA0	3VL5763-1EM46-0AA0

### 3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 70kA, 415V AC, 50 Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole	4 pole
		Type	Type
VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2	20	3VL1702-2DD36-0AA0	3VL1702-2EA46-0AA0#
	32	3VL1703-2DD36-0AA0	3VL1703-2EA46-0AA0#
	63	3VL1706-2DD36-0AA0	3VL2706-2EM46-0AA0
	100	3VL1710-2DD36-0AA0	3VL2710-2EM46-0AA0
	125	3VL1712-2DD36-0AA0	3VL2712-2EM46-0AA0
	160	3VL1716-2DD36-0AA0	3VL2716-2EM46-0AA0
VL 250	200	3VL3720-2DC36-0AA0	3VL3720-2EM46-0AA0
	250	3VL3725-2DC36-0AA0	3VL3725-2EM46-0AA0
VL 400	315	3VL4731-2DC36-0AA0	3VL4731-2EM46-0AA0
	400	3VL4740-2DC36-0AA0	3VL4740-2EM46-0AA0
VL 630	500	3VL5750-2DC36-0AA0	3VL5750-2EM46-0AA0
	630	3VL5763-2DC36-0AA0	3VL5763-2EM46-0AA0

### 3VL MCCB for Motor protection (Magnetic trip unit, 3 Pole)

Frame size	Rated current I <sub>n</sub> (A)	standard breaking capacity (55 kA, 415V, 50 Hz)	high breaking capacity (70 kA, 415V, 50 Hz)
		Type	Type
VL160	63 A	3VL2706-1DK36-0AA0	3VL2706-2DK36-0AA0
	100 A	3VL2710-1DK36-0AA0	3VL2710-2DK36-0AA0
	160 A	3VL2716-1DK36-0AA0	3VL2716-2DK36-0AA0
VL250	250 A	3VL3725-1DK36-0AA0	3VL3725-2DK36-0AA0
VL400	315 A	3VL4731-1DK36-0AA0	3VL4731-2DK36-0AA0
VL630	500 A	3VL5750-1DK36-0AA0	3VL5750-2DK36-0AA0



# Fixed overload & fixed short circuit with neutral protection  
Std. Pkg. = 1 unit \* LP - List Price

# Discontinued products

## 3VL MCCB, ETU10, LI, Microprocessor based trip unit, Icu = 55kA, 415V AC, 50Hz

Frame size	Rated current (A)	3 pole	4 pole
		Type	Type
VL 160	63	3VL2706-1SB36-0AA0	3VL2706-1TA46-0AA0
	100	3VL2710-1SB36-0AA0	3VL2710-1TA46-0AA0
	160	3VL2716-1SB36-0AA0	3VL2716-1TA46-0AA0
VL 250	200	3VL3720-1SB36-0AA0	3VL3720-1TA46-0AA0
	250	3VL3725-1SB36-0AA0	3VL3725-1TA46-0AA0
VL 400	315	3VL4731-1SB36-0AA0	3VL4731-1TA46-0AA0
	400	3VL4740-1SB36-0AA0	3VL4740-1TA46-0AA0
VL 630	630	3VL5763-1SB36-0AA0	3VL5763-1TA46-0AA0
VL 800	800	3VL6780-1SB36-0AA0	3VL6780-1TA46-0AA0
VL 1250	1000	3VL7710-1SB36-0AA0	3VL7710-1TA46-0AA0
	1250	3VL7712-1SB36-0AA0	3VL7712-1TA46-0AA0
VL 1600	1600	3VL8716-1SB30-0AA0	3VL8716-1TA40-0AA0

## 3VL MCCB, ETU10, LI, Microprocessor based trip unit, Icu = 70kA, 415V AC, 50 Hz

Frame size	Rated current (A)	3 pole	4 pole
		Type	Type
VL 160	63	3VL2706-2SB36-0AA0	3VL2706-2TA46-0AA0
	100	3VL2710-2SB36-0AA0	3VL2710-2TA46-0AA0
	160	3VL2716-2SB36-0AA0	3VL2716-2TA46-0AA0
VL 250	200	3VL3720-2SB36-0AA0	3VL3720-2TA46-0AA0
	250	3VL3725-2SB36-0AA0	3VL3725-2TA46-0AA0
VL 400	315	3VL4731-2SB36-0AA0	3VL4731-2TA46-0AA0
	400	3VL4740-2SB36-0AA0	3VL4740-2TA46-0AA0
VL 630	630	3VL5763-2SB36-0AA0	3VL5763-2TA46-0AA0
VL 800	800	3VL6780-2SB36-0AA0	3VL6780-2TA46-0AA0
VL 1250	1000	3VL7710-2SB36-0AA0	3VL7710-2TA46-0AA0
	1250	3VL7712-2SB36-0AA0	3VL7712-2TA46-0AA0
VL 1600	1600	3VL8716-2SB30-0AA0	3VL8716-2TA40-0AA0

## 3VL MCCB, ETU12, LIG, Microprocessor based trip unit, Icu = 55kA, 415V AC, 50Hz

Frame size	Rated current (A)	3 pole	4 pole
		Type	Type
VL 160	63	3VL2706-1SL36-0AA0	3VL2706-1TN46-0AA0
	100	3VL2710-1SL36-0AA0	3VL2710-1TN46-0AA0
	160	3VL2716-1SL36-0AA0	3VL2716-1TN46-0AA0
VL 250	200	3VL3720-1SL36-0AA0	3VL3720-1TN46-0AA0
	250	3VL3725-1SL36-0AA0	3VL3725-1TN46-0AA0
VL 400	315	3VL4731-1SL36-0AA0	3VL4731-1TN46-0AA0
	400	3VL4740-1SL36-0AA0	3VL4740-1TN46-0AA0
VL 630	630	3VL5763-1SL36-0AA0	3VL5763-1TN46-0AA0
VL 800	800	3VL6780-1SL36-0AA0	3VL6780-1TN46-0AA0
VL 1250	1000	3VL7710-1SL36-0AA0	3VL7710-1TN46-0AA0
	1250	3VL7712-1SL36-0AA0	3VL7712-1TN46-0AA0
VL 1600	1600	3VL8716-1SL30-0AA0	3VL8716-1TN40-0AA0

## 3VL MCCB, ETU12, LIG Microprocessor based trip unit, Icu = 70kA, 415V AC, 50Hz

Frame size	Rated current (A)	3 pole	4 pole
		Type	Type
VL 160	63	3VL2706-2SL36-0AA0	3VL2706-2TN46-0AA0
	100	3VL2710-2SL36-0AA0	3VL2710-2TN46-0AA0
	160	3VL2716-2SL36-0AA0	3VL2716-2TN46-0AA0
VL 250	200	3VL3720-2SL36-0AA0	3VL3720-2TN46-0AA0
	250	3VL3725-2SL36-0AA0	3VL3725-2TN46-0AA0
VL 400	315	3VL4731-2SL36-0AA0	3VL4731-2TN46-0AA0
	400	3VL4740-2SL36-0AA0	3VL4740-2TN46-0AA0
VL 630	630	3VL5763-2SL36-0AA0	3VL5763-2TN46-0AA0
VL 800	800	3VL6780-2SL36-0AA0	3VL6780-2TN46-0AA0
VL 1250	1000	3VL7710-2SL36-0AA0	3VL7710-2TN46-0AA0
	1250	3VL7712-2SL36-0AA0	3VL7712-2TN46-0AA0
VL 1600	1600	3VL8716-2SL30-0AA0	3VL8716-2TN40-0AA0

L: Overload protection  
Std. Pkg. = 1 unit

I: Short circuit protection  
\* LP - List Price

G: Ground fault protection

# Discontinued products

## 3VL MCCB, Magnetic trip unit (for short circuit protection), Icu = 55kA, 415V AC, 50Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole	4 pole
		Type	Type
VL400	400	3VL4740-1DE36-0AA0	3VL4740-1EE46-0AA0
VL630	630	3VL5763-1DE36-0AA0	3VL5763-1EE46-0AA0
VL800	800	3VL6780-1DE36-0AA0	3VL6780-1EE46-0AA0
VL1250	1250	3VL7712-1DE36-0AA0	3VL7712-1EE46-0AA0
VL1600	1600	3VL8716-1DE30-0AA0	3VL8716-1EE40-0AA0

## 3VL MCCB, Magnetic trip unit (for short circuit protection), Icu = 70kA, 415V AC, 50Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole	4 pole
		Type	Type
VL400	400	3VL4740-2DE36-0AA0	3VL4740-2EE46-0AA0
VL630	630	3VL5763-2DE36-0AA0	3VL5763-2EE46-0AA0
VL800	800	3VL6780-2DE36-0AA0	3VL6780-2EE46-0AA0
VL1250	1250	3VL7712-2DE36-0AA0	3VL7712-2EE46-0AA0
VL1600	1600	3VL8716-2DE30-0AA0	3VL8716-2EE40-0AA0

## Accessories for 3VL

Frame	VL 160 X / VL 160 / VL 250 / VL 400	VL 630 / VL 800 / VL 1250 / VL 1600
Accessory	Type	Type
Auxiliary switch	3VL9400-2AB00 (1NO + 1NC)	3VL9800-2AC00 (2NO + 2NC)
Auxiliary switch + Alarm switch	3VL9400-2AD00 (1NO + 1NC & 1NO)	3VL9800-2AE00 (1NO + 1NC & 1NO)
Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC	3VL9400-1UG00 3VL9400-1UH00 3VL9400-1UJ00 3VL9400-1UR00	3VL9800-1UG00 3VL9800-1UH00 3VL9800-1UJ00 3VL9800-1UR00
Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC	3VL9400-1SC00 3VL9400-1SK00 3VL9400-1SR00 3VL9400-1ST00	3VL9800-1SC00 3VL9800-1SK00 3VL9800-1SR00 3VL9800-1ST00
Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility)	3VL9.00-3HQ00 ↓ 1 (For VL 160X) 3 (For VL 160/250) 4 (For VL 400)	3VL9600-3HQ00 (VL630-VL800)  3VL9800-3HF05 (VL1250-VL1600)
Motorised drive (Motorised operator-MO) 230-250V AC/DC	3VL9.00-3ME10 ↓ 1 (For VL160X) 3 (For VL160/250) 4 (For VL 400)	3VL9600-3ME10 (for VL630/800)
Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC	3VL9.00-3MQ00 ↓ 3 (For VL160X/VL160/VL250) 4 (For VL 400)	3VL9.00-3MQ00 ↓ 6 (For VL630-VL800) 8 (For VL1250-VL1600)
Spreader links (with phase barriers)	3VL9216-4ED30 (VL160X/VL160-3P) 3VL9216-4ED40 (VL160X/VL160-4P) 3VL9300-4ED30 (VL250-3P) 3VL9300-4ED40 (VL250-4P) 3VL9400-4ED30 (VL400-3P) 3VL9400-4ED40 (VL400-4P)	3VL9500-4ED30 (VL630-3P) 3VL9500-4ED40 <sup>55</sup> (VL630-4P) 3VL9600-4ED30 (VL800-3P) 3VL9600-4ED40 <sup>55</sup> (VL800-4P) NA (for VL1250 / VL1600)

Note: # The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole and 5 nos. links and 3 nos. phase barriers in case of 4 pole, <sup>55</sup> - 4 nos. links and 3 nos. phase barriers in case of 4 pole.

NA - Not Available

Std. Pkg. = 1 unit

\* LP - List Price

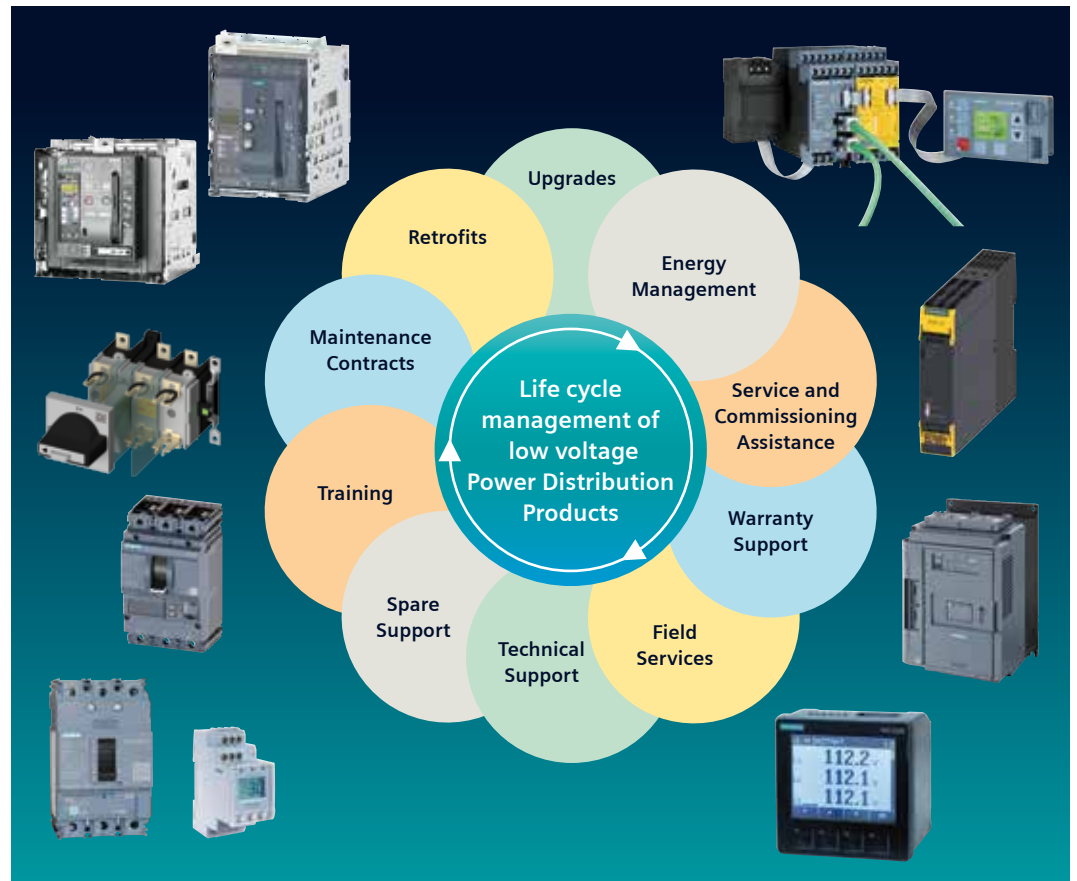


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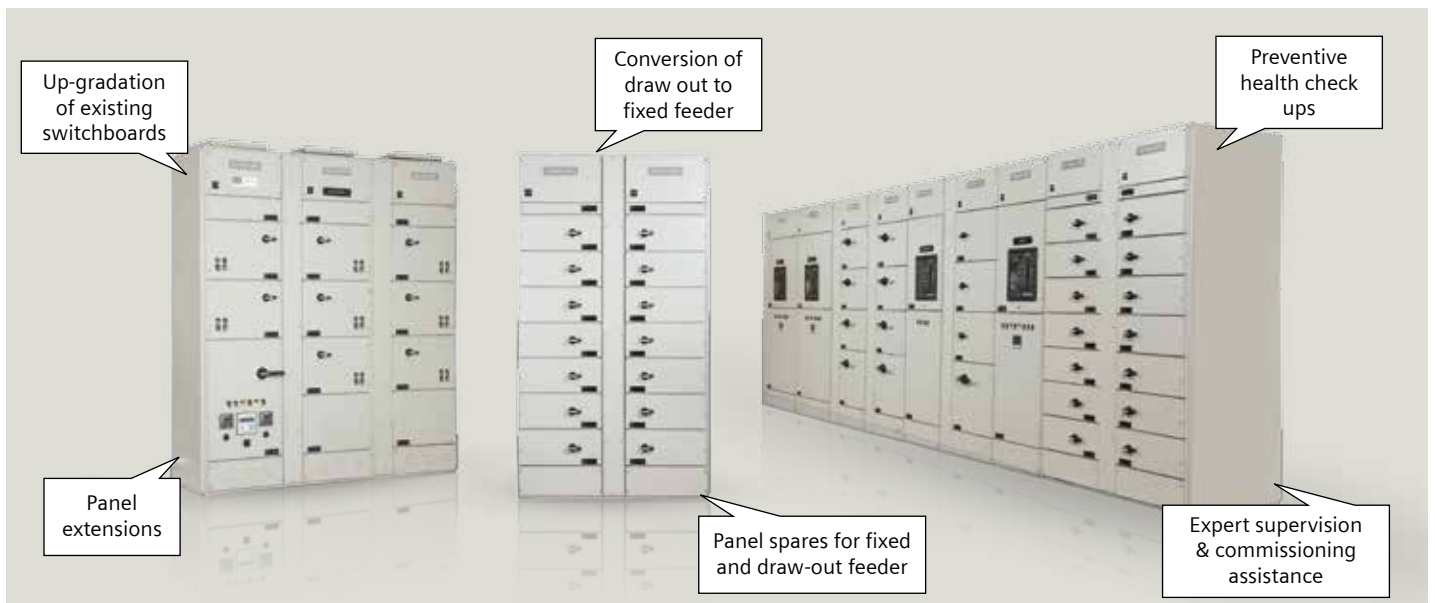
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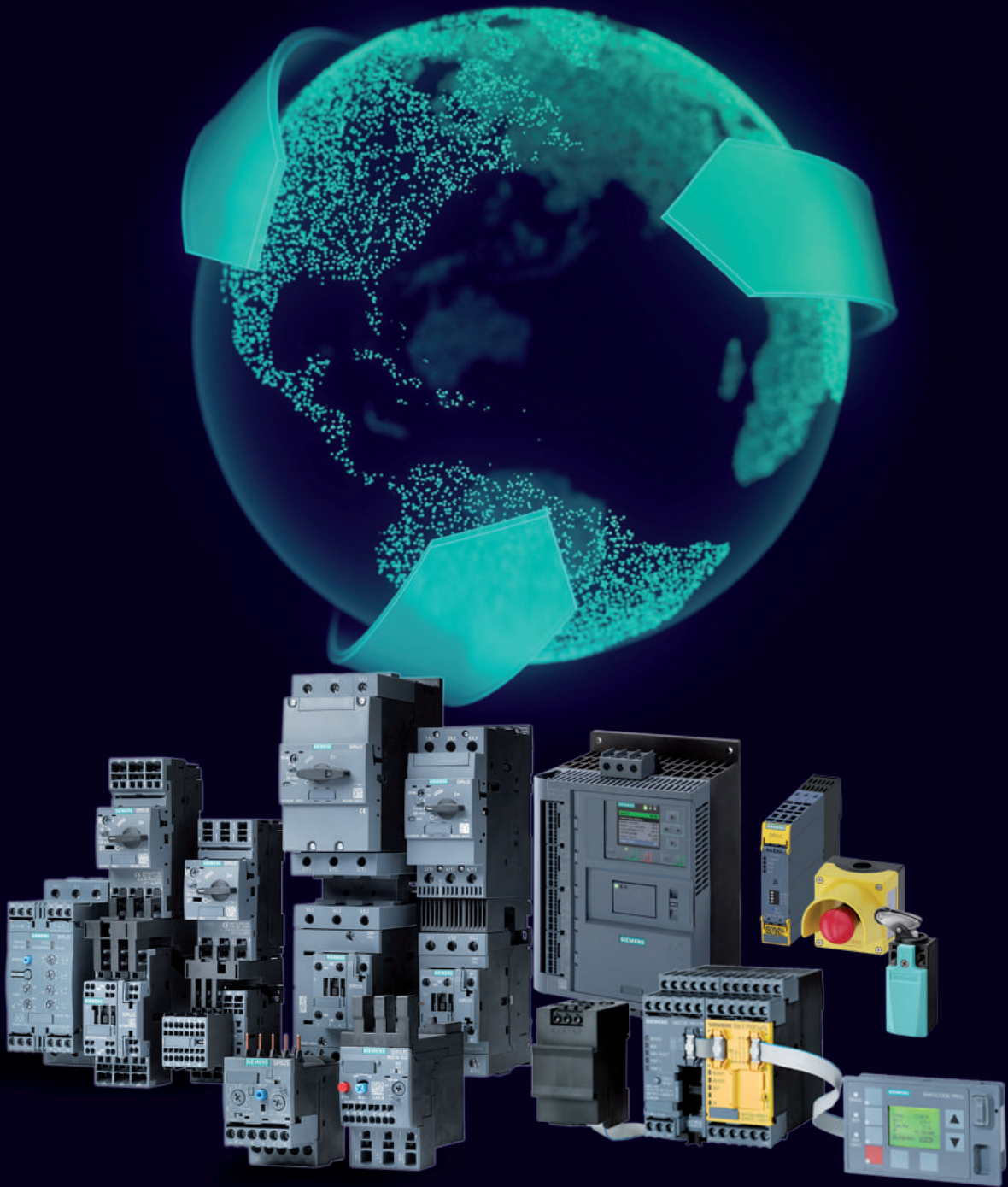
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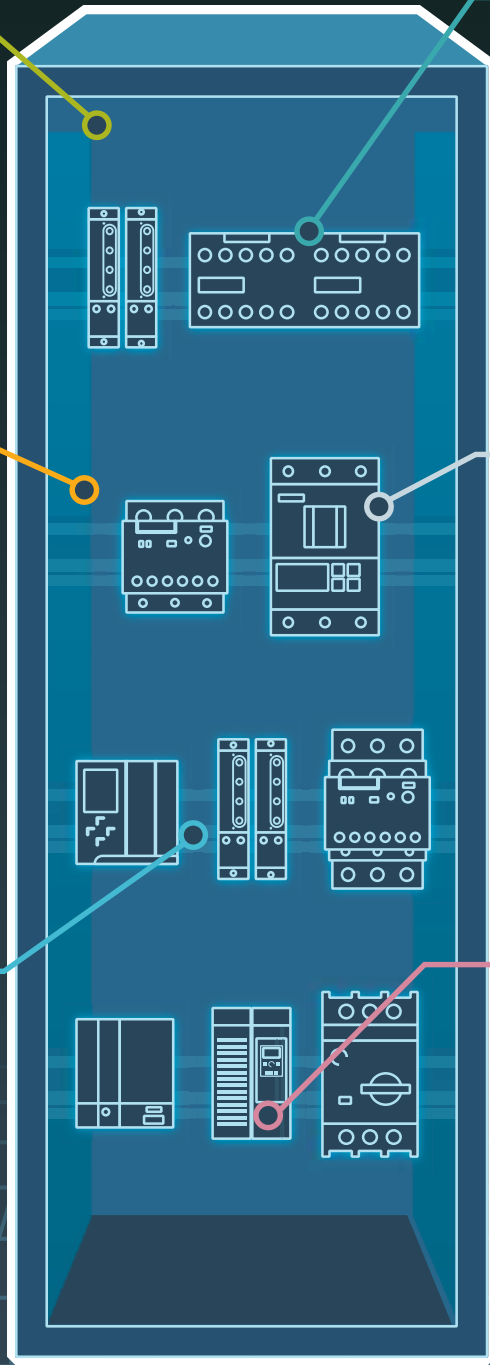


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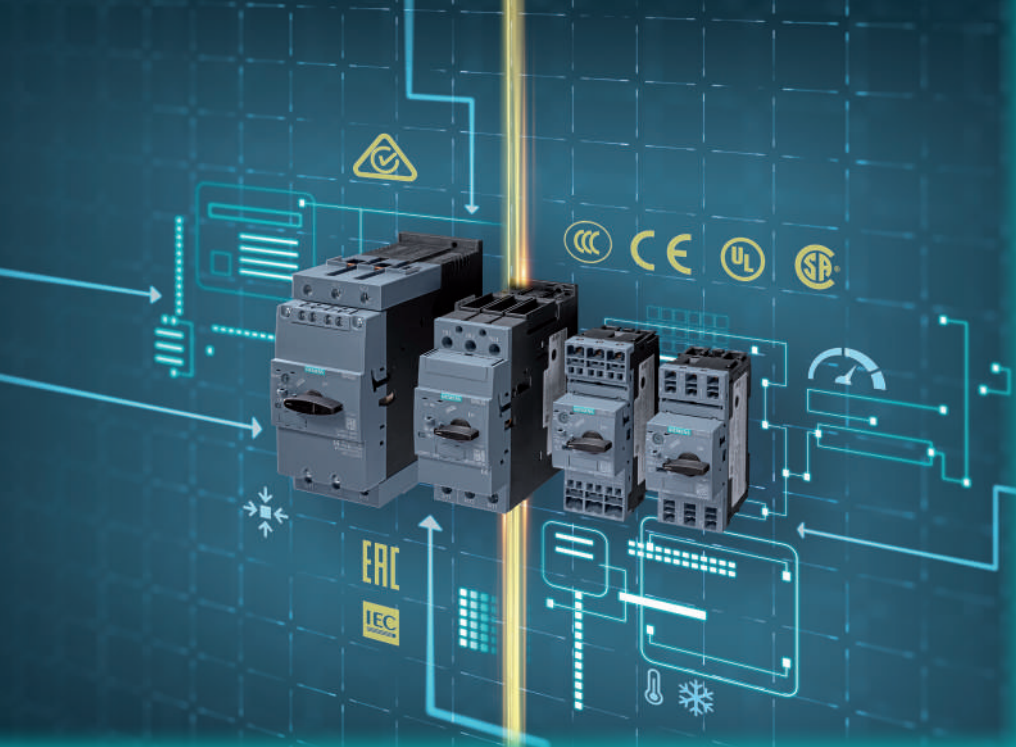
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# Index

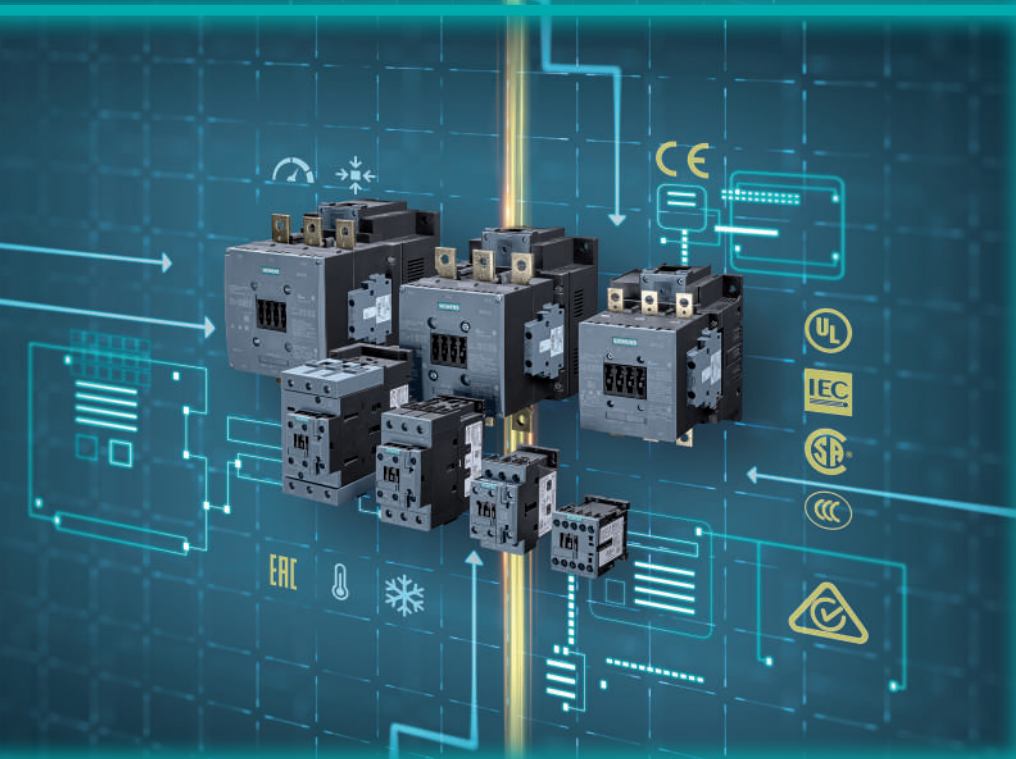
Contents	Page No.
<b>1 Switching Devices</b>	
Contactors Relays - 3RH2 (S00)	5
Latched Contactor Relays (S00)	5
Contactors Relays - 3RH2 (S00) (with Low power consumption coil)	5
Power Contactors - 3RT (S00 to S12)	6
Power Contactors - 3RT (S6 to S12) (with separate coils)	7
Power Contactors - 3RT2 (S0)	7
Energy Efficient Contactors	8
Power Contactors - 3RT20 coupling relays (PLC interface relay)	9
Vacuum Contactors - 3RT12/ 3TF6	10
Power Contactors - 3RT with indication of Remaining LifeTime (RLT)	10
3 Pole AC1 Duty Contactors - 3RT24 & 3RT14	11
4 Pole Power Contactors (4NO main contacts) 3RT23 & 3RT13	11
4 Pole Power Contactors (2NO+2NC main contacts) 3RT25	11
Large Contactors 3RT148	12
Power Contactors with Fail-safe input	13
Communication capable Power Contactors	14
Solid state switching devices - 3RF	15
Auxiliary contact blocks for 3RT/3RH	15
Accessories for 3RT2 and 3RH2 Contactors (S00 to S3)	16
Accessories for 3 Pole 3RT2 & 3RT1 Contactors (S6 to S12)	19
Accessories for 4 Pole Contactor - 3RT23, 3RT13	20
3RA Load Feeders - ready to assemble kits for DOL	22
3RA Load Feeders - ready to assemble kits for R-DOL	23
3RA Load Feeders - ready to assemble kits for Star-Delta	27
3RV29 Infeed System	31
Reversing Contactor Assemblies - 3RA23	32
Star Delta Contactor Assemblies - 3RA24	32
Spares of 3RT Contactors	33
Contactor relays and Power Contactors - 3TH, 3TF	35
2 Pole DC Power Contactors - 3TC	36
Accessories and spares for 3TH, 3TF	36
Spares for 3TC Contactors	38
3TS & 3MT7 Capacitor duty Contactors	40
3TS Converter duty Contactors	40
3TS 2 Pole Contactors	41
Spares for 3TS & 3MT7 Contactors	41
3TS 4 Pole Contactors	42
3TS Single Pole LED Contactors	43
DP Contactors	44

Contents	Page No.
<b>2 Protection Devices</b>	
Thermal Overload Relays - 3RU	47
Microprocessor based overload relay - 3RB	48
Accessories for 3RU/3RB overload relays	49
Thermal overload relays - 3UA / 3UC / Accessories	51
Motor protection circuit breakers - 3RV	52
Accessories for 3RV	55
Motor protection circuit breakers - 3VS	58
Accessories for 3VS/3VU	59
<b>3 Motor Starting Devices</b>	
Digital soft starters and accessories - 3RW30/40/50	61
Digital soft starters and accessories - 3RW52/55	62
3RM1 starter	65
Agriculture and Industrial starters - 3TW/3TE	67
Spares for starters	68
Water level controller	68
<b>4 Timing and Monitoring Devices</b>	
Electronic timers - 3RP	69
Current monitoring relays - 3RR	69
Line monitoring relays - 3UG	69
Thermistor motor protection relays - 3RN2	70
Insulation monitoring relays - 3UG	70
Timing and Monitoring relays - 7PV0 / 7UG0	71
Plug-in-relays - 7RQ	72
<b>5 Commanding and Signaling Devices</b>	
SIRIUS ACT - 3SU	74
Signaling column - 8WN	77
Indicating lamps 3SB5 (complete and modular)	78
Push button - 3SB5	79
Push button stations - 3SB5	80
Accessories - 3SB5	80
<b>6 Detecting Devices</b>	
Position switches - 3SE5	82
Mechanical Safety Switches- 3SE5	85
<b>7 Actuator sensor interface (AS-i)</b>	<b>86</b>
<b>8 SIMOCODE</b>	<b>88</b>
<b>9 Safety Relays &amp; Systems - 3SK</b>	<b>90</b>
<b>10 Power Quality Solution <span style="color: red;">NEW</span></b>	<b>92</b>
<b>11 Type-2 Co-ordination Charts</b>	<b>97</b>
<b>12 Available till stocks last</b>	<b>100</b>
<b>13 Discontinued</b>	<b>102</b>
<b>14 Contact Partners</b>	
Customer care	104
Training centres	106
Offices and territory managers	Back cover



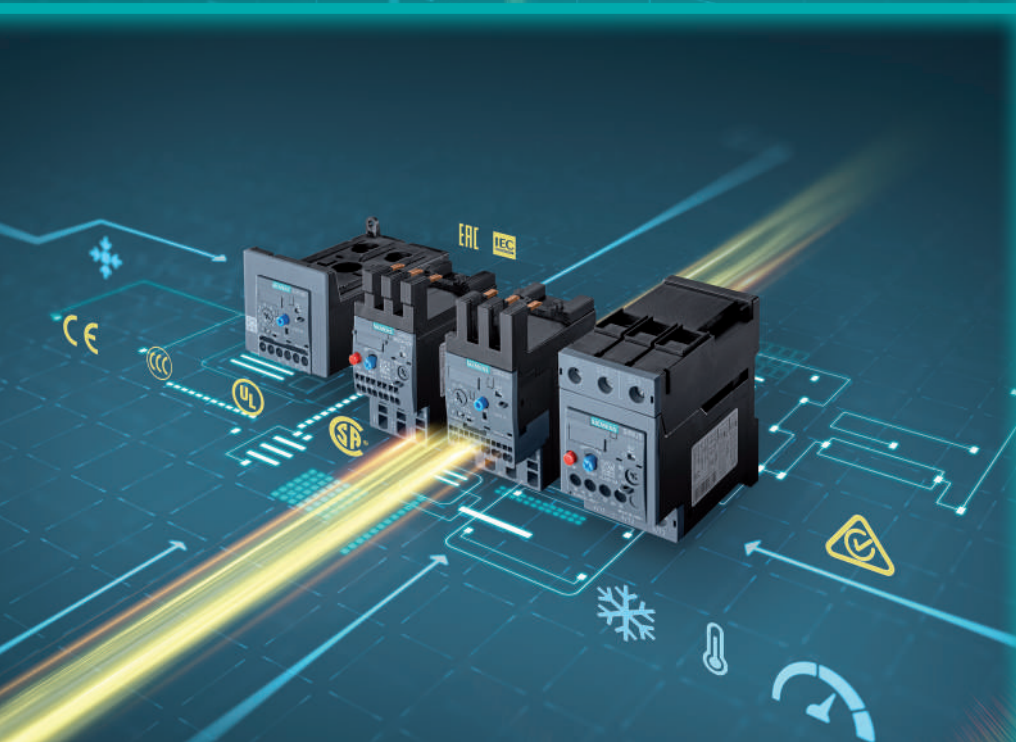


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## Contactor Relays (Auxiliary Contactors)



### 3RH2 (S00) with "Mechanically linked contact elements"

Screw terminals

Size	Operational Current Ie AC-15 at 230V A	Contacts NO	Contacts NC	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
				Type*	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)	Type*	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)
S00	10	4	-	■ 3RH2140-1A..0	1600.-	1	■ 3RH2140-1B..0	2215.-	1
		3	1	■ 3RH2131-1A..0	1600.-	1	■ 3RH2131-1B..0	2215.-	1
		2	2	■ 3RH2122-1A..0	1600.-	1	■ 3RH2122-1B..0	2215.-	1

§@ Please enter coil codes from table below

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'.



## Latched Contactor Relays

Screw terminals

Operational current Ie AC-15 at 230V A	Contacts NO	Contacts NC	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
			Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)	Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)
10	4	-	3RH2440-1A..0	5645.-	1	3RH2440-1B..0	7500.-	1
	3	1	3RH2431-1A..0	5645.-	1	3RH2431-1B..0	7500.-	1
	2	2	3RH2422-1A..0	5645.-	1	3RH2422-1B..0	7500.-	1

§@ Please enter coil codes from table below

For Latched Power Contactors refer 3RT accessory "Mechanical Latching Blocks" on page no. 17

Spring type terminals are not available for latched contactor relays.

### Rated control supply voltages for 3RH21 & 3RH24

\$ AC coil voltage

Code	B0	■ F0	■ P0
Coil voltage 50/60 Hz	24	110	230

@ DC Coil Voltage

Code	■ B4	F4	M4
Coil voltage	24	110	220

1) For ordering contactors with other than above coil voltages, please add Rs. 210/- to the unit LP of standard contactor.

Please contact nearest sales office for other coil voltages

## Contactor Relays (with Low power consumption coil)



### Auxiliary Contactor - 3RH21 Coupling Relays

Screw terminals

Size	Surge Suppressor	Rated operational current Ie AC-15 at 230 V A	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
			NO	NC			
Rated control supply voltage U <sub>s</sub> = 24 V DC, Operating range 0.7 to 1.25xU <sub>s</sub> , Power Consumption 2.8W at 24V DC							
S00	Built in Suppressor Diode	10	4	-	3RH2140-1KB40	2755.-	1
			3	1	3RH2131-1KB40	2755.-	1
			2	2	3RH2122-1KB40	2755.-	1
Rated control supply voltage U <sub>s</sub> = 24 V DC, Operating range 0.85 to 1.85xU <sub>s</sub> , Power Consumption 1.6W at 24V DC							
S00	Built in Suppressor Diode	10	4	-	3RH2140-1SB40	3925.-	1
			3	1	3RH2131-1SB40	3925.-	1
			2	2	3RH2122-1SB40	3925.-	1

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'

Note: 3RH21 Coupling Relays - Add-on Auxiliary contact blocks not applicable

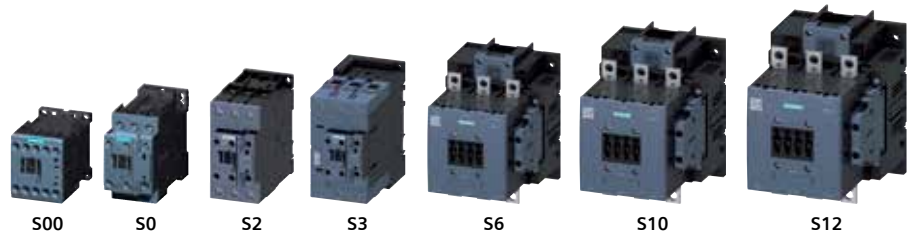
■ Stock items

LP - List Price

# Power Contactors

## 3RT (S00 to S12) with "Mirror contacts elements"

Screw terminals



Size	AC-3 operational current Ie upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
				Type*	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)	Type*	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)
S00	7	3	1NO	3RT2015-1A..1	1360.-	1	3RT2015-1B..1	2105.-	1
			1NC	3RT2015-1A..2	1360.-	1	3RT2015-1B..2	2105.-	1
	9	4	1NO	3RT2016-1A..1	1430.-	1	3RT2016-1B..1	2290.-	1
			1NC	3RT2016-1A..2	1430.-	1	3RT2016-1B..2	2290.-	1
	12	5.5	1NO	3RT2017-1A..1	1605.-	1	3RT2017-1B..1	2650.-	1
			1NC	3RT2017-1A..2	1605.-	1	3RT2017-1B..2	2650.-	1
	16	7.5	1NO	3RT2018-1A..1	1905.-	1	3RT2018-1B..1	3115.-	1
			1NC	3RT2018-1A..2	1905.-	1	3RT2018-1B..2	3115.-	1
S0	25	11	1NO+1NC	3RT2026-1A..0	2825.-	1	3RT2026-1B..0	4900.-	1
	32	15	1NO+1NC	3RT2027-1A..0	5510.-	1	3RT2027-1B..0	9965.-	1
	38	18.5	1NO+1NC	3RT2028-1A..0	7885.-	1	3RT2028-1B..0	11845.-	1
	40	18.5	1NO+1NC	3RT2028-1A..00JA0 <sup>#</sup>	8315.-	1	3RT2028-1B..00JA0 <sup>#</sup>	12410.-	1

Size	AC-3 operational current Ie upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	AC Coil <sup>§</sup>			AC/DC Coil <sup>€</sup>		
				Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)	Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)
S2	50	22	1NO+1NC	3RT2036-1A..0	10750.-	1	3RT2036-1N..0	17255.-	1
	65	30	1NO+1NC	3RT2037-1A..0	14935.-	1	3RT2037-1N..0	19550.-	1
	80	37	1NO+1NC	3RT2038-1A..0	18580.-	1	3RT2038-1N..0	23810.-	1
S3	95	45	1NO+1NC	3RT2046-1A..0	23360.-	1	3RT2046-1N..0	29570.-	1
	110	55	1NO+1NC	3RT2047-1A..0	29455.-	1	3RT2047-1N..0	37395.-	1

Size	AC-3 operational current Ie upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	AC/DC Coils (Conventional Type) <sup>€</sup>			AC/DC Coils (Solid-state op. mech for 24V DC operation) <sup>€</sup>		
				Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	2NO+2NC	3RT10 54-6A.36 8K	29590.-	1	3RT10 54-6N.36	37290.-	1
	150	75	2NO+2NC	3RT10 55-6A.36 8K	38000.-	1	3RT10 55-6N.36	46330.-	1
	185	90	2NO+2NC	3RT10 56-6A.36 8K	47535.-	1	3RT10 56-6N.36	56445.-	1
S10	225	110	2NO+2NC	3RT10 64-6A.36 8K	50705.-	1	3RT10 64-6N.36	62025.-	1
	265	132	2NO+2NC	3RT10 65-6A.36 8K	61405.-	1	3RT10 65-6N.36	73920.-	1
	300	160	2NO+2NC	3RT10 66-6A.36 8K	73365.-	1	3RT10 66-6N.36	87005.-	1
S12	400	200	2NO+2NC	3RT10 75-6A.36 8K	88150.-	1	3RT10 75-6N.36	100210.-	1
	500	250	2NO+2NC	3RT10 76-6A.36 8K	122030.-	1	3RT10 76-6N.36	143195.-	1

§@€ Please enter coil codes from table below    € available with universal operation    # 40A Size S0 3RT2028 contactor is available with screw type terminals only  
 \* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0.

### Rated control supply voltages

(For 3RT2 Change the 10th & 11th digit and for 3RT1 Change the 10th digit of Type no.)

#### \$ - AC operation 50/60Hz

Contactor type	3RT20 1	3RT20 2	3RT20 3	3RT20 4
Size	S00	S0	S2	S3
24 V AC	B0	C2	C2	C2
110 V AC	F0	G2	G2	G2
230 V AC	P0	L2	L2	L2

#### @ - DC operation

Contactor type	3RT20 1, 3RH2	3RT20 2	3RT20 3	3RT20 4
Size	S00	S0	S2	S3
24 V DC	B4	B4	-	-
110 V DC	F4	F4	-	-
220 V DC	M4	M4	-	-

#### € - Universal operation (AC / DC) for 3RT2 S2, S3 and for 3RT1 S6, S10, S12

Contactor Type	3RT203.-N	3RT204.-N	Contactor Type	3RT1_Conventional Coil	Contactor Type	3RT1_Solid-State Coil
Size	S2	S3	Size	S6, S10, S12	Size	S6, S10, S12
20...33 V AC/DC	B3	B3	110...127 V AC/DC	F	96...127 V AC/DC	F
83...155 V AC/DC	F3	F3	220...240 V AC/DC	P	200...277 V AC/DC	P
175...280 V AC/DC	P3	P3				

1) For ordering contactors with other than above coil voltages, please add Rs. 210/- to the unit LP of standard contactor of the same rating. Please contact nearest sales office for other coil voltages

**Note:** All SIRIUS 3RT20 / 3RT10 contactors (with at least 1 NC auxiliary contact) are tested to "Mirror contacts" characteristics in conjunction with auxiliary contacts ever since the launch of product

■ Stock items



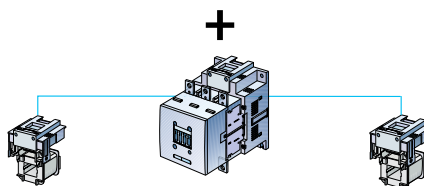
# Power Contactors

## 3RT (S6, S10, S12) with "Mirror contacts elements"

Withdrawable coils and integrated varistor in coil circuit

Contactor without operating coil (Please order coil separately)

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	2NO+2NC	3RT1054-6LA068K	23110.-	1
	150	75	2NO+2NC	3RT1055-6LA068K	31480.-	1
	185	90	2NO+2NC	3RT1056-6LA068K	41145.-	1
S10	225	110	2NO+2NC	3RT1064-6LA068K	42320.-	1
	265	132	2NO+2NC	3RT1065-6LA068K	52725.-	1
	300	160	2NO+2NC	3RT1066-6LA068K	64615.-	1
S12	400	200	2NO+2NC	3RT1075-6LA068K	73270.-	1
	500	250	2NO+2NC	3RT1076-6LA068K	106745.-	1



### Coil - Conventional operating mechanism

Size	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	23...26	3RT1955-5AB318K	5080.-	1
	110...127	3RT1955-5AF318K		1
	220...240	3RT1955-5AP318K		1
	380...420	3RT1955-5AV318K		1
	500...550	3RT1955-5AS31		1
S10	23...26	3RT1965-5AB31	7475.-	1
	110...127	3RT1965-5AF318K		1
	220...240	3RT1965-5AP318K		1
	380...420	3RT1965-5AV318K		1
	500...550	3RT1965-5AS31		1
S12	23...26	3RT1975-5AB31	14005.-	1
	110...127	3RT1975-5AF318K		1
	220...240	3RT1975-5AP318K		1
	380...420	3RT1975-5AV31		1
	500...550	3RT1975-5AS31		1

### Coil - Solid state op. mech. (24 V DC PLC o/p)

Size	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	21...27.3	3RT1955-5NB31	9980.-	1
	96...127	3RT1955-5NF31		1
	200...277	3RT1955-5NP31		1
	21...27.3	3RT1965-5NB31		1
S10	96...127	3RT1965-5NF31	14865.-	1
	200...277	3RT1965-5NP31		1
S12	21...27.3	3RT1975-5NB31	19825.-	1
	96...127	3RT1975-5NF31		1
	200...277	3RT1975-5NP31		1

or

**NEW** Specially designed coil for mining applications offers complete operating range from 400V to 605V AC/DC

### 3RT2 (S0)

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	AC Coil <sup>S</sup>			DC Coil <sup>®</sup>		
				Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)	Type	Unit LP <sup>1)</sup> ₹	Std. pkg. (nos.)
<b>3RT2 Size S0 Contactor</b>									
S0	9	4	1NO + 1NC	3RT2023-1A..0	1740.-	1	3RT2023-1B..0	2860.-	1
	12	5.5	1NO + 1NC	3RT2024-1A..0	1955.-	1	3RT2024-1B..0	3165.-	1
	17	7.5	1NO + 1NC	3RT2025-1A..0	2275.-	1	3RT2025-1B..0	3905.-	1

\$ @ Change the 10th and 11th digit of the Article No.

### \$ - AC operation 50/60Hz

Contactor type	3RT20 2
Size	S0
24 V AC	C2
110 V AC	G2
230 V AC	L2

### @ - DC operation

Contactor type	3RT20 2
Size	S0
24 V DC	B4
110 V DC	F4
220 V DC	M4

1) For ordering contactors (3RT2 S0) with other than above coil voltages, please add Rs. 210/- to the unit LP of standard contactor of the same rating. Please contact nearest sales office for other coil voltages

■ Stock items

LP - List Price

# SIEMENS



## Widest Range of Energy Efficient Contactors

When you go for Energy Efficiency improvement of your plant or a machine, just DON'T Stop at big items like Motors, HVAC etc.

Generally overlooked product like a CONTACTOR can also contribute much more, when it comes to Energy Efficiency improvement.

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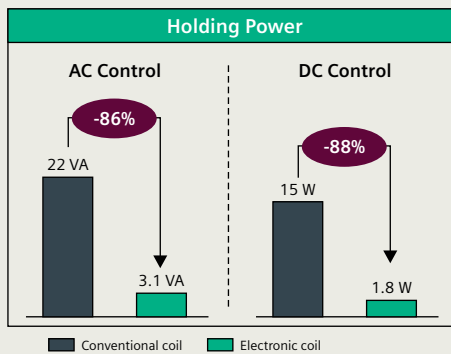
### SIRIUS - Energy Efficient Contactor Portfolio (9A to 500A AC-3)

Contactor coil consumes continuous power as long as in operation



3RT20 | 95A AC-3

Typical Holding Power data comparison



Contactors with Electronic coil can be up to **88%** more Energy Efficient as compared to conventional AC or DC contactor

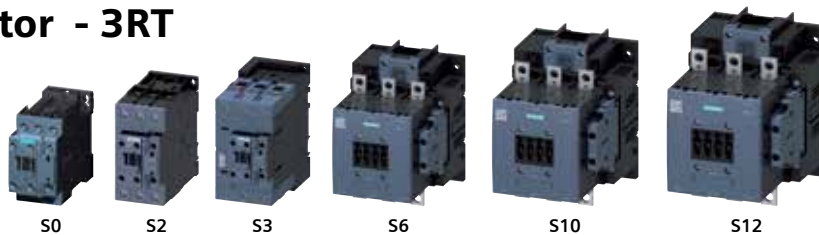
Typical Coil Consumption (Holding)

Current Range	Model	Control Type	Conventional Coil	Electronic Coil
12-38A AC-3   3RT202.-1N..0	AC Control	DC Control	1.4 W	1.9 VA
		AC Control	1.9 VA	1.4 W
50-80A AC-3   3RT203.-1N..0	AC Control	DC Control	1 W	2 VA
		AC Control	2 VA	1 W
95-110A AC-3   3RT204.-1N..0	AC Control	DC Control	1.8 W	3.1 VA
		AC Control	3.1 VA	1.8 W
115-185A AC-3   3RT105.-6N.36	AC Control	DC Control	2.1 W	3.5 VA
		AC Control	3.5 VA	2.1 W
225-300A AC-3   3RT106.-6N.36	AC Control	DC Control	2.8 W	5.5 VA
		AC Control	5.5 VA	2.8 W
400-500A AC-3   3RT107.-6N.36	AC Control	DC Control	3 W	5.6 VA
		AC Control	5.6 VA	3 W



# Energy Efficient Power Contactor - 3RT

(Electronic Coil - Universal AC/DC operation)



## Screw terminals

Size	Surge Suppressor	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
				NO	NC			
Extended operating range 0.7 to 1.3 x U <sub>s</sub>								
S0	Varistor integrated	9	4	1	1	3RT2023-1N..0	3395.-	1
		12	5.5	1	1	3RT2024-1N..0	3985.-	1
		17	7.5	1	1	3RT2025-1N..0	4480.-	1
		25	11	1	1	3RT2026-1N..0	6315.-	1
		32	15	1	1	3RT2027-1N..0	12920.-	1
		38	18.5	1	1	3RT2028-1N..0	14970.-	1
Extended operating range 0.8 to 1.1 x U <sub>s</sub>								
S2	Varistor integrated	50 ... 80	22 ... 37	1	1	refer page no. 6		
S3	Varistor integrated	95 ... 110	45 ... 55	1	1	refer page no. 6		
S6-12	Varistor integrated	115 ... 500	55 ... 250	2	2	refer page no. 6 & 7		

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S0

Contactor type	3RT202..-1N
Size	S0
21 ... 28 V AC/DC	B3
95 ... 130 V AC/DC	F3
200 ... 280 V AC/DC	P3

# Power Contactors - 3RT20 coupling relays (PLC interface relay)



## Screw terminals

Size	Surge Suppressor	AC-3 Operational Current I <sub>e</sub> upto 415V A	Rating of induction motor at 50 Hz and 415V	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
				NO	NC			
Rated control supply voltage U <sub>s</sub> = 24 V DC, Operating range 0.7 to 1.25 x U <sub>s</sub> , Holding power consumption 2.8W at 24V DC								
S00	Built in suppressor Diode	7	3	1	-	3RT2015-1KB41	2385.-	1
				-	1	3RT2015-1KB42	2385.-	1
		9	4	1	-	3RT2016-1KB41	2710.-	1
				-	1	3RT2016-1KB42	2710.-	1
		12	5.5	1	-	3RT2017-1KB41	2795.-	1
				-	1	3RT2017-1KB42	2795.-	1
Rated control supply voltage U <sub>s</sub> = 24 V DC, Operating range 0.7 to 1.25 x U <sub>s</sub> , Holding Power Consumption 4.5W at 24V DC								
S0	Varistor integrated	12	5.5	1	1	3RT2024-1KB40	3320.-	1
		17	7.5	1	1	3RT2025-1KB40	5070.-	1
		25	11	1	1	3RT2026-1KB40	6115.-	1
		32	15	1	1	3RT2027-1KB40	10350.-	1
Rated control supply voltage U <sub>s</sub> = 24 V DC, Operating range 0.8 to 1.2 x U <sub>s</sub> , Holding Power Consumption 1W at 24V DC								
S2	Varistor integrated	50	22	1	1	3RT2036-1KB40	17935.-	1
		65	30	1	1	3RT2037-1KB40	20145.-	1
		80	37	1	1	3RT2038-1KB40	24030.-	1
Rated control supply voltage U <sub>s</sub> = 24V DC, Operating range 0.8 to 1.2 x U <sub>s</sub> , Holding Power Consumption 0.9W at 24V DC								
S3	Varistor integrated	95	45	1	1	3RT2046-1KB40	30035.-	1

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0  
 Add-on Auxiliary contact blocks: S00: Not applicable, S0: Laterally mountable, S2/S3: Front and Laterally mountable

# Vacuum Contactors - 3RT12

### Benefits

- AC-3 electrical life expectancy of about 2.5 million operation
- Contacts in the tube will not weld. Arc contained, therefore no gas generated nor flash during operation
- No deration of rated current up to 1000V AC for 3RT12 and up to 690V AC for 3TF6
- Visual inspection window for inspection of contact erosion available for 3RT12

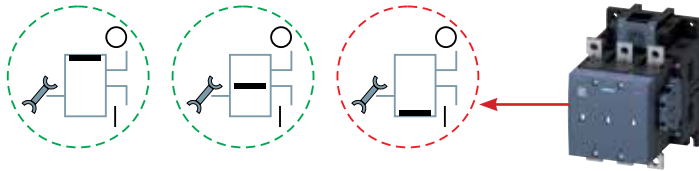
with universal coil (AC/DC) Coils, 2NO+2NC aux. contacts

Contactor size	Rated current Ie (A) AC3 upto 415V	Type <sup>€</sup>	Unit LP ₹	Std. pkg. (nos.)
10	225	3RT1264-6A..6	144625.-	1
10	265	3RT1265-6A..6	170840.-	1
10	300	3RT1266-6A..6	187125.-	1
12	400	3RT1275-6A..6	236590.-	1
12	500	3RT1276-6A..6	307445.-	1

€ Coil voltage (AC/DC) - Please enter coil codes from table below

Code	B3	F3	P3	V3
Coil voltage (V)	23-26	110-127	220-240	380-420

Note: Contactors with Energy Efficient coils available on request



# Vacuum Contactors - 3TF6

Size	Rated current (A) Ie AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil				DC coil			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
14	630	355	4NO + 4NC	3TF6844-0C..	346810.-	1	3NO + 3NC	3TF6833-1D.. <sup>1)</sup>	387745.-	1
	820	450	4NO + 4NC	3TF6944-0C..	515270.-	1	3NO + 3NC	3TF6933-1D.. <sup>1)</sup>	592245.-	1

For coil codes & foot note (1) refer page no. 35

# Power Contactors - 3RT with indication of Remaining LifeTime (RLT)

## Withdrawable coils and integrated surge suppressor

### Benefits

- Early warning to replace contacts
- Optimum utilization of contact material
- Visual inspection of condition of contacts no longer necessary
- Reduction of operating costs
- Optimum planning of maintenance schedules
- Avoidance of unforeseen plant downtimes

Size	AC-3 Operational Current Ie upto 415 V <sup>1)</sup> A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	1NO+1NC	96...127	3RT1054-1PF35	45255.-	1
			1NO+1NC	220...277	3RT1054-1PP35	45255.-	
	150	75	1NO+1NC	96...127	3RT1055-6PF35	53760.-	1
			1NO+1NC	220...277	3RT1055-6PP35	53760.-	
S10	185	90	1NO+1NC	96...127	3RT1056-6PF35	63525.-	1
			1NO+1NC	220...277	3RT1056-6PP35	63525.-	
	225	110	1NO+1NC	96...127	3RT1064-6PF35	67290.-	1
			1NO+1NC	220...277	3RT1064-6PP35	67290.-	
265	132	1NO+1NC	96...127	3RT1065-6PF35	79315.-	1	
		1NO+1NC	220...277	3RT1065-6PP35	79315.-		
300	160	1NO+1NC	96...127	3RT1066-6PF35	92420.-	1	
		1NO+1NC	220...277	3RT1066-6PP35	92420.-		
S12	400	200	1NO+1NC	96...127	3RT1075-6PF35	104645.-	1
			1NO+1NC	220...277	3RT1075-6PP35	104645.-	
	500	250	1NO+1NC	96...127	3RT1076-6PF35	155080.-	1
		1NO+1NC	220...277	3RT1076-6PP35	155080.-		

1) For size S6 to S12 size contactors, operating current Ie is valid up to 500V

LEDs on the contactor

LED-Displays	new	60%	40%	20%
green	RLT	RLT	RLT	RLT
green	60%	60%	60%	60%
orange	40%	40%	40%	40%
red	20%	20%	20%	20%
	OReset	OReset	OReset	OReset

RLT contactor

### 3 Pole AC1 Duty Contactors



Size	AC-1 operational current I <sub>e</sub> upto 690V A	AC Coil <sup>§</sup>			AC/DC Coil <sup>€</sup>		
		Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S3	140	3RT2446-1A..0	21555.-	1	3RT2446-1N..0	27390.-	1

Size	AC-1 operational current I <sub>e</sub> upto 690V A	Auxiliary Contacts	Type <sup>€</sup>	Unit LP ₹	Std. pkg. (nos.)
S6	275	2NO+2NC	3RT1456-6A..68K	52720.-	1
S10	400	2NO+2NC	3RT1466-6A..68K	71920.-	1
S12	690	2NO+2NC	3RT1476-6A..68K	149180.-	1

### 4 Pole Power Contactors



With 4NO main contacts

Contactor size	Rated current I <sub>e</sub> (A) AC1, 415V	Auxiliary Contacts		AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
		NO	NC	Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S00	18	-	-	3RT2316-1A..0	2515.-	1	3RT2316-1B..0	4075.-	1
	22	-	-	3RT2317-1A..0	2605.-	1	3RT2317-1B..0	4340.-	1
S0	35	1	1	3RT2325-1A..0	2900.-	1	3RT2325-1B..0	5190.-	1
	40	1	1	3RT2326-1A..0	4505.-	1	3RT2326-1B..0	8005.-	1
	50	1	1	3RT2327-1A..0	5445.-	1	3RT2327-1B..0	10195.-	1
S2	60	1	1	3RT2336-1A..0	12005.-	1	3RT2336-1N..0 <sup>€</sup>	14905.-	1
	110	1	1	3RT2337-1A..0	20095.-	1	3RT2337-1N..0 <sup>€</sup>	22490.-	1
S3	140	1	1	3RT2346-1A..0	22340.-	1	3RT2346-1N..0 <sup>€</sup>	28885.-	1
	160	1	1	3RT2348-1A..0	25910.-	1	3RT2348-1N..0 <sup>€</sup>	30705.-	1



With 4NO main contacts

Size	AC-1 operational current I <sub>e</sub> upto 690V A	Auxiliary Contacts	Type <sup>€</sup>	Unit LP ₹	Std. pkg. (nos.)
S6	200	2NO+2NC	3RT1355-6A..6	45310.-	1
S10	275	2NO+2NC	3RT1363-6A..6	67000.-	1
	350	2NO+2NC	3RT1364-6A..6	86090.-	1
S12	400	2NO+2NC	3RT1373-6A..6	99830.-	1
	500	2NO+2NC	3RT1374-6A..6	120935.-	1
	525	2NO+2NC	3RT1375-6A..6	134930.-	1



With 2NO+2NC main contacts

size	AC-1 operational current I <sub>e</sub> upto 415V A	Auxiliary Contacts		AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
		NO	NC	Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S00	18	-	-	3RT2516-1A..0	2660.-	1	3RT2516-1B..0	3460.-	1
	22	-	-	3RT2517-1A..0	3125.-	1	3RT2517-1B..0	5105.-	1
S0	40	1	1	3RT2526-1A..0	5260.-	1	3RT2526-1B..0	9510.-	1
S2	60	1	1	3RT2535-1A..0	13800.-	1	3RT2535-1N..0 <sup>€</sup>	18015.-	1
	70	1	1	3RT2536-1A..0	17805.-	1	3RT2536-1N..0 <sup>€</sup>	20440.-	1
S3	100	1	1	3RT2544-1A..0	19950.-	1	3RT2544-1N..0 <sup>€</sup>	23575.-	1
	125	1	1	3RT2545-1A..0	22215.-	1	3RT2545-1N..0 <sup>€</sup>	27985.-	1

**Rated control supply voltage** (Change of the 10th and 11th digit of the Article No.)

**\$ - AC operation**

Contactor type	3RT23, 3RT25	3RT24
Size	S00 (50/60Hz), S0, S2, S3 (50 Hz)	S3 (50/60Hz)
24 V AC	B0	C2
110 V AC	F0	G2
230 V AC	P0	L2

**@ - DC operation**

Contactor type	3RT23, 3RT25
Size	S00, S0
24 V DC	B4
110 V DC	F4
220 V DC	M4

**€ - Universal operation AC / DC**

Contactor type	3RT23, 3RT25, 3RT24
Size	S2, S3
20 ... 33	B3
175 ... 280	P3

Contactor Type	3RT13
Size	S6, S10, S12
24 ... 60	E3
48 ... 130	F3
100 ... 250	P3
250 ... 500	R3

Contactor type	3RT 14
Size	S6, S10, S12
20 ... 26	B3
110 ... 127	F3
220 ... 240	P3



## SIRIUS 3RT14, 3-pole Large Contactors for high currents

[www.siemens.com/SIRIUS](http://www.siemens.com/SIRIUS)

NEW

Type*	Rating data		Lateral Auxiliary Contacts		Rated control supply voltage U	
	Operating Current $I_e$ (A) AC1	Rated voltage $U_e$	NO	NC	V (AC 50/60 Hz)	V (DC)
3RT1481-6AF36 3RT1481-6AP36	900A	1000V	2	2	100...127 200...240	100...110 200...220
3RT1482-6AF36 3RT1482-6AP36	1050A	1000V	2	2	100...127 200...240	100...110 200...220
3RT1483-6AP36	1260A	1000V	2	2	100...240	100...220
3RT1485-6AP36	1700A	1000V	2	2	100...240	100...220
3RT1486-6AP36	2100A	1000V	2	2	100...240	100...220
3RT1487-6AP36	2650A	1000V	2	2	100...240	100...220

\*Price on request

## The world's first contactor with maximum benefits in safety applications!



SIRIUS Innovation contactors from size S6 to S12 (55 to 250kW) has been now expanded to include versions suitable for direct control from fail-safe controllers and safety relays which is first of its kind in the market.

This makes it possible to attain SIL 2 and/or PL c with just one contactor and SIL 3 and/or PL e with two contactors in series according to IEC 62061 and ISO 13849-1

[www.siemens.com/SIRIUS](http://www.siemens.com/SIRIUS)

### Advantages at a glance

01

#### Digital input directly on board

First contactor with certified, digital input for activation from fail-safe or standard controllers

03

#### Maximum Safety level

Certified inputs enables devices to be used up to the highest safety level (SIL 3 / PL e)

02

#### Time & Cost saving

Reduced wiring and configuration efforts  
Cost optimization of additional coupling level

04

#### Everything from single source

Complements safety solutions offered by the SIRIUS modular system



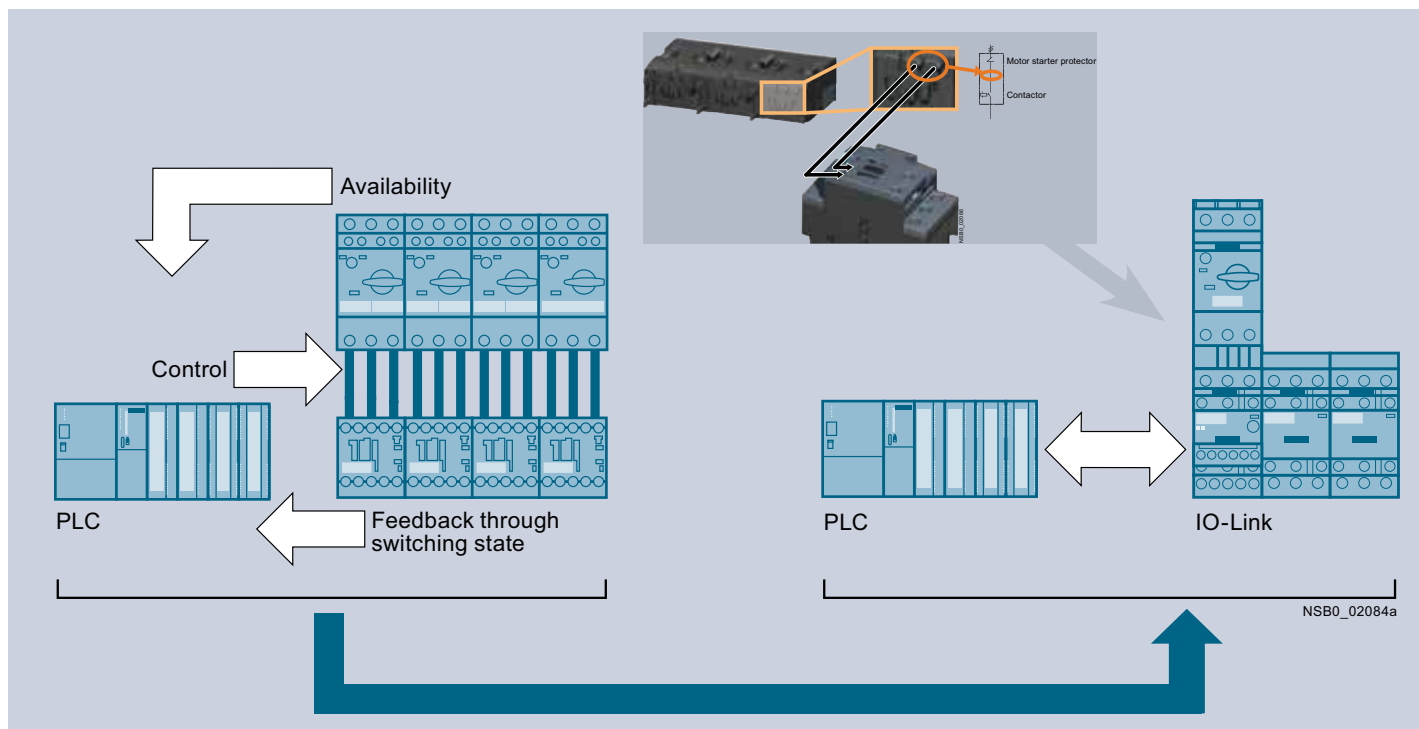
S6 S10 S12

### SIRIUS Innovation Contactors with fail-safe input

Size	AC-3 operational current Ie upto 415V A	Motor rating at 415V, 50Hz kW	Permanently Mounted Auxiliary Contacts	Rated control supply voltages Us AC/DC	Type	Unit LP ₹	Std Pkg. (nos.)
S6	115	55	2NO+2NC	96...127	3RT1054-6SF36-3PA0	41765.-	1
				220...227	3RT1054-6SP36-3PA0	41765.-	
	150	75	2NO+2NC	96...127	3RT1055-6SF36-3PA0	51885.-	1
				220...227	3RT1055-6SP36-3PA0	51885.-	
	185	90	2NO+2NC	96...127	3RT1056-6SF36-3PA0	60970.-	1
				220...227	3RT1056-6SP36-3PA0	60970.-	
S10	225	110	2NO+2NC	96...127	3RT1064-6SF36-3PA0	66990.-	1
				220...227	3RT1064-6SP36-3PA0	66990.-	
	265	132	2NO+2NC	96...127	3RT1065-6SF36-3PA0	79830.-	1
				220...227	3RT1065-6SP36-3PA0	79830.-	
	300	160	2NO+2NC	96...127	3RT1066-6SF36-3PA0	92225.-	1
				220...227	3RT1066-6SP36-3PA0	92225.-	
S12	400	200	2NO+2NC	96...127	3RT1075-6SF36-3PA0	106235.-	1
				220...227	3RT1075-6SP36-3PA0	106235.-	
	500	250	2NO+2NC	96...127	3RT1076-6SF36-3PA0	151785.-	1
				220...227	3RT1076-6SP36-3PA0	151785.-	



# Communication capable Power Contactors



Rated control supply voltage  $U_s = 24\text{ V DC}$   
Screw terminals

Size	AC-3 Operational Current $I_e$ upto 415V		Motor rating at 415V, 50 Hz	Auxiliary contacts	Type*	Unit LP ₹	Std. pkg. (nos.)
	A	kW					
S00	7	3	3	1NO	3RT2015-1BB41-0CC0	2520.-	1
				1NC	3RT2015-1BB42-0CC0		
	9	4	4	1NO	3RT2016-1BB41-0CC0	2745.-	1
				1NC	3RT2016-1BB42-0CC0		
	12	5.5	5.5	1NO	3RT2017-1BB41-0CC0	3155.-	1
				1NC	3RT2017-1BB42-0CC0		
16	7.5	7.5	1NO	3RT2018-1BB41-0CC0	3735.-	1	
			1NC	3RT2018-1BB42-0CC0			
S0	9	4	4	1NO + 1NC	3RT2023-1BB40-0CC0	3345.-	1
	12	5.5	5.5	1NO + 1NC	3RT2024-1BB40-0CC0	3675.-	1
	17	7.5	7.5	1NO + 1NC	3RT2025-1BB40-0CC0	5150.-	1
	25	11	11	1NO + 1NC	3RT2026-1BB40-0CC0	6225.-	1
	32	15	15	1NO + 1NC	3RT2027-1BB40-0CC0	10420.-	1
	38	18.5	18.5	1NO + 1NC	3RT2028-1BB40-0CC0	14400.-	1
S2	50	22	22	1NO + 1NC	3RT2036-1NB30-0CC0 <sup>€</sup>	17935.-	1
	65	30	30	1NO + 1NC	3RT2037-1NB30-0CC0 <sup>€</sup>	20205.-	1
	80	37	37	1NO + 1NC	3RT2038-1NB30-0CC0 <sup>€</sup>	24530.-	1
S3	95	45	45	1NO + 1NC	3RT2046-1NB30-0CC0 <sup>€</sup>	32040.-	1
	110	55	55	1NO + 1NC	3RT2047-1NB30-0CC0 <sup>€</sup>	39665.-	1

\*For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' for S00, S0  
<sup>€</sup> - Universal operation 20...33V AC / DC

## Solid state switching devices - 3RF

Solid state contactless switching for application requiring frequent switching

- Compact 22.5mm design with built in LED & finger touch proof protection
- Blocking voltage 1200V

- Main voltage 48-460V AC
- Control voltage 4-30V DC
- Zero point switching



Rated current AC51 (max)	Type	Unit LP ₹	Std. pkg. (kits)
20	3RF2120-1AA45 <sup>§</sup>	2820.-	1
30	3RF2130-1AA45 <sup>§</sup>	4360.-	1
50	3RF2150-1AA45 <sup>§</sup>	7250.-	1
70	3RF2170-1AA45 <sup>§</sup>	8415.-	1
90	3RF2190-1AA45 <sup>§</sup>	10410.-	1

Contact your nearest Siemens partner to know more about

- 3RF20 solid state relays with 45mm design for resistive loads
- 3RF23 single phase solid state contactors with built in heatsink for resistive/inductive loads
- 3RF24 three phase solid state contactors with built-in heat sink for resistor loads upto 50A
- Add on function modules to achieve extended functionality

§ To be used along with suitable heatsink, other voltages upon enquiry

## Accessories for 3RH2 & 3RT2 Contactors (S00 / S0 / S2 / S3)

Auxiliary Contact Blocks (S00 / S0 / S2 / S3)

for snapping onto the front

For	NO	NC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00 / S0 / S2 / S3	1	-	3RH2911-1HA10	315.-	1
	-	1	3RH2911-1HA01		1
	2	-	3RH2911-1HA20	440.-	1
	1	1	3RH2911-1HA11		1
	-	2	3RH2911-1HA02		1
	2	2	3RH2911-1HA22		1
	3	1	3RH2911-1HA31	785.-	1
	4	-	3RH2911-1FA40		1



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

Laterally mountable auxiliary switch blocks on left and / or right

For	NO	NC	Type*1)	Unit LP ₹	Std. pkg. (nos.)
S00 / S0 / S2 / S3	-	2	3RH2921-1DA02	940.-	1
	1	1	3RH2921-1DA11		1
	2	-	3RH2921-1DA20		1



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

1) Only left side mounting possible for 3RH2 contactor relays

## Accessories for 3 Pole 3RT1 Contactors (S6 - S12)

Auxiliary Contact Blocks (S6 - S12)

Size	NO	NC	#NO	#NC	Type	Unit LP ₹	Std. pkg. (nos.)
<b>1 Pole Front mounted Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)</b>							
S6 - S12	1	-	-	-	3RH1921-1CA10	235.-	10
	-	1	-	-	3RH1921-1CA01		10
	-	-	1	-	3RH1921-1CD10	465.-	10
	-	-	-	1	3RH1921-1CD01		10
<b>2 Pole First Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)</b>							
S6 - S12	2	-	-	-	3RH1921-1EA20	1000.-	1
	1	1	-	-	3RH1921-1EA11		1
	-	2	-	-	3RH1921-1EA02		1
<b>2 Pole Second Laterally mountable Auxiliary Contact blocks S6 - S12 (3RT1.5 ... 3RT1.7)</b>							
S6 - S12	2	-	-	-	3RH1921-1KA20	1000.-	1
	1	1	-	-	3RH1921-1KA11		1
	-	2	-	-	3RH1921-1KA02		1



# Delayed actuation

# Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

## Surge suppressors

### Screw and spring terminals

Size	For Contactor	Version	AC Operation	DC Operation	Type	Unit LP ₹	Std. pkg. (nos.)
			Rated control supply voltage (U <sub>s</sub> )				
			V AC	V DC			
<b>for 3RH2 &amp; 3RT2 Size S00</b>							
S00	3RT2.1 & 3RH2.	Varistors (with LED)	24 ... 48	12 ... 24	■ 3RT2916-1JJ00	715.-	1
			48 ... 127	24 ... 70	■ 3RT2916-1JK00		1
			127 ... 240	70 ... 150	■ 3RT2916-1JL00		1
			--	150 ... 250	■ 3RT2916-1JP00		1
		RC Elements	24 ... 48	24 ... 70	■ 3RT2916-1CB00		1
			48 ... 127	70 ... 150	■ 3RT2916-1CC00		1
			127 ... 240	150 ... 250	■ 3RT2916-1CD00		1
		Diode assemblies	--	12 ... 250	■ 3RT2916-1EH00		1
		Diode with LED	--	24 ... 70	■ 3RT2916-1LM00		1
		Additional load modules	180 ... 255	--	■ 3RT2916-1GA00		1
<b>for 3RT2 Size S0</b>							
S0	3RT2.2	Varistors	24 ... 48	24 ... 70	■ 3RT2926-1BB00	950.-	1
			48 ... 127	70 ... 150	■ 3RT2926-1BC00		1
			127 ... 240	150 ... 250	■ 3RT2926-1BD00		1
			240 ... 400	--	■ 3RT2926-1BE00		1
		RC Elements	24 ... 48	24 ... 70	■ 3RT2926-1CB00		1
			48 ... 127	70 ... 150	■ 3RT2926-1CC00		1
			127 ... 240	150 ... 250	■ 3RT2926-1CD00		1
			240 ... 400	--	■ 3RT2926-1CE00		1
		Diode assemblies	--	24	■ 3RT2926-1ER00		1
		--	30 ... 250	■ 3RT2926-1ES00	1		
Varistor with LED	127 ... 240	70 ... 150	■ 3RT2926-1JL00	1			
<b>for 3RT2 Size S2 &amp; S3</b>							
S2, S3	3RT2.3 3RT2.4	Varistors <sup>1)</sup>	24 ... 48	--	■ 3RT2936-1BB00	1115.-	1
			48 ... 127	--	■ 3RT2936-1BC00		1
			127 ... 240	--	■ 3RT2936-1BD00		1
			240 ... 400	--	■ 3RT2936-1BE00		1
			400 ... 600	--	■ 3RT2936-1BF00		1
		Diode assemblies	--	24	■ 3RT2936-1ER00		1
			--	30 ... 250	■ 3RT2936-1ES00		1
		Varistors with LED	127 ... 240	70 ... 150	■ 3RT2936-1JL00		1
<b>for 3RT2 Size S2 - RC Element</b>							
S2	3RT2.3	RC Elements	24 ... 48	24 ... 70	■ 3RT2936-1CB00	1115.-	1
			48 ... 127	70 ... 150	■ 3RT2936-1CC00		1
			127 ... 240	150 ... 250	■ 3RT2936-1CD00		1
			240 ... 400	--	■ 3RT2936-1CE00		1
<b>for 3RT2 Size S3 - RC Element</b>							
S3	3RT2.4	RC Elements	24 ... 48	24 ... 70	■ 3RT2946-1CB00	1115.-	1
			48 ... 127	70 ... 150	■ 3RT2946-1CC00		1
			127 ... 240	150 ... 250	■ 3RT2946-1CD00		1
			240 ... 400	--	■ 3RT2946-1CE00		1

1) In 3RT2 universal coil varistor is in-built

## Sealable Covers

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S00, S0, S2, S3	3RT2 & 3RH2 <sup>®</sup>	3RT2916-4MA10	230.-	1 pack = 5 units

<sup>®</sup> Exception: Contactors and contactor relays auxiliary switch block mounted onto the front

## Safety main current connectors for 2 contactors

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S00	3RT2	3RA2916-1A	1425.-	1
S0		3RA2926-1A		1
S2		3RA2936-1A		1

■ Stock items



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

### Coil terminal modules for S0, S2, S3

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
Connection from top	3RT2	3RT2926-4RA11	415.-	1
Connection from below		3RT2926-4RB11		1
Connection diagonally		3RT2926-4RC11		1



### Coupling links for control by PLC

for mounting onto the coil terminals of the contactors

Size	For Contactor	Mounting	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT2.2	onto the coil terminals of the contactors	3RH2924-1GP11	2215.-	1
S00, S0, S2, S3	3RT2	onto the contactors	3RH2914-1GP11	2265.-	1



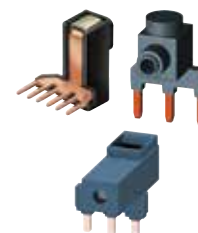
### LED modules for indicating the contactor function

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S00 - S3	3RT2	3RT2926-1QT00	755.-	1 pack = 5 units



### Links for paralleling

Size	For Contactor	Version	Max. Conductor cross-sections mm <sup>2</sup>	Type	Unit LP ₹	Std. pkg. (nos.)
S00	3RT20 1	3-Pole with connection terminal	25 (stranded)	3RT1916-4BB31	500.-	1
S0	3RT20 2		50 (stranded)	3RT2926-4BB31	855.-	1
S2	3RT20 3		120 (stranded)	3RT1936-4BB31	995.-	1
S3	3RT20 4		185 (stranded)	3RT1946-4BB31	2735.-	1
S00	3RT23 1 & 3RT25 1	4-Pole with connection terminal	25 (stranded)	3RT1916-4BB41	755.-	1



### Screw adapters for easy screw fixing

2 units required per contactor

Size	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT1926-4P	30.-	1 pack = 10 units



### OFF-Delay Devices

Size	Rated control supply voltage U <sub>s</sub> V	Type	Unit LP ₹	Std. pkg. (nos.)
3RT2. 1, 3RT2. 2, 3RH2. . .-1BF40	110 AC/DC	3RT2916-2BK01	5035.-	1
3RT2. 1, 3RT2. 2, 3RH2. . .-1BM40	220 / 230 AC/DC	3RT2916-2BL01		1
3RT2. 1, 3RT2. 2, 3RH2. . .-1BB40	24 DC	3RT2916-2BE01		1



### Mechanical latching blocks

Size	For Contactor	Rated control supply voltage U <sub>s</sub> V	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT2.2	24 AC/DC	3RT2926-3AB31	3205.-	1
		110 AC/DC	3RT2926-3AF31		1
		230 AC/DC	3RT2926-3AP31		1



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)



### Solid state timer block

for snapping onto the front (S00, S0, S2, S3)

Function	For contactors	Auxiliary contacts	Rated control supply voltage $U_c$ , 50/60 Hz V	Time setting range $t$ Sec	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>On-Delay</b> (Varistor integrated)	3RT2 3RH21 3RH24	1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2813-1AW10	4900.-	1
		1NO + 1NC			3RA2813-1FW10		1
<b>OFF-Delay</b> without auxiliary voltage (Varistor integrated)		1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2815-1AW10	5850.-	1
		1NO + 1NC			3RA2815-1FW10		1
<b>OFF-Delay</b> with auxiliary voltage (Varistor integrated)		1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2814-1AW10	6655.-	1
		1NO + 1NC			3RA2814-1FW10		1

### Solid state timer block with semiconductor output

for snapping onto the front (S00, S0)

Function	For contactors#	Auxiliary contacts	Rated control supply voltage $U_c$ , 50/60 Hz V	Time setting range $t$ Sec	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>On-Delay</b> (Varistor integrated)	3RT2 3RH21 3RH24	-	24 ... 240 VAC/DC	0.05 ... 100	3RA2811-1CW10	5330.-	1
<b>OFF-Delay</b> with auxiliary voltage		-			24 ... 240 VAC/DC	0.05 ... 100	3RA2812-1DW10

# Cannot be fitted onto coupling relays. Also available for 3RT2 S2 & S3 on request

Version	SIRIUS function modules		SIRIUS function modules for IO-Link		SIRIUS function modules for AS-Interface	
	A	Unit LP ₹	B	Unit LP ₹	C	Unit LP ₹
Direct on line starting (S00, S0, S2, S3)	*Pls refer above table for type reference <b>(Solid state timer block with semiconductor output)</b>		3RA2711-1AA00*	5125.-	3RA2712-1AA00*	5640.-
Reversing starting (S00, S0, S2, S3)	for complete feeder refer page no. 23-24		3RA2711-1BA00*	9670.-	3RA2712-1BA00*	10630.-
Star delta starting (S00, S0, S2, S3)	3RA2816-0EW20	10135.-	3RA2711-1CA00*	14970.-	3RA2712-1CA00*	16515.-

\*For ordering with spring type terminals, please replace 8th digit from '1' to '2'



## Accessories for 3 Pole, 3RT2 & 3RT1 Contactors

### Surge Suppressor for 3Pole 3RT1 (S6..S12)

Size	Version	AC Operation	DC Operation	Type	Unit LP ₹	Std. pkg. (nos.)
		Rated control supply voltage (U <sub>c</sub> )				
		V AC	V DC			
S6, S10, S12	RC Elements*	24 ... 48	24 ... 70	3RT1956-1CB00	1940.-	1
		48 ... 127	70 ... 150	3RT1956-1CC00		1
		127 ... 240	150 ... 250	3RT1956-1CD00		1
		240 ... 400	–	3RT1956-1CE00		1
		400 ... 600	–	3RT1956-1CF00		1



Contactors coils (Size S6 to S12) comes with in-built varistor  
\* for connecting to with-drawable coils with screw terminal type connection

### Box terminal blocks

Size	For Contactor	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S6	3RT105	For round and ribbon cables (Upto 70 mm <sup>2</sup> )	3RT1955-4G	1865.-	1
		For round and ribbon cables (Upto 120 mm <sup>2</sup> )	3RT1956-4G	2640.-	1
		Auxiliary conductor connection for box terminals	3TX7500-0A	1035.-	1
S10 / S12	3RT106 & 3RT107	Upto 240 mm <sup>2</sup> with auxiliary conductor connection	3RT1966-4G	7470.-	1



### Covers

#### Terminal covers for box terminals

Size	For Contactor	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3RT204	3 Pole	3RT2946-4EA2	620.-	1
S6	3RT105	Length of 25 mm	3RT1956-4EA2	995.-	1
S10 / S12	3RT106 & 3RT107	Length of 30 mm	3RT1966-4EA2	1755.-	1

#### Terminal covers for cable lugs and busbar connection

S3	3RT204	Length of 55 mm	3RT1946-4EA1	890.-	1
S6	3RT105	Length of 100 mm	3RT1956-4EA1	1700.-	1
S10 / S12	3RT106 & 3RT107	Length of 120 mm	3RT1966-4EA1	2245.-	1



#### Busbar cover between contactor and 3RB2 overload relay or wiring module for contactor assemblies

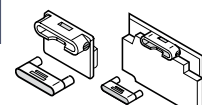
S10 / S12	3RT106 & 3RT107	Length of 42 mm	3RT1966-4EA3	1495.-	1
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#### For busbar cover of the flat line connectors for reversing and wye-delta assemblies

S6	3RT105	Length of 38 mm	3RT1956-4EA4	1370.-	1
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### Sealable Covers

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S6, S10, S12	3RT105, 3RT106 & 3RT107	3RT1926-4MA10	100.-	1 pack = 5 units



## Accessories for 3 Pole, 3RT2 & 3RT1 Contactors

### Links for paralleling

Size	For Contactor	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3RT204	3-Pole with through hole (Star Jumpers)	3RT1946-4BB31	2735.-	1
S6	3RT1		3RT1956-4BA31	1495.-	1
S10 / S12	3RT1		3RT1966-4BA31	1990.-	1



## Accessories for 3RT12

Description	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Line voltage surge suppressors</b>			
upto 690V AC	3RT1966-1PV3	8925.-	1
upto 1000V AC	3RT1966-1PV4	13040.-	1
<b>Auxiliary contact blocks</b>			
second, 2NO	3RH1921-1KA20	1000.-	1
second, 1NO+1NC	3RH1921-1KA11		1
second, 2NC	3RH1921-1KA02		1
Mechanical interlock mechanism	3RA1954-2A	2785.-	1
<b>Coil surge suppressor</b>			
RC element, for 110V-127V coil	3RT1956-1CC00	1940.-	1
RC element, for 220V-240V coil	3RT1956-1CD00		1

## Accessories for 4 Pole Contactor - 3RT23 / 3RT13

### Mechanical interlock for 3RT23

Contactor size	Type	Description	Unit LP ₹	Std. pkg. (nos.)
S00-S00	3RA2912-2H	Mechanical interlock & 2 Connecting Clips	485.-	1
S0-S0	3RA2922-2H	Mechanical interlock & 2 Connecting Clips	485.-	1
S2-S2 <sup>1)</sup>	3RA2934-2B	Mechanical interlock	550.-	1
	3RA2932-2G	2x Connecting Clips	270.-	10
S3-S3 <sup>1)</sup>	3RA2934-2B	Mechanical interlock	550.-	1
	3RA2942-2G	2x Connecting Clips	310.-	10

1) for 3RT23 S2 & S3 reversing combination both Mechanical interlock & 2x Connecting Clips need to be ordered

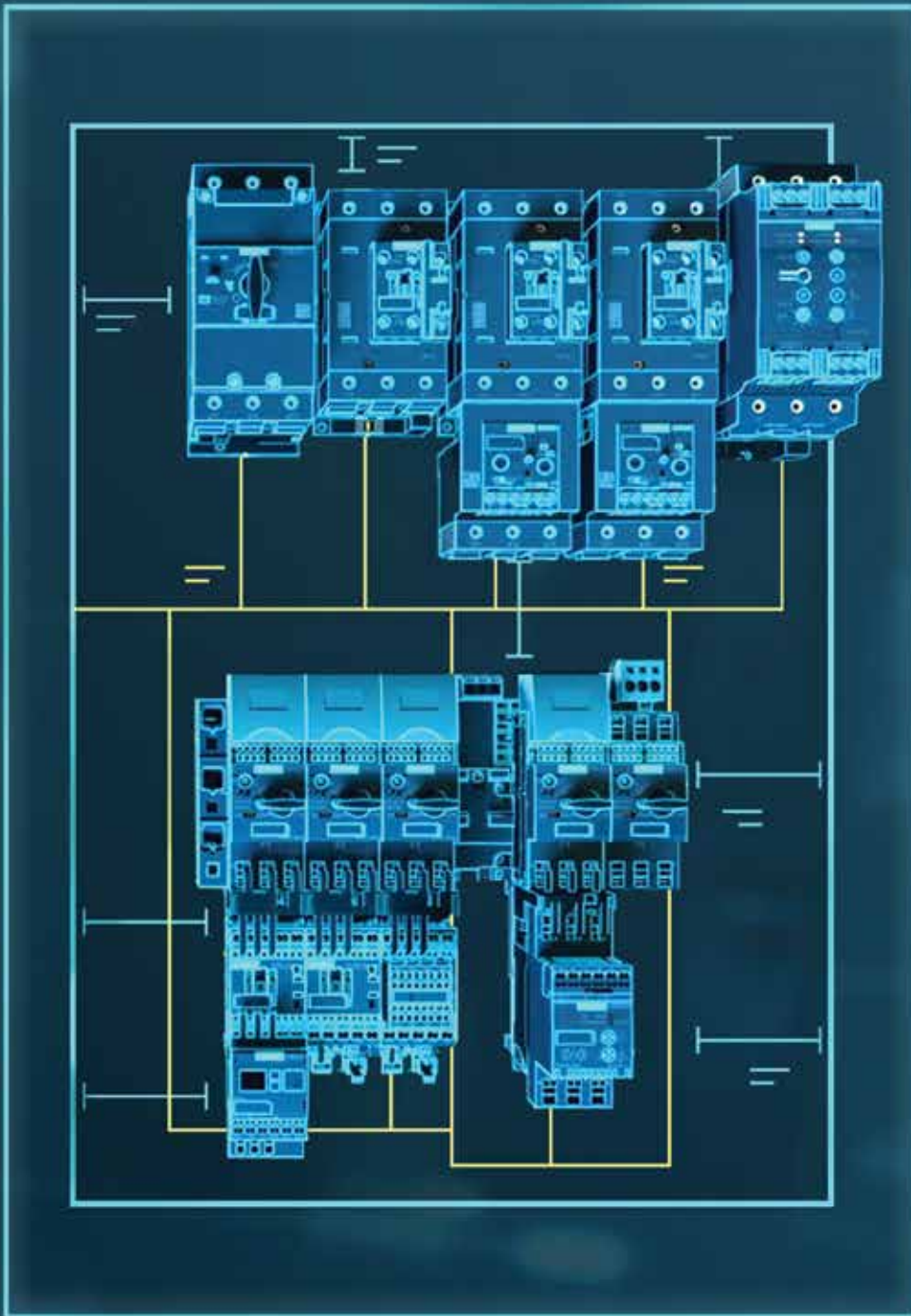
### Mechanical interlock for 3RT13

Contactor size	Type	Description	Unit LP ₹	Std. pkg. (nos.)
S6-S6	3RA1954-3A	Mechanical interlock for 3RT13	2785.-	1
S10-S10				
S12-S12				

### Terminal Covers for 3RT13

Contactor size	Type	Description	Unit LP ₹	Std. pkg. (nos.)
S6	3RT1956-4EB10	for 3RT135..	2515.-	1
S10	3RT1966-4EB10	for 3RT136..		
S12	3RT1976-4EB10	for 3RT13..		

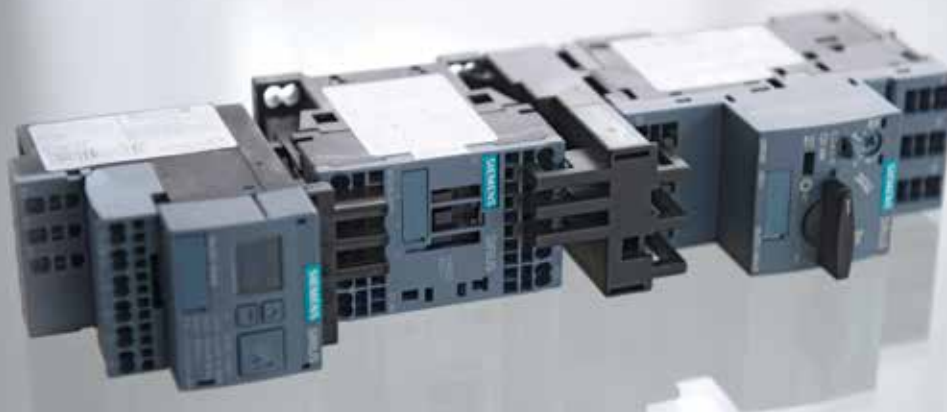




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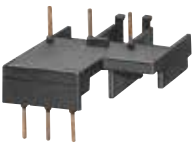

















## 3RA Load Feeders



### Direct On-Line Starters

For snapping onto standard mounting rails or for screw mounting

Size of MPCB / contactor	MPCB	+	Contactor	+	Link module	+	Standard mounting rail adaptor	Final Assembled Unit
S00 / S00	 3RV2	+	 3RT2 AC and DC coil	+	 3RA1921-1DA00	+	Not required	
(S00, S0) / S0	 3RV2	+	 3RT2 AC coil DC coil	+	 3RA2921-1AA00 3RA2921-1BA00	+	Not required	
S2 / S2	 3RV2	+	 3RT2 AC and DC coil	+	 3RA2931-1AA00	+	 3RA2932-1AA00 (Optional)	
S3 / S3	 3RV2	+	 3RT2 AC and DC coil	+	 3RA1941-1AA00	+	 3RA2942-1AA00	

**Link modules, single-unit packaging** – For mechanical and electrical connection between contactor and motor protection circuit-breaker with screw terminals

Method of operation	Size of contactor	Size of MPCB	Type	Unit LP ₹	Std. pkg. (nos.)
AC/DC	S00	S00	3RA1921-1DA00	515.-	1
	S2	S2	3RA2931-1AA00	1690.-	1
	S3	S3	3RA1941-1AA00	1735.-	1
AC	S0	S00/S0	3RA2921-1AA00	515.-	1
DC	S0	S00/S0	3RA2921-1BA00	515.-	1

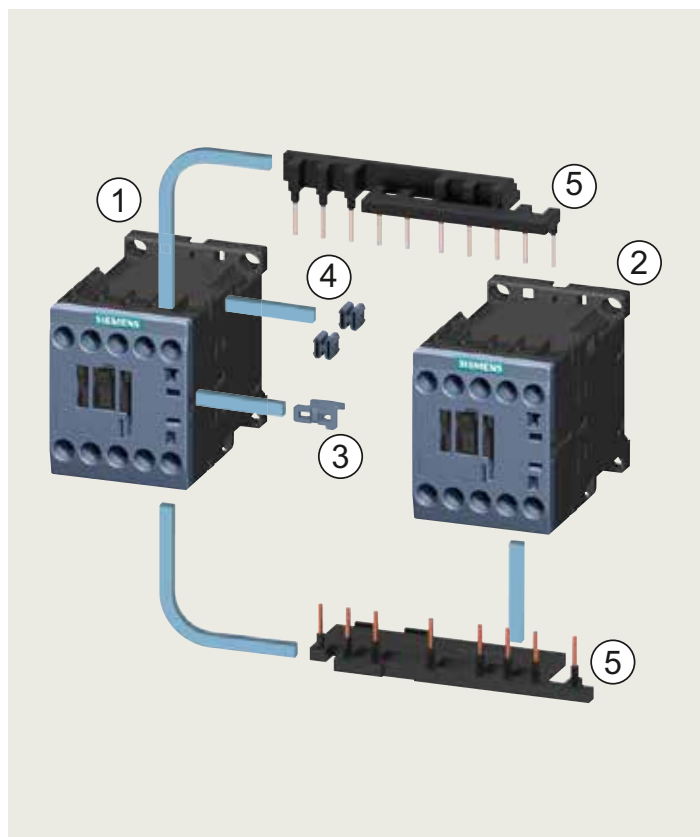
**Standard mounting rail adaptor**

Size of MPCB	Size of contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S2	S2	3RA2932-1AA00	1755.-	1
S3	S3	3RA2942-1AA00	2405.-	1

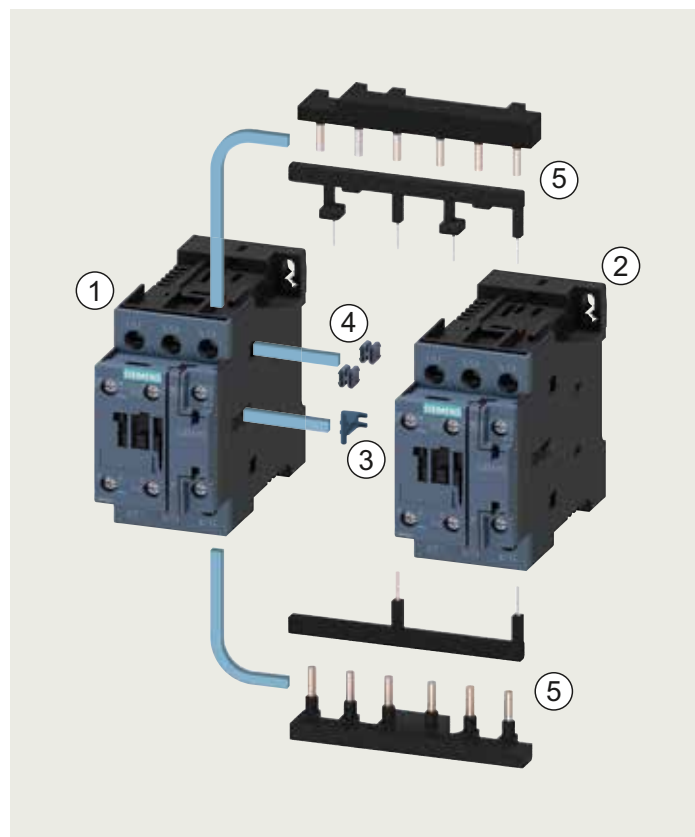
## Accessories for 3RT2 Contactors

S00, S0 - Mechanical Interlock & Installation kit for reversing contactors

S00 - S00



S0 - S0



### Individual Components

- ① ② Power Contactor Size S00 - S00 or S0 - S0
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

S. No.	Description	Contactor Size	Type*	Unit LP ₹ (per unit / set)	Std. pkg. (nos.)
3, 4, 5	<u>Assembly Kit</u> Each kit contains: Mechanical interlock, 2 Connecting clips for 2 contactors, wiring modules on the top & bottom	S00-S00	3RA2913-2AA1	985.-	1 Unit
		S0-S0	3RA2923-2AA1	1475.-	
3, 4	Each set contains: Mechanical interlock & 2 Connecting clips	S00-S00	3RA2912-2H	485.-	1 pack (1 pack = 10 Sets)
		S0-S0	3RA2922-2H	485.-	

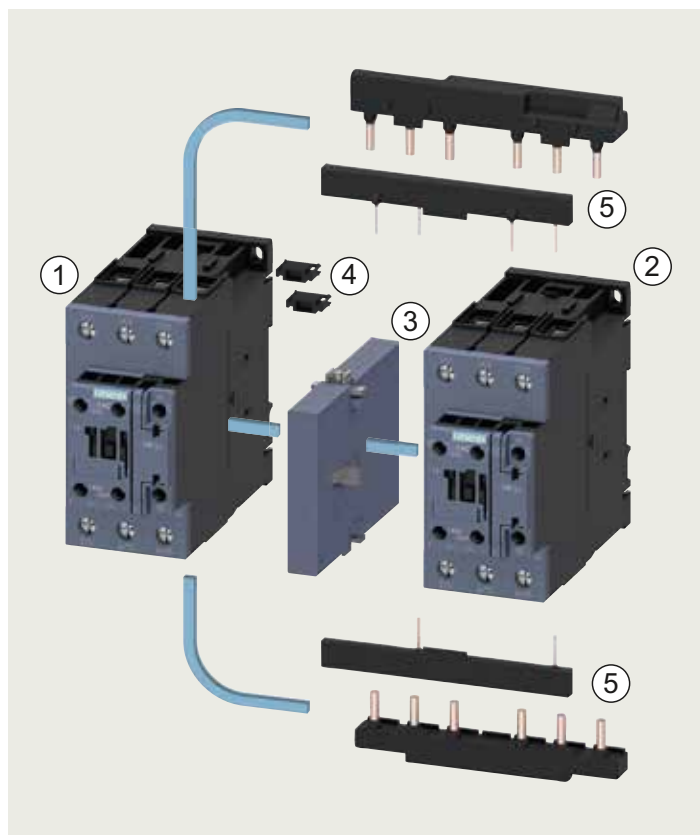
\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'





## Accessories for 3RT2 Contactors

S2 - S2 or S3 - S3 - Mechanical Interlock & Assembly kit for reversing contactors



### Individual Components

- ① ② Power Contactor Size S2 - S2 or S3 - S3
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

S. No.	Description	Contactor Size	Type	Unit LP ₹ (per unit / set)	Std. pkg. (nos.)
4, 5	<b>Assembly Kit</b> Each kit contains: <ul style="list-style-type: none"> <li>• Two connecting clips for two contactor</li> <li>• Wiring modules on the top &amp; bottom for connecting the main and auxiliary current paths</li> </ul>	S2 - S2	3RA2933-2AA1	1630.-	1 Unit
		S3 - S3	3RA2943-2AA1	3265.-	1 Unit
3	Mechanical interlock	S2 - S2	3RA2934-2B	550.-	1 Unit
		S3 - S3			
4	Connecting Clips for 3Pole Contactors Two connectors for two contactors	S2 - S2	3RA2932-2C	270.-	10 Unit
		S3 - S3	3RA2932-2D	270.-	

\* Assembly kit only available for 3 Pole contactors only



4, 5



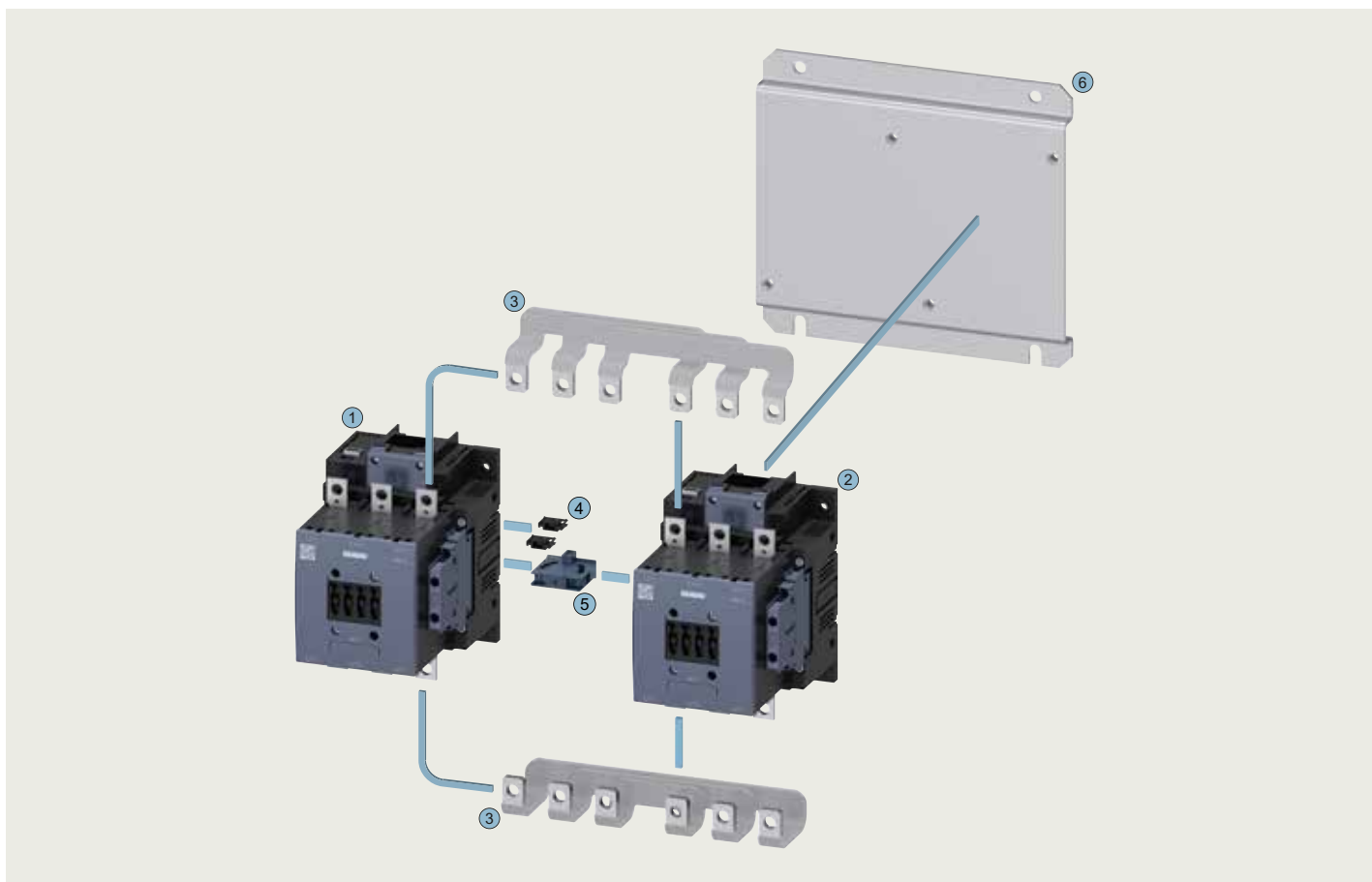
3



4

## Accessories for 3RT1 Contactors

S6 - S6 - Mechanical Interlock & Installation kit for reversing contactors



### Individual Components

- ① ② Power Contactor Size S6 - S6
- ③ Assembly Kit
- ④ Two connectors for two contactors
- ⑤ Mechanical interlock
- ⑥ Base plate for reversing contactor assemblies

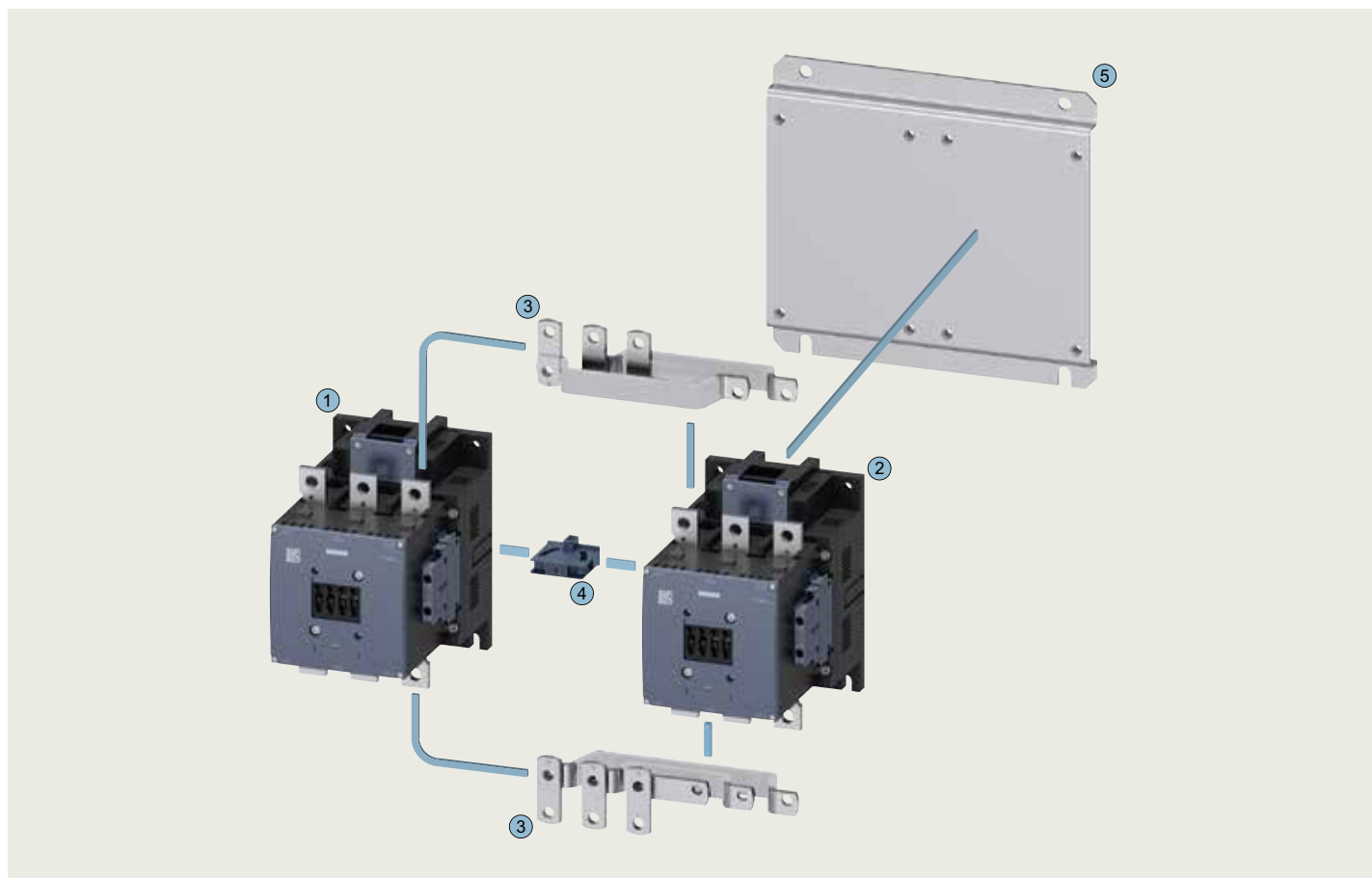
S. No.	Description	Contactor Size	Type	Unit LP ₹ (per unit / set)	Std. pkg. (nos.)
3	<u>Assembly Kit</u> Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)	S6 - S6	3RA1953-2A	22545.-	1 Unit
4	Two connectors for two contactors	S6 - S6	3RA1932-2D	260.-	1 Pack (1 pack = 10 sets)
5	Mechanical interlock	S6 - S6	3RA1954-2A	2785.-	1 Unit
6	Base plate for reversing contactor assemblies	S6 - S6	3RA1952-2A	4210.-	1 Unit

### ■ Stock items

LP - List Price

## Accessories for 3RT1 Contactors

S10 - S10 or S12 - S12 - Mechanical Interlock & Installation kit for reversing contactors



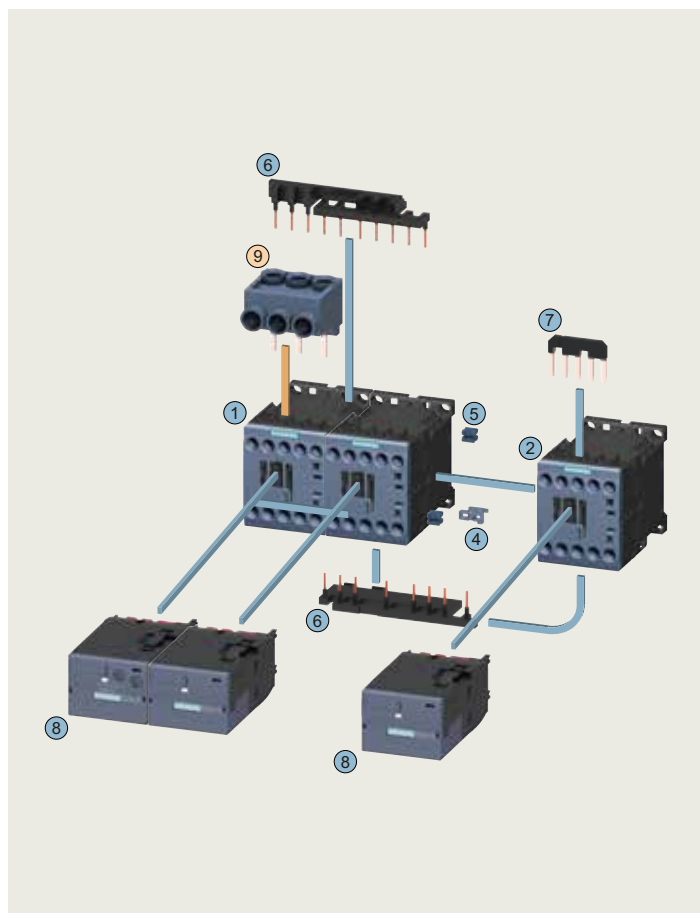
### Individual Components

- ① ② Power Contactor Size S10 - S10 or S12 - S12
- ③ Assembly Kit
- ④ Mechanical interlock
- ⑤ Base plate for reversing contactor assemblies

S. No.	Description	Contactor Size	Type	Unit LP ₹ (per unit / set)	Std. pkg. (nos.)
3	<u>Assembly Kit</u> Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)	S10 - S10	3RA1963-2A	24040.-	1 Unit
		S12 - S12	3RA1973-2A	25550.-	1 Unit
4	Mechanical interlock	S10 - S10	3RA1954-2A	2785.-	1 Unit
		S12 - S12			
5	Base plate for reversing contactor assemblies	S10 - S10	3RA1962-2A	6320.-	1 Unit
		S12 - S12	3RA1972-2A	7370.-	1 Unit

## Accessories for 3RT2 Contactors

S00-S00-S00 - Mechanical Interlock & Installation kit for star delta contactor assembly



### Individual Components

- ① ② ③ Power Contactors:  
Line: S00  
Delta: S00  
Star: S00

### Assembly kit : ④ ... ⑦

- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal

S. No.	For Contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
4...7	3RT20 1	<b>Assembly Kit</b> Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper	■ 3RA2913-2BB1*	1010.-	1 Unit
8	3RT20 1	Function module	■ 3RA2816-0EW20	10135.-	1 Unit
9	3RT20 1	3-phase feeder terminal (for Screw type contactors only)	■ 3RA2913-3K	730.-	5 Unit

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



4...7



8



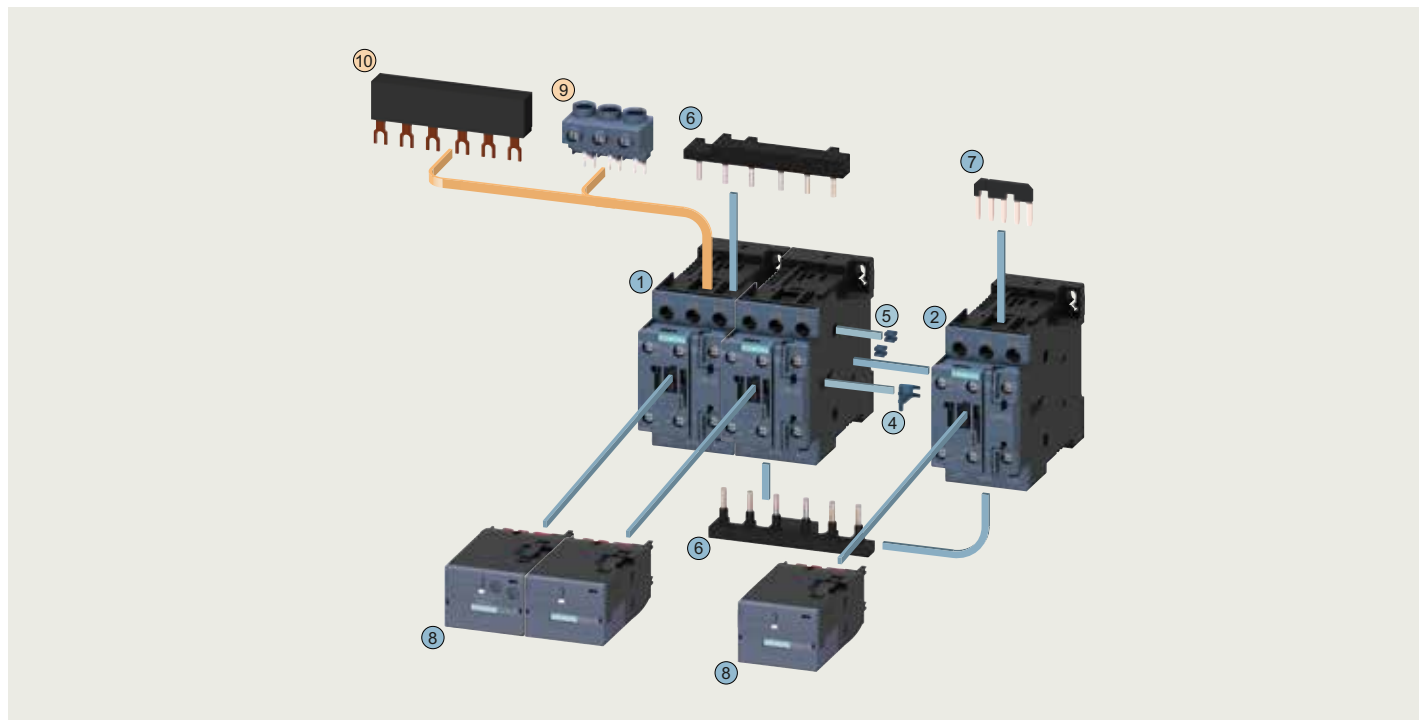
9

■ Stock items

LP - List Price

## Accessories for 3RT2 Contactors

S0-S0-S0 - Mechanical Interlock & Installation kit for star delta contactor assembly



### Individual Components

- ① ② ③ Power Contactors:  
Line: S0  
Delta: S0  
Star: S0
- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal
- ⑩ 3-phase busbar

### Assembly kit : ④ ... ⑦

- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper

S. No.	For Contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
4...7	3RT20 2	Installation Kit Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper	■ 3RA2923-2BB1*	1610.-	1 Unit
8	3RT20 2	Function module	■ 3RA2816-0EW20	10135.-	1 Unit
9	3RT20 2	3-phase feeder terminal (for Screw type contactors only)	■ 3RV2925-5AB	1605.-	1 Unit
10	3RT20 2	3-phase busbar (for Screw type contactors only)	■ 3RV1915-1AB	1355.-	1 Unit

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'

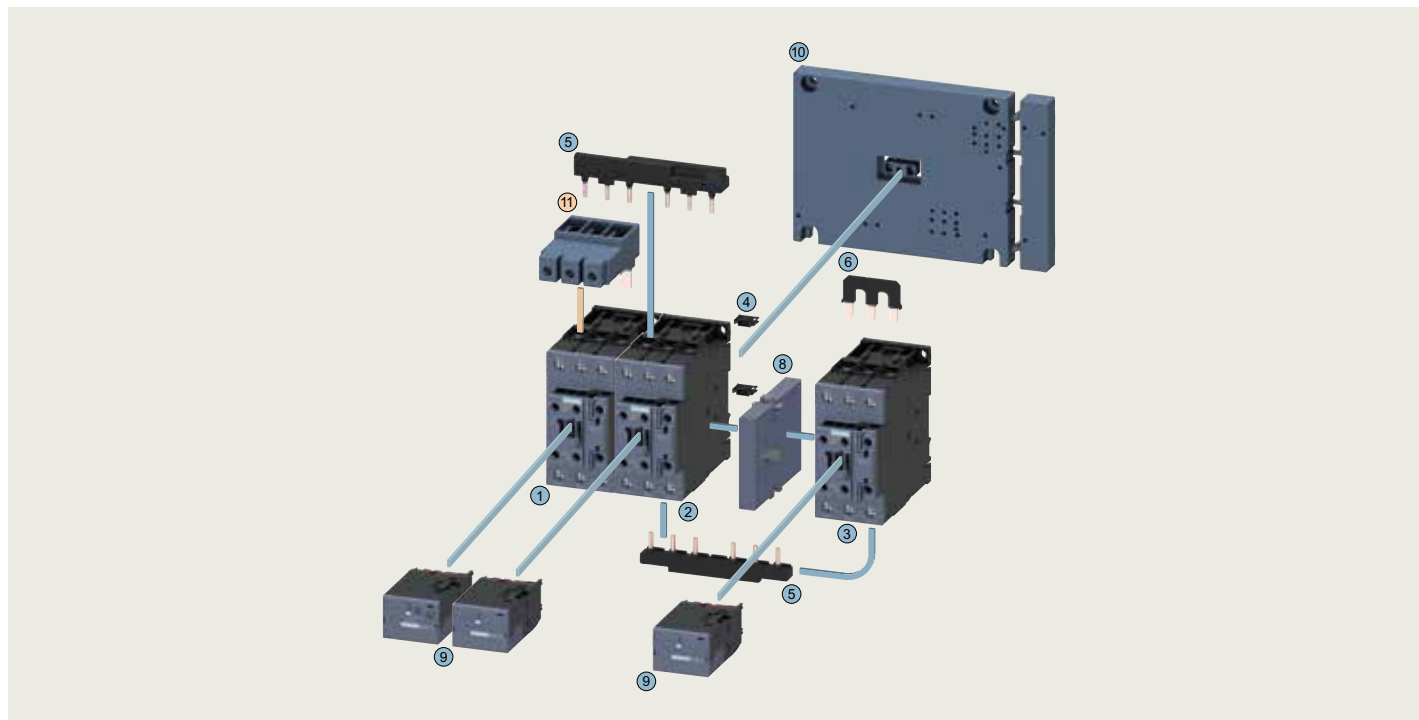


■ Stock items



## Accessories for 3RT2 Contactors

### S2-S2-S0/S2 - Mechanical Interlock & Installation kit for star delta contactor assembly

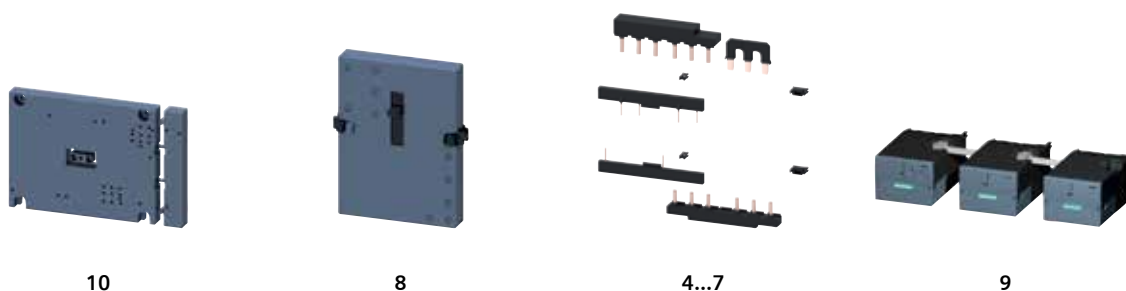


The figure shows the version with screw terminals in S2-S2-S2

#### Individual Components

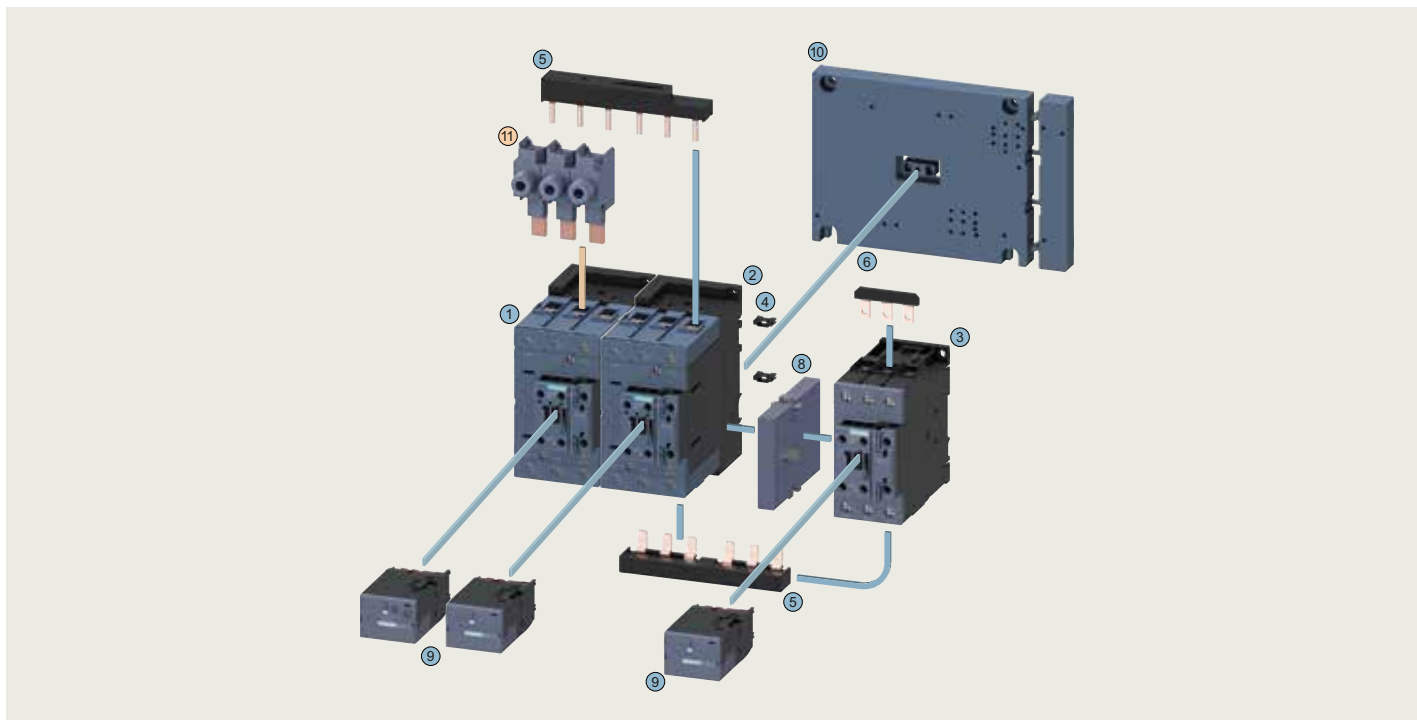
- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:  
S2-S2-S2: 3RA2933-2BB1  
S2-S2-S0: 3RA2933-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

S. No.	For Contactor	Type	LP ₹ (per unit / set)	Std. pkg. (nos.)
10	Base plate	3RA2932-2F	2085.-	1 Unit
8	Mechanical interlock, lateral	3RA2934-2B	550.-	1 Unit
4...7	Assembly Kit: S2-S2-S2	3RA2933-2BB1	2440.-	1 Unit
	Assembly Kit: S2-S2-S0	3RA2933-2C	1790.-	1 Unit
9	Functional Module	3RA2816-0EW20	10135.-	1 Unit



## Accessories for 3RT2 Contactors

### S3-S3-S2/S3 - Mechanical Interlock & Installation kit for star delta contactor assembly

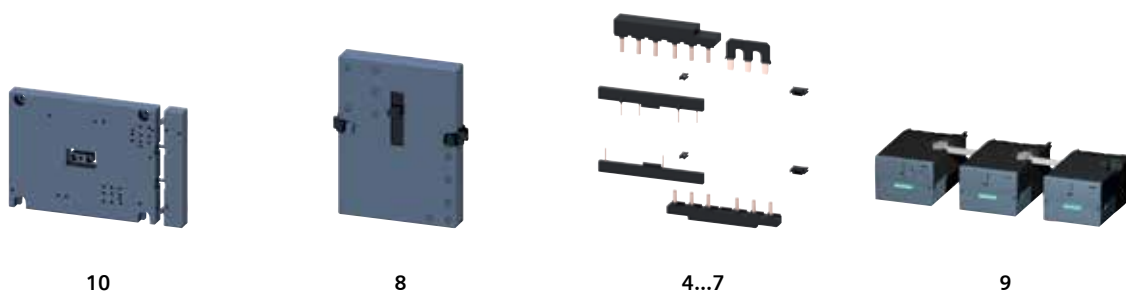


The figure shows the version with screw terminals in S3-S3-S2

#### Individual Components

- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:  
S3-S3-S3: 3RA2943-2BB  
S3-S3-S2: 3RA2943-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

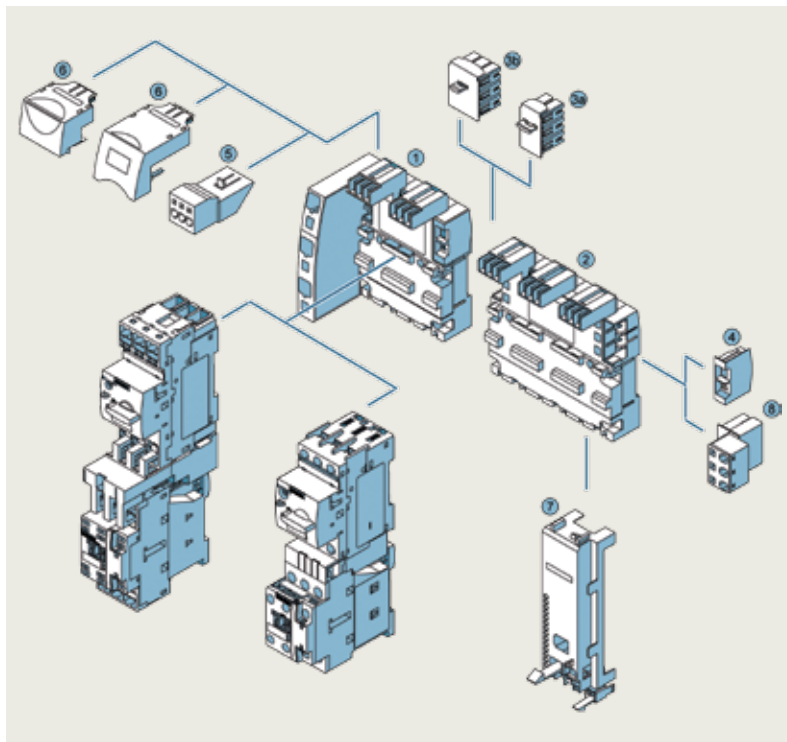
S. No.	For Contactor	Type	LP ₹ (per unit / set)	Std. pkg. (nos.)
10	Base plate	3RA2942-2F	2920.-	1 Unit
8	Mechanical interlock, lateral	3RA2934-2B	550.-	1 Unit
4...7	Assembly Kit: S3-S3-S3	3RA2943-2BB1	2245.-	1 Unit
	Assembly Kit: S3-S3-S2	3RA2943-2C	2485.-	1 Unit
9	Functional Module	3RA2816-0EW20	10135.-	1 Unit



■ Stock items

# 3RV29 Infeed system

The 3RV29 infeed system is a convenient means of energy supply and distribution for a group of several motor starter protectors or complete load feeders with a screw or spring-type connection in sizes S00 and S0.



### Individual Components

- ① 3-phase busbar with infeed
- ② 3-phase busbar for system expansion
- ③a Expansion plug
- ③b Extra-wide expansion plug
- ④ End cover
- ⑤ Terminal block for device infeed
- ⑥ Plug-in connector
- ⑦ Contactor base
- ⑧ Terminal block

- Maximum current carrying capacity of 63 A
- Enables the integration of MPCB's, 1-phase, 2-phase and 3-phase components such as 5SY miniature circuit breakers or SIRIUS relay components.
- Approved in accordance with IEC to 500 V.
- UL-approved and authorized for Type E starter and Type F starter.

Legend	Type of accessory	Version	For 3RV20, 3RV23, 3RV24 MPCB only	Type	Unit LP ₹	Std. pkg. (nos.)
①*	Three-phase busbars with infeed (incl. 3RV2917-6A end cover)	For 2 motor starter protectors with screw or spring-type terminals With infeed on the left	S00, S0	3RV2917-1A	2240.-	1
		For 2 motor starter protectors with screw or spring-type terminals With infeed on the Right	S00, S0	3RV2917-1E	2240.-	1
②+	Three-phase busbars for system expansion (incl. 3RV2917-5BA00 expansion plug )	For 2 motor starter protectors with screw or spring-type terminals	S00, S0	3RV2917-4A	1355.-	1
		For 3 motor starter protectors with screw or spring-type terminals	S00, S0	3RV2917-4B	1805.-	1
③+	Expansion Plug (as spare part)			3RV2917-5BA00	455.-	1
	Extra-wide expansion plugs (as accessory)			3RV2917-5E	1015.-	1
④+	End covers ( as spare part)			3RV2917-6A	55.-	10
⑤+	Terminal blocks	for device infeed		3RV2917-5FA00	1540.-	1
⑥*	Plug-in connectors to make contact with motor starter protectors	For spring-type terminals	S00	3RV2917-5AA00	395.-	1
			S0	3RV2927-5AA00	395.-	1
		For Screw-type terminals	S00	3RV2917-5CA00	395.-	1
			S0	3RV1927-5AA00	475.-	1
⑦^	Contactor bases for mounting direct-on-line or reversing starters	For contactors	contactors S00, S0	3RV2927-7AA00	330.-	1
⑧+	Terminal blocks	for integration of single-phase, two-phase and three-phase components		3RV2917-5D	1620.-	1

\* Required      + Optional      ^ Required for Reversing DOL

## Reversing Contactor Assemblies - 3RA23



### Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	AC Coil				DC Coil			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz V AC	Type*	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub> V DC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00	7	3	230	3RA2315-8XB30-1AP0	6055.-	1	24	3RA2315-8XB30-1BB4	8030.-	1
	9	4	230	3RA2316-8XB30-1AP0	6385.-	1	24	3RA2316-8XB30-1BB4	8680.-	1
	12	5.5	230	3RA2317-8XB30-1AP0	6675.-	1	24	3RA2317-8XB30-1BB4	9710.-	1
	16	7.5	230	3RA2318-8XB30-1AP0	7910.-	1	24	3RA2318-8XB30-1BB4	10440.-	1
S0	12	5.5	230	3RA2324-8XB30-1AL2	7905.-	1	24	3RA2324-8XB30-1BB4	9725.-	1
	17	7.5	230	3RA2325-8XB30-1AL2	8080.-	1	24	3RA2325-8XB30-1BB4	11155.-	1
	25	11	230	3RA2326-8XB30-1AL2	9750.-	1	24	3RA2326-8XB30-1BB4	14785.-	1
	32	15	230	3RA2327-8XB30-1AL2	17880.-	1	24	3RA2327-8XB30-1BB4	28960.-	1
S2	38	18.5	230	3RA2328-8XB30-1AL2	25085.-	1	24	3RA2328-8XB30-1BB4	32745.-	1
	50	22	230	3RA2336-8XB30-1AL2	28280.-	1	20...33	3RA2336-8XB30-1NB3 <sup>€</sup>	43515.-	1
	65	30	230	3RA2337-8XB30-1AL2	37885.-	1	20...33	3RA2337-8XB30-1NB3 <sup>€</sup>	48630.-	1
S3	80	37	230	3RA2338-8XB30-1AL2	47605.-	1	20...33	3RA2338-8XB30-1NB3 <sup>€</sup>	57640.-	1
	95	45	230	3RA2346-8XB30-1AL2	59495.-	1	20...33	3RA2346-8XB30-1NB3 <sup>€</sup>	66895.-	1
	110	55	230	3RA2347-8XB30-1AL2	68380.-	1	20...33	3RA2347-8XB30-1NB3 <sup>€</sup>	73595.-	1

## Star Delta Contactor Assemblies - 3RA24



### Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	AC Coil <sup>§</sup>				DC Coil <sup>®</sup>			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz V AC	Type*	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub> V DC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00-S00-S00	12	5.5	230	3RA2415-8XF31-1AP0	13595.-	1	24	3RA2415-8XF31-1BB4	15950.-	1
	17	7.5	230	3RA2416-8XF31-1AP0	14315.-	1	24	3RA2416-8XF31-1BB4	17365.-	1
	25	11	230	3RA2417-8XF31-1AP0	15000.-	1	24	3RA2417-8XF31-1BB4	18550.-	1
S0-S0-S0	25	11	230	3RA2423-8XF32-1AL2	16785.-	1	24	3RA2423-8XF32-1BB4	20680.-	1
	32/40	15/18.5	230	3RA2425-8XF32-1AL2	19310.-	1	24	3RA2425-8XF32-1BB4	61875.-	1
	50	22	230	3RA2426-8XF32-1AL2	27980.-	1	24	3RA2426-8XF32-1BB4	41445.-	1
S2-S2-S0	50/65	22/30	230	3RA2434-8XF32-1AL2	37785.-	1	20...33	3RA2434-8XF32-1NB3 <sup>€</sup>	56755.-	1
	80	37	230	3RA2435-8XF32-1AL2	39430.-	1	20...33	3RA2435-8XF32-1NB3 <sup>€</sup>	64745.-	1
	86	45	230	3RA2436-8XF32-1AL2	47420.-	1	20...33	3RA2436-8XF32-1NB3 <sup>€</sup>	69760.-	1
S2-S2-S2	115	55	230	3RA2437-8XF32-1AL2	57795.-	1	20...33	3RA2437-8XF32-1NB3 <sup>€</sup>	75295.-	1
	150	75	230	3RA2445-8XF32-1AL2	63300.-	1	20...33	3RA2445-8XF32-1NB3 <sup>€</sup>	82830.-	1
S3-S3-S2	160	90	230	3RA2446-8XF32-1AL2	84820.-	1	20...33	3RA2446-8XF32-1NB3 <sup>€</sup>	99395.-	1

\* For ordering above assembly with Spring type terminals, please replace 13<sup>th</sup> digit from "1 to 2" for S00, S0

€ - Universal operation AC / DC

Above assemblies are also available as "ready to assemble kit" please refer page no. 23-30

Please contact nearest sales office for other coil voltages and with communication interface



# Genuine Siemens spares

Buy from our authorised channel partner

## Spares coils

Magnetic coils for 3RT2 (S0, S2, S3)



Size	AC Coil					Universal Coil (AC/DC)												
	Contactor type	Rated control supply voltage $U_s$ at 50/60 Hz V AC	Type	Unit LP ₹	Std. pkg. (nos.)	Contactor type	Rated control supply voltage $U_s$ V DC	Type	Unit LP ₹	Std. pkg. (nos.)								
S0	3RT20 23 3RT20 24 3RT20 25	24V	3RT2924-5AC21	760.-	1													
		110V	3RT2924-5AG21		1													
		230V	3RT2924-5AL21		1													
		400V, 50Hz	3RT2924-5AV01		1													
	3RT20 26 3RT20 27 3RT20 28 3RT23 25 3RT23 26 3RT25 26	24V	3RT2926-5AC21		1													
		110V	3RT2926-5AG21		1													
		230V	3RT2926-5AL21		1													
		400V, 50Hz	3RT2926-5AV01		1													
		S2	3RT20 3 3RT23 3 3RT25 3		24V						3RT2934-5AC21	1	3395.-	3RT20 3 3RT23 3 3RT25 3	20 ... 33	3RT2934-5NB31	4300.-	1
					110V						3RT2934-5AG21	1			83 ... 155	3RT2934-5NF31		1
230V	3RT2934-5AL21			1	175 ... 280	3RT2934-5NP31	1											
S3	3RT20 4 3RT23 4 3RT25 4 3RT24 4	24V	3RT2944-5AB01	1	3565.-	3RT20 4 3RT23 4 3RT25 4 3RT24 4	20 ... 33	3RT2944-5NB31	4835.-	1								
		110V	3RT2944-5AF01	1			83 ... 155	3RT2944-5NF31		1								
		230V	3RT2944-5AP01	1			175 ... 280	3RT2944-5NP31		1								

For 24 V DC PLC output/PLC relay output, with remaining lifetime indicator (RLT) [Withdrawable coil with lateral solid-state module]

Size	AC Coil				
	Contactor type	Rated control supply voltage $U_s$ at 40 to 60Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	3RT10 5 3RT14 5	96...127V AC/DC	3RT1955-5PF31	22690.-	1
		200...277V AC/DC	3RT1955-5PP31	22690.-	1
S10	3RT10 6 3RT14 6	96...127V AC/DC	3RT1965-5PF31	28545.-	1
		200...277V AC/DC	3RT1965-5PP31	28545.-	1
S12	3RT10 7 3RT14 7	96...127V AC/DC	3RT1975-5PF31	38075.-	1
		200...277V AC/DC	3RT1975-5PP31	38075.-	1

## Arc Chambers for 3RT10 / 3RT14

Size	Contactor type	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S6	3RT10 54	Arc chutes 3-pole	3RT1954-7A	3545.-	1
			3RT1955-7A	4015.-	1
			3RT1956-7A	4425.-	1
S10	3RT10 64		3RT1964-7A	4530.-	1
			3RT1965-7A	4890.-	1
			3RT1966-7A	5045.-	1
S12	3RT10 75		3RT1975-7A	5680.-	1
			3RT1976-7A	5850.-	1
S6	3RT14 56 <sup>1)</sup>			3RT1956-7B	5875.-
S10	3RT14 66 <sup>1)</sup>		3RT1966-7B	6855.-	1
S12	3RT14 76 <sup>1)</sup>		3RT1976-7B	8110.-	1

1) For 3RT14 AC-1 duty power contactors

## Adaptor plates

Description (Adaptor plates for using in place of 3TF/3TR contactors)	Type	Unit LP ₹	MOQ
3RT10/3RT20 15/16/17 replacing 3TF/3TR 30/31	3TX80120A	140.-	5
3RT10/3RT20 25/26 replacing 3TF/3TR 32/33	3TX80250A	215.-	5
3RT10 34/35 replacing 3TF/3TR 34/35	3TX80400A	295.-	5
3RT10 36 replacing 3TF/3TR 46	3TX80500A	350.-	5
3RT10 44/45 replacing 3TF/3TR 47 / 3TF 477	3TX80800A	700.-	1
3RT10 45/46 replacing 3TF/3TR 48/49	3TX80950A	715.-	1
3RT10 56 replacing 3TF/3TR 52	3TX81850A	1255.-	1
3RT10 64 replacing 3TF/3TR 53	3TX82250A	1340.-	1

To replace existing contactor of any other brand please contact nearest sales office.

Description (Adaptor plates for using in place of old relay terminal block required for independent mounting)	Type	Unit LP ₹	MOQ
3RU29/3RU19 (1.8-25A) replacing 3UA/3UR 52 (1-25A)	3UX8025	355.-	1
3RU19 (5.5-50A) replacing 3UA/3UR 55 (10-45A)	3UX8050	435.-	1
3RU19 (18-100A) replacing 3UA/3UR 58 (16-95A) & replacing 3UA/3UR 5830 (70-120A)	3UX8100	490.-	1



## Contacts with fixing parts

**For 3RT20 & 3RT10, 3 pole power contactors**  
1 set = 3 moving and 6 fixed switching contacts  
with fixing parts

Size	Contactor type	Type	Unit LP ₹	Std. pkg. (nos.)
S2	3RT20 36	3RT2936-6A	4275.-	1
	3RT20 37	3RT2937-6A	5690.-	1
	3RT20 38	3RT2938-6A	7590.-	1
S3	3RT20 46	3RT2946-6A	7700.-	1
	3RT20 47	3RT2947-6A	10420.-	1
S6	3RT10 54	3RT1954-6A	11695.-	1
	3RT10 55	3RT1955-6A	14675.-	1
	3RT10 56	3RT1956-6A	18690.-	1
S10	3RT10 64	3RT1964-6A	21175.-	1
	3RT10 65	3RT1965-6A	23660.-	1
	3RT10 66	3RT1966-6A	27910.-	1
S12	3RT10 75	3RT1975-6A	36855.-	1
	3RT10 76	3RT1976-6A	47325.-	1

**For 3RT24/14 AC-1 duty power contactors**  
1 set = 3 movable and 6 fixed switching elements  
with fixing parts

Size	Contactor type	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3RT24 46	3RT2946-6D	17670.-	1
S6	3RT14 56	3RT1956-6D	28400.-	1
S10	3RT14 66	3RT1966-6D	44225.-	1
S12	3RT14 76	3RT1976-6D	56780.-	1

**For 3RT23, 4 pole AC-1 duty contactors**  
1 set = 4 movable and 8 fixed switching elements  
with fixing parts

Size	Contactor type	Type	Unit LP ₹	Std. pkg. (nos.)
S2	3RT23 36	3RT2936-6E	5240.-	1
	3RT23 37	3RT2937-6E	6035.-	1

## Spares for 3RT12 Vacuum Contactors

For contactor	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Spare coils</b>			
3RT126	4)	3RT1966-5A..1	11595.-
3RT127	23 ... 26 380 ... 420 110 ... 127 220 ... 240	3RT1975-5AB31 3RT1975-5AV31 3RT1975-5AF318K 3RT1975-5AP318K	14005.-
<b>Solid state operating mechanism</b>			
3RT126	96... 127V AC/DC 200...277V AC/DC	3RT1966-5NF31 3RT1966-5NP31	14960.-
3RT127	200...277V AC/DC	3RT1975-5NP31	19825.-
<b>Spare vacuum bottles (set of 3)</b>			
3RT1264 3RT1265 3RT1266	3RT1964-6V 3RT1965-6V 3RT1966-6V	75055.- 86670.- 105735.-	1 1 1
3RT1275 3RT1276	3RT1975-6V 3RT1976-6V	127775.- 153795.-	1 1

4) Coil voltage (AC/DC) - Please enter coil codes from table below

Code	B3	F3	P3	V3
Coil voltage (V)	23-26	110-127	220-240	380-420



## Contactor Relays - SICONT<sup>Plus</sup> 3TH3

Contactor size	Rated current (A) Ie AC15 at 230V	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220V)			
		Aux. contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Aux. contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
0	10	4NO <sup>§</sup>	■ 3TH3040-0A..	1625.-	1	4NO <sup>§</sup>	■ 3TH3040-0B..	2300.-	1
		3NO + 1NC <sup>§</sup>	■ 3TH3031-0A..			3NO + 1NC <sup>§</sup>	■ 3TH3031-0B..		
		2NO + 2NC <sup>§</sup>	■ 3TH3022-0A..			2NO + 2NC <sup>§</sup>	■ 3TH3022-0B..		

## Power Contactors - SICOP 3TF

Size	Rated current (A) Ie AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220V)			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
0	9	4	1NO <sup>§</sup>	■ 3TF3010-0A..	1395.-	1	1NO <sup>§</sup>	■ 3TF3010-0B..	2555.-	1
			1NC <sup>§</sup>	■ 3TF3001-0A..			1NC <sup>§</sup>	■ 3TF3001-0B..		
	12	5.5	1NO <sup>§</sup>	■ 3TF3110-0A..	1595.-	1	1NO <sup>§</sup>	■ 3TF3110-0B..	2710.-	1
			1NC <sup>§</sup>	■ 3TF3101-0A..			1NC <sup>§</sup>	■ 3TF3101-0B..		
1	16	7.5	- <sup>§</sup>	■ 3TF3200-0A..	1650.-	1	- <sup>§</sup>	■ 3TF3200-0B..	3140.-	1
			- <sup>§</sup>	■ 3TF3300-0A..			- <sup>§</sup>	■ 3TF3300-0B..		
2	32	15	- <sup>§</sup>	■ 3TF3400-0A..	5080.-	1	- <sup>§</sup>	■ 3TF3400-0B..	9780.-	1
			- <sup>§</sup>	■ 3TF3500-0A..			- <sup>§</sup>	■ 3TF3500-0B..		
	38	18.5	- <sup>§</sup>	■ 3TF3500-0A..	7370.-	1	- <sup>§</sup>	■ 3TF3500-0B..	11650.-	1
			- <sup>§</sup>	■ 3TF3500-0A..ZT00^			- <sup>§</sup>	■ 3TF3500-0B..ZT00^		
	40	18.5	- <sup>§</sup>	■ 3TF3500-0A..ZT00^	7485.-	1	- <sup>§</sup>	■ 3TF3500-0B..ZT00^	11755.-	1

### Auxiliary contact blocks

Size	Rated current (A) Ie AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)					
3	45	22	2NO + 2NC <sup>§</sup>	■ 3TF4602-0A..ZA01 <sup>®</sup>	10175.-	3TF30 to 35 & 3TH30	1NO	■ 3TX4010-2A	215.-	10	
	63	30	2NO + 2NC <sup>§</sup>	■ 3TF4702-0A..ZA01 <sup>®</sup>	14715.-		1NC	■ 3TX4001-2A	215.-	10	
	65	30	2NO + 2NC <sup>§</sup>	■ 3TF4702-0A..ZT00^	14810.-		1NO (Extd)	■ 3TX4010-4A	335.-	10	
	70	37	2NO + 2NC <sup>§</sup>	■ 3TF4772-0A..	15765.-		1NC (Extd)	■ 3TX4001-4A	335.-	10	
4	75	42	2NO + 2NC <sup>§</sup>	■ 3TF4822-0A..ZA01 <sup>®</sup>	18520.-	3TF46 to 3TF57	Second 1NO+1NC Left	■ 3TY7561-1KA008K	985.-	1	
	85	45	2NO + 2NC <sup>§</sup>	■ 3TF4922-0A..ZA01 <sup>®</sup>	22975.-		Second 1NO+1NC Right				
6	110	55	2NO + 2NC <sup>§</sup>	■ 3TF5002-0A..	27495.-						
	140	75	2NO + 2NC <sup>§</sup>	■ 3TF5102-0A..	36265.-						
8	170	90	2NO + 2NC <sup>§</sup>	■ 3TF5202-0A..	45520.-						
	205	110	2NO + 2NC <sup>§</sup>	■ 3TF5302-0A..	48930.-						
10	250	132	2NO + 2NC <sup>§</sup>	■ 3TF5402-0A..	59825.-						
	300	160	2NO + 2NC <sup>§</sup>	■ 3TF5502-0A..	74405.-						
12	400	200	2NO + 2NC <sup>§</sup>	■ 3TF5602-0A..	87255.-						
	475	250	2NO + 2NC <sup>§</sup>	■ 3TF5702-0C..	125170.-						

<sup>®</sup> For box type (SIGUT) terminals, order 2 nos 3TX7 460-0E, LP ₹ 500.- each.

<sup>§</sup> For more aux. contacts, pl. see table above.

<sup>^</sup> B0, F0, P0 and B4 coil voltage only available

Note: DC Coil - 3TF4/5 has been discontinued. 3RT Contactors (Page No. 6-7) recommended

Size	Rated current (A) Ie AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220V)			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
14	630	355	4NO + 4NC	3TF6844-0C..	refer page no. 10	1	3NO + 3NC	3TF6833-1D.. <sup>1)</sup>	refer page no. 10	1
	820	450	4NO + 4NC	3TF6944-0C..	refer page no. 10	1	3NO + 3NC	3TF6933-1D.. <sup>1)</sup>	refer page no. 10	1

1) LP includes control contactor

### AC 50Hz coil code: 3TF30 to 3TF56, 3TH3

Coil voltage (V)	24	■ 110	■ 230	■ 415
Code	B0	F0	P0	R0

### Wide band AC 50 Hz coil code: 3TF30 to 3TF35

Coil voltage (V)	70-140	150-280	260-460
Code	W110	W220	W415

### AC 50/60 Hz coil code: 3TF57/3TF68/69

Coil voltage (V)	110-132	■ 220-240	380-460
Code	F7	M7	Q7

### DC coil code: 3TF30 to 3TF35, 3TF68/69, 3TH3

Coil voltage (V)	■ 24	110	220
Code	B4	F4	M4

■ Stock items

Please order in multiples of standard packing.

LP - List Price

### Extra LP per unit for non-std coils B0 / M0# / U0# (AC), DC and wide band

for 3TH, 3TF30 to 33	270.-	for 3TF34 to 49	315.-	for 3TF50 to 56	830.-
Wide band coil for 3TH, 3TF30 to 33	270.-	Wide band coil for 3TF34/35	315.-		

For any non-standard coil or contactor with non standard coil, minimum order quantity should be 100 nos. or minimum order value of ₹1,00,000/- per item.

For non-standard coil voltages not mentioned above, pl. check with Siemens.

# M0: 220V AC, U0: 240V AC

Siemens switchgear. Tried, tested, trusted.

## 2 Pole DC Contactors - 3TC



For DC loads  
with AC coil, 2NO+2NC aux. contacts

Contactor size	Rated current Ie (A) DC3/5	Type <sup>2)</sup>	Unit LP ₹	Std. pkg. (nos.)
2	32	3TC4417-0B..	22645.-	1
4	75	3TC4817-0B..	112740.-	1
8	220	3TC5217-0B..	189790.-	1
12	400	3TC5617-0B..	324110.-	1

<sup>2)</sup> AC coil voltage - Please enter coil codes from table below

Code	F0	U0
Coil voltage (V) (50Hz)	110	240

with DC coil, 2NO + 2NC aux. contacts

Contactor size	Rated current Ie (A) DC3/5	Type <sup>3)</sup>	Unit LP ₹	Std. pkg. (nos.)
2	32	3TC4417-0A..	31255.-	1
4	75	3TC4817-0A..	135790.-	1
8	220	3TC5217-0A..	233315.-	1
12	400	3TC5617-0A..	430685.-	1

<sup>3)</sup> DC coil voltage - Please enter coil codes from table below

Code	B4	F4	M4
Coil voltage (V)	24	110	220

## Accessories for SICOP / SICONT<sup>Plus</sup>

Interlocking kit for two 3TF contactors  
(inclusive of base plate and interlocking mechanism)

Contactor type	Type	Unit LP ₹	Std. pkg. (kits)
3TF30-35	■ 3TX4091-1A <sup>#</sup>	685.-	10
3TF46/47/47-7	■ 3TX7466-1YA0	2410.-	2
3TF48/49	■ 3TX7486-1YA0	3925.-	2
3TF50/51	■ 3TX7506-1YA0	4415.-	2
3TF52/53	■ 3TX7526-1YA0	5050.-	2
3TF54/55	■ 3TX7546-1YA0	6080.-	2
3TF56/57	■ 3TX7566-1YA0	6495.-	2
3TF50/52	3TX7526-1YA09	5050.-	2
3TF52/54	■ 3TX7546-1YA09	6080.-	2

Note: Higher rating upon enquiry # W/o base plate (not required)

Coil voltage		Type	Unit LP ₹	Std. pkg. (nos.)
AC	DC			
<b>Surge suppressor (varistor) for 3TF30-35, 3TH30</b>				
24 - 48 V	24 - 70 V	■ 3TX7402-3GY1	615.-	10
48 - 127V	70 - 150V	■ 3TX7402-3HY1	615.-	10
127 - 240V	150 - 250V	■ 3TX7402-3JY1	615.-	10
240 - 400V	—	3TX7402-3KY1	790.-	10
400 - 600V	—	3TX7402-3LY1	790.-	10
<b>Surge suppressor (RC unit) for 3TF30-35, 3TH30</b>				
24 - 48 V	24 - 70 V	3TX7402-3RY2	980.-	10
48 - 127V	70 - 150V	3TX7402-3SY2		10
127 - 240V	150 - 250V	3TX7402-3TY2		10
240 - 400V	—	3TX7402-3UY2		10
400 - 600V	—	3TX7402-3VY2		10
<b>Surge suppressor (varistor) for 3TF46-56</b>				
Less than 48V	24 - 70V	■ 3TX7462-3GY1	845.-	10
48 - 127V	70 - 150V	■ 3TX7462-3HY1		10
127 - 240V	150 - 250V	■ 3TX7462-3JY1		10
240 - 400V	—	3TX7462-3KY1		895.-
400 - 600V	—	3TX7462-3LY1		895.-



# Spares for SICOP and SICONT<sup>Plus</sup> Contactors

## SICOP main contact kits (set of 6 fixed & 3 moving contacts)

For Contactor (AC3 Rating)	Type	LP per set ₹	Std. pkg. (nos.)
3TF32/42 (16A)	■ 3TY7420-0A	935.-	1
3TF33/43 (22A)	■ 3TY7430-0A	1305.-	1
3TF34 (32A)	■ 3TY7340-0C	2510.-	1
3TF35 (38A)	■ 3TY7350-0C	3830.-	1
3TF44 (32A)	■ 3TY7440-0A	2775.-	1
3TF45 (38A)	■ 3TY7450-0A	3830.-	1
3TF46 (45A)	■ 3TY7460-0YA	4105.-	1
3TF47 (63A)	■ 3TY7470-0YA	5985.-	1
3TF477 (70A)	■ 3TY7477-0YA	6940.-	1
3TF48 (75A)	■ 3TY7480-0A	7980.-	1
3TF49 (85A)	■ 3TY7490-0A	10695.-	1
3TF50 (110A)	■ 3TY7500-0YA	11665.-	1
3TF51 (140A)	■ 3TY7510-0YA	14675.-	1
3TF52 (170A)	■ 3TY7520-0YA	18440.-	1
3TF53 (205A)	■ 3TY7530-0YA	19675.-	1
3TF54 (250A)	■ 3TY7540-0YA	23665.-	1
3TF55 (300A)	■ 3TY7550-0YA	27825.-	1
3TF56 (400A)	■ 3TY7560-0YA	36815.-	1
3TF57 (475A)	3TY7570-0YA	49055.-	1
3TF68 (630A)	3TY7680-0B <sup>§</sup>	249320.-	1
3TF69 (820A)	3TY7690-0B <sup>§</sup>	400585.-	1

§ Set of 3x vacuum bottles.

## Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TF46-57	1NO + 1NC (Extd) Right	3TY7561-1E	1270.-	1
3TF46 to 3TF57, 3TK5	Built-in, 1NO+1NC Left / Right	3TY7561-1AA00-8K	985.-	1
	Add-on, Second 1NO+1NC Left / Right	3TY7561-1KA00-8K	985.-	1

## DC coils

For contactor	Type†	Unit LP ₹		Std. pkg. (nos.)
		For 24/110/ 220V		
3TH3, 3TF30-33/42/43	■ 3TY4803-0B..	1145.-		1
3TF34/35	3TY7443-0B..	1715.-		1
3TF68	3TY7683-0D..	LP on request		1

† Pl. add coil voltage code from table on page no. 35.

24V, 110V, 220V are stock items only for 3TH3/3TF30/31/32/33

## SICOP arc chambers

For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
3TF34	3TY7342-0C	680.-	1
3TF35	3TY7352-0C	715.-	1
3TF46	3TY7462-0YA	1405.-	1
3TF47	3TY7472-0YA	1715.-	1
3TF477	3TY7477-0YD	2065.-	1
3TF48	3TY7482-0A	2495.-	1
3TF49	3TY7492-0A	2880.-	1
3TF50	3TY7502-0YA	3415.-	1
3TF51	3TY7512-0YA	3890.-	1
3TF52	3TY7522-0YA	4265.-	1
3TF53	3TY7532-0YA	4400.-	1
3TF54	3TY7542-0YA	4745.-	1
3TF55	3TY7552-0YA	4885.-	1
3TF56	3TY7562-0YA	5505.-	1
3TF57	3TY7572-0YA	5655.-	1

## AC coils (50 Hz)

For contactor	Type†	Unit LP ₹		Std. pkg. (nos.)
		For 110/230/ 415V 50Hz	For all other coil voltages	
3TH3, 3TF30-33/42/43	■ 3TY7403-0A..	840.-	960.-	1
3TF34/35/44/45	■ 3TY7443-0A..	1035.-	1345.-	1
3TF46/47/477	■ 3TY7463-0A..	1800.-	2095.-	1
3TF48/49	■ 3TY7483-0A..	3290.-	3595.-	1
3TF50/51	■ 3TY7503-0A..	3345.-	4160.-	1
3TF52/53	■ 3TY7523-0A..	4235.-	5045.-	1
3TF54/55	■ 3TY7543-0A..	5125.-	5940.-	1
3TF56	■ 3TY7563-0A..	7440.-	9070.-	1
3TF57	3TY7573-0C..	22340.-	NA	1
3TF68	3TY7683-0C..	56305.-	NA	1
3TF69	3TY7693-0C..	106975.-	NA	1

† Pl. add coil voltage code from table on page no. 35.

110V, 230V, 415V are stock items for 3TH, 3TF30-56

24V is stock item only for 3TH30/3TF30/31/32/33

\*\* Available till stock last

LP - List Price

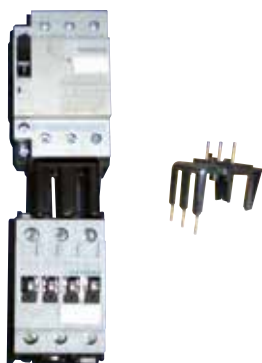
■ Stock items



Siemens switchgear. Tried, tested, trusted.

## Connector

The 3TS90 connector is used to mount the motor protection circuit breaker 3VS/3VU on the contactor 3TF with screw terminals. It enables mechanical and electrical connection between contactor and motor starter protection circuit breaker.



### Range:

MPCB		Contactor		Type of Connector	Unit LP ₹	Std. pkg. (nos.)
Type	Current Rating	Type	AC3 Current Rating			
3VS13/ 3VU13	0.16 to 20A	3TF30/31	9 / 12 A	3TS9001-8K	365.-	1
3VS13/ 3VU13	6 to 25A	3TF32/33	16 / 22A	3TS9002-8K	430.-	1

### Benefits:

- 1) Direct mounting of 3VS/3VU MPCB on 3TF
- 2) Secure poor connections
- 3) Reduced feeder size and assemble time

## Spares for 3TC Contactors

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
Set of main contacts	3TC44	3TY2440-0A	8170.-	1
	3TC48	3TY2480-0A	20005.-	1
	3TC52	3TY2520-0A	56730.-	1
	3TC56	3TY2560-0A	112505.-	1
AC coils <sup>1)</sup> (50 Hz)	3TC44	3TY7403-0A..	840.-	1
	3TC52	3TY6523-0A..	14390.-	1
DC coils <sup>2)</sup>	3TC44	3TY6443-0B..	14745.-	1
	3TC48	3TY6483-0B..	25150.-	1
	3TC52	3TY6523-0B..	62170.-	1
	3TC56	3TY6563-0B..	86345.-	1
Arc chambers	3TC44	3TY2442-0A	8005.-	1
	3TC48	3TY2482-0A	14525.-	1
	3TC52	3TY2522-0A	22610.-	1
	3TC56	3TY2562-0A	45700.-	1
Auxiliary contacts 1st 1NO + 1NC Left/Right 2nd 1NO + 1NC Left 2nd 1NO + 1NC Right	3TC44/48	3TY6501-1AA00	3640.-	1
	3TC48	3TY6501-1K		1
	3TC48	3TY6501-1L		1

### 1) AC coil voltage - Please enter coil codes from table below

Code	B0	F0	U0	R0
Coil voltage (50 Hz)	24	110	240	415 <sup>S</sup>

\$ Only for 3TC 44

### 2) DC coil voltage - Please enter coil codes from table below

Code	B4	F4	M4
Coil voltage	24	110	220



■ Stock items

Please order in multiples of standard packing.





Designed

with



Application



in



Mind



## Explore 3TS range of Contactors

Capacitor duty Contactors  
2 Pole Contactors  
Converter duty Contactors  
LED Switching Contactors  
4 Pole Contactors

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**SIEMENS**

# 3TS Capacitor duty Contactors

Now in **NEW**  
TI - GREY

The 3TS capacitor duty contactor (with **patented** de-latching technology) provides a reliable and economical solution for capacitor switching applications.

### Features and Benefits

- De-latching operating principle
- SIGUT Termination technique
- Finger touch proof terminals
- Compact Dimensions
- DIN / Screw mounting
- Reliable switching of capacitor banks
- Ease of wiring (can obviate use of lugs)
- Operator Safety
- Space saving
- Flexible mounting



Capacitor kVA <sub>r</sub> 415V, 3ph, 50Hz	Built-in aux. contacts	Type <sup>®</sup>	Unit LP ₹	Built-in aux. contacts	Type <sup>®</sup>	Unit LP ₹	Std. pkg. (nos.)
5 kvar <b>NEW</b>	1 NO	3TS2110-0A..5-8K <sup>†</sup>	2305.-				
7 kvar	1 NO	3TS1110-0A..5-8K <sup>†</sup>	2535.-				
10 kvar <b>NEW</b>	–	3TS2200-0A..5-8K <sup>†</sup>	2750.-	1NO+1NC	3TS2211-0A..5-8K	3155.-	
12.5 kvar	–	3TS1200-0A..5-8K <sup>†</sup>	2820.-	1NO+1NC	3TS1211-0A..5-8K	3225.-	1
16 kvar	–	3TS1300-0A..5-8K <sup>†</sup>	3875.-	1NO+1NC	3TS1311-0A..5-8K	4275.-	1
20 kvar	–	3TS1400-0A..5-8K <sup>†</sup>	4365.-	1NO+1NC	3TS1411-0A..5-8K	4755.-	1
25 kvar	–	3TS1500-0A..5-8K <sup>†</sup>	5045.-	1NO+1NC	3TS1511-0A..5-8K	5450.-	1
30 kvar <b>NEW</b>	–	3TS2500-0A..5-8K <sup>†</sup>	7855.-	1NO+1NC	3TS2511-0A..5-8K	8260.-	1
40 kvar <b>NEW</b>	2 NO + 2 NC	3TS2722-0A..5-8K	13335.-				
50 kvar	2 NO + 2 NC	3TS1722-0A..5-8K	15610.-				

<sup>†</sup> Facility to add one contact block of 1NO / 1NC

### @ AC 50Hz coil code - Please enter coil codes from table below

Code	For 3TS contactors		
	F0	P0	R0
Coil voltage (V)	110	230	415

### Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	3TX4010-2A	215.-	10
	1NC	3TX4001-2A	215.-	10

# 3MT7 Capacitor Duty Contactors

**NEW**

Capacitor kvar 440V AC, 3Ph, 50Hz	Built-in aux. contacts	Type	Unit LP ₹	Std. pkg. (nos.)
60kVA <sub>r</sub>	1NO+2NC	3MT70060JA126A..	16590.-	1
80kVA <sub>r</sub>	1NO+2NC	3MT70080JA126A..	20365.-	1
100kVA <sub>r</sub>	1NO+2NC	3MT70100JA126A..	21165.-	1

Please add coil code from adjacent table

Note: For SIRIUS 3RT26 Capacitor Duty Contactors - Please contact Siemens

Coil 50/60Hz for 60 kvar contactor					
Coil Code	C2	G2	N2	P2	R2
Voltage	24V AC	110V AC	220V AC	240V AC	415V AC

Coil 50Hz for 80 & 100 kvar contactors				
Coil Code	F0	M0	U0	V0
Voltage	110V AC	220V AC	240V AC	415V AC



# 3TS Converter duty Contactors

### Features

- Offers one of the highest AC-1 rating in given size
- Arc chamber interlock
- SIGUT Termination technique
- Compact Dimensions
- Screw mounting
- Double break parallel bridge auxiliary contacts

### Applications

- VFD, Soft Starters applications
- UPS
- Solar and Wind inverters
- Resistive loads
- Battery charging
- Neutral switching



Contactor Size	Rated current I <sub>e</sub> (A) AC1 at 415V	AC Coil		
		Type	Unit LP ₹	Std. pkg. (nos.)
3	100	3TS4822-0A..1-8K	9890.-	1
4	145	3TS5022-0A..1-8K	17230.-	1
6	200	3TS5122-0A..1-8K	23205.-	1
6	225	3TS5222-0A..1-8K	26910.-	1
8	275	3TS5322-0A..1-8K	38235.-	1
8	325	3TS5422-0A..1-8K	43225.-	1
10	400	3TS5522-0A..1-8K	48455.-	1
12	525	3TS5622-0A..1-8K	66335.-	1
12	630	3TS5722-0C..1-8K*	92060.-	1

### for 3TS48-3TF56

Code	AC Coil (50Hz)	
	F0	P0
Coil voltage (V)	110	230

### for 3TS57

AC 50/60Hz	Coil voltage (V)	110-132	220-240
	Code	F7	M7

\* 3TS57 - Suitable for AC-1 applications. For frequency converter applications refer to the nearest Siemens office

## 3TS 2 Pole Contactors



### Benefits:

- Ease of wiring (can avoid use of lugs)
- Operator Safety (contactor cannot be switched-on if arc chamber is not fitted properly)
- Flexible mounting
- Space saving
- Unmatched contact reliability (ensures reliable contact at low voltage & low currents)

### Standards:

3TS contactors conform to IS 13947 and IEC 60947. They also carry CE mark.

### Application:

- Single Phase Pumps
- HVAC
- ESP
- Lighting

## Spares for 3TS Contactors

### Capacitor Duty

#### Spare coils

Contactor kVAR	Description	Type*	Unit LP ₹	Std. pkg. (nos.)
5 kvar	AC 50Hz coil	3TY74030A..	840.-	1
7 kvar				
10 kvar				
12.5 kvar				
16 kvar				
20 kvar	3TY74430A..	1035.-	1	
25 kvar				
30 kvar				
40 kvar				
50 kvar				3TY74630A..

\* For coil, refer below table

For 3TS contactors			
Code	F0	P0	R0
Coil voltage (V)	110	230	415

### Pre-charge resistor + Contact block kit

Contactor kVAR	Description	Type	Unit LP ₹	Std. pkg. (nos.)
10 kvar	Pre-charge resistor + early making contact block kit + main contacts kit	3TS9762-0SX15-8K	2095.-	1
12.5 kvar		3TS9762-0SX15-8K	2095.-	1
16 kvar		3TS9763-0SX15-8K	3115.-	1
20 kvar		3TS9764-0SX15-8K	3515.-	1
25 kvar		3TS9765-0SX15-8K	4135.-	1
30 kvar		3TS9765-0SX15-8K	4135.-	1
40 kvar		3TS9767-0SX15-8K	10630.-	1
50 kvar	3TS9767-0SX15-8K	10630.-	1	

Note: Pre-charge resistor + early making contact block kit + main contacts should be replaced simultaneously

Rated current (A) Ie AC3 upto 415V	Auxiliary contacts	Type	Unit LP ₹	Std. pkg. (nos.)
9	1NO	3TS3010-0A..2-8K	875.-	1
12	1NO	3TS3110-0A..2-8K	970.-	1
18	1NO	3TS3210-0A..2-8K	1125.-	1
25	-	3TS3300-0A..2-8K	1400.-	1
32	-	3TS3400-0A..2-8K	3075.-	1
40	-	3TS3500-0A..2-8K	4390.-	1
50	-	3TS3600-0A..2-8K	5580.-	1
65	2NO+2NC	3TS4722-0A..2-8K	8390.-	1
75	2NO+2NC	3TS4822-0A..2-8K	9890.-	1
85	2NO+2NC	3TS4922-0A..2-8K	11510.-	1
105	2NO+2NC	3TS5022-0A..2-8K	15160.-	1
140	2NO+2NC	3TS5122-0A..2-8K	18430.-	1
160	2NO+2NC	3TS5222-0A..2-8K	25065.-	1
205	2NO+2NC	3TS5322-0A..2-8K	27610.-	1
250	2NO+2NC	3TS5422-0A..2-8K	31700.-	1
300	2NO+2NC	3TS5522-0A..2-8K	39640.-	1
400	2NO+2NC	3TS5622-0A..2-8K	51270.-	1

Coil voltage (V AC 50Hz)	110 V AC	230 V AC	415V AC
Code	F0	P0	R0

### Convertor Duty

#### Main contact kits (set of 6 fixed & 3 moving contacts)

Contactor rating	Description	Type*	Unit LP ₹	Std. pkg. (nos.)
3TS48	Spare main contact kits	3TS9148-01-8K	4785.-	1
3TS50		3TS9150-01-8K	8535.-	1
3TS51		3TS9151-01-8K	11605.-	1
3TS52		3TS9152-01-8K	12975.-	1
3TS53		3TS9153-01-8K	18430.-	1
3TS54		3TS9154-01-8K	20485.-	1
3TS55		3TS9155-01-8K	22530.-	1
3TS56		3TS9156-01-8K	30045.-	1
3TS57		3TS9157-01-8K	40965.-	1

#### Spare coils

	AC Coil	Unit LP ₹
3TS48	3TY7463-0A..	1800.-
3TS50	3TY7483-0A..	3290.-
3TS51/52	3TY7503-0A..	3345.-
3TS53/54	3TY7523-0A..	4235.-
3TS55	3TY7543-0A..	5125.-
3TS56	3TY7563-0A..	7440.-
3TS57	3TY7573-0C..	22340.-

refer page no. 40 for coil codes

## Spares for 3MT7 Contactors

Contactor kvar	Type	Unit LP ₹	Std. pkg. (nos.)
60kvar, 3MT70060JA126A..	3MT76000L__9M1A	1890.-	1
80kvar, 3MT70080JA126A..	3MT78000L__9M1A	2060.-	1
100kvar, 3MT70100JA126A..			

Refer page no 40 for coil codes

Spare side aux. contact block for 80 & 100 kvar contactor	Type	Unit LP ₹	Std. pkg. (nos.)
1NO+1NC	3MT70110CL09M1A	465.-	10
2NO	3MT70200CL09M1A	465.-	10

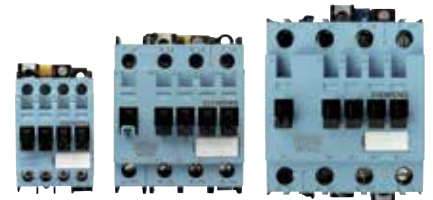




# 3TS 4 Pole Contactors for Power Applications

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NEW




Contactor Size	Rated current I <sub>e</sub> (A) AC1 at 415V	AC Coil <sup>1)</sup>	Unit LP ₹		DC Coil <sup>1)</sup>	Unit LP ₹	
			Standard Coil	Electronic Coil		Standard Coil	Electronic Coil
Size 0	18A	3TS3100-0A..4-8K	1405.-		3TS3100-0B..4-8K	2775.-	
Size 0	25A	3TS3200-0A..4-8K	1485.-		3TS3200-0B..4-8K	3145.-	
Size 1	35A	3TS3300-0A..4-8K	1665.-		3TS3300-0B..4-8K	3585.-	
Size 1	40A	3TS3400-0A..4-8K	2195.-		3TS3400-0B..4-8K	5305.-	
Size 2	45A	3TS3500-0A..4-8K	2570.-	3160.-	3TS3500-0B..4-8K		6105.-
Size 2	50A	3TS3600-0A..4-8K	2855.-	3470.-	3TS3600-0B..4-8K		7750.-
Size 2	65A	3TS3700-0A..4-8K	5555.-	6170.-	3TS3700-0B..4-8K		10795.-
Size 2	65A*	3TS3700-0A..4-8KA0	6270.-	6885.-	3TS3700-0B..4-8KA0		12370.-

1) Please add coil voltage code from table below

\* 50A AC-3 rating

Size S0 & S1	Standard Coil				
	AC (50 Hz)			DC	
Code	F7	M7	R7	B4	E4
Coil Voltages	87...127 V	175...240 V	337...427 V	24 V	52..55V DC

Size S2	Standard Coil			Electronic Coil 			
	AC (50 Hz)			AC (50 Hz)		DC	
Code	F0	P0	R0	F7	M7	B4	E4
Coil Voltages	110 V	230 V	415 V	81...136 V	137...273 V	24 V	52..55V DC

## Accessories

Auxiliary Contact Block	Type	Unit LP ₹
1 NO	3TX40 10-2A	215.-
1 NC	3TX40 01-2A	215.-

Mechanical Interlock	Type	Unit LP ₹
Size 0 and Size 1	3TX4091-1A	685.-
S2	3TX4091-1A + 3TX4091-1G**	685.-
		180.-

Surge Suppressor		Coil Voltage		Varistors		RC Element	
		AC	DC	Type	Unit LP ₹	Type	Unit LP ₹
Size 0, Size 1 and Size 2	Standard Coil	24 - 48 V	24 - 70 V	3TX7402-3GY1	615.-	3TX7402-3RY2	980.-
		48 - 127V	70 - 150V	3TX7402-3HY1	615.-	3TX7402-3SY2	
		127 - 240V	150 - 250V	3TX7402-3JY1	615.-	3TX7402-3TY2	
		240 - 400V	-	3TX7402-3KY1	790.-	3TX7402-3UY2	
Size 2	Electronic Coil	81-273V AC				3TX7402-3PY2	
			24-55V			3TX7402-3QY2	

\*\*Used only when the contactors are DIN rail mounted. Refer catalog for more details

## Main Contact Kits (set of 8 fixed and 4 moving contacts)

Contactor Size	Rated current Ie (A) AC1 at 415V	For Contactor	Type	Unit LP ₹
Size 1	35A	3TS3300	3TS9133-0E	1145.-
Size 1	40A	3TS3400	3TS9134-0E	1615.-
Size 2	45A	3TS3500	3TS9135-0E	2455.-
Size 2	50A	3TS3600	3TS9136-0E	2890.-
Size 2	65A	3TS3700	3TS9137-0E	2895.-
Size 2	65A*	3TS3700	3TS9137-0A	4190.-

\* 50A AC-3 rating

## Spare Coils

Contactor Size	Type <sup>2)</sup>	Unit LP ₹	Type <sup>2)</sup>	Unit LP ₹
	AC		DC	
Size 0	3TS9231-0A..4-8K	870.-	3TS9231-0B..4-8K	1190.-
Size 1	3TS9233-0A..4-8K	935.-	3TS9233-0B..4-8K	1250.-
Size 2	3TS9235-0A..4-8K (Standard)	1035.-		
Size 2	3TS9235-0A..4-8K (Electronic)	1500.-	3TS9235-0B..4-8K (Electronic)	1785.-

2) Please add voltage code from table in page no 42



## 3TS Single Pole LED Contactors

NEW

Siemens 3TS LED Contactors been designed keeping in mind the challenges in LED lamp switching applications and thus offers a highly reliable & safe solution to the customer

Available in  
**4000W** - 3TS3210-0AM71-8K  
**8000W** - 3TS3310-0AM71-8K

Price on request







# Definite Purpose Contactors **45.J & 42.J**

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**SIEMENS**

## Definite Purpose Contactors – 42.J & 45.J

Ordering data	AC 8a rating	Pan screw	Hex screw quad quick connect	Unit MRP ₹	Std pkg (nos)
1 Pole with shunt	25A ■	45CJ10A_B	45CJ10A_C	1045.-	1
	30A ■	45DJ10A_B	45DJ10A_C	1080.-	1
	40A	45EJ10A_B	45EJ10A_C	1120.-	1
1 Pole without shunt	25A ■	45CJ40A_B	45CJ40A_C	990.-	1
	30A ■	45DJ40A_B	45DJ40A_C	1020.-	1
	40A	45EJ40A_B	45EJ40A_C	1055.-	1



Ordering data	AC 8a rating	Box with lug dual quick connect	Hex screw dual quick connect	Unit MRP ₹	Std pkg (nos)
2 Pole	20A ■	45BJ20A_D	45BJ20A_E	1250.-	1
	30A ■	45DJ20A_D	45DJ20A_E	1265.-	1
	40A ■	45EJ20A_D	45EJ20A_E	1305.-	1



Ordering data	AC 8a rating	Box with lug dual quick connect	Hex screw dual quick connect	Unit MRP ₹	Std pkg (nos)
3 Pole	20A	42BJ35A_D	42BJ35A_E	1615.-	1
	25A	42CJ35A_D	42CJ35A_E	1640.-	1
	30A	42DJ35A_D	42DJ35A_E	1655.-	1
	40A ■	42EJ35A_D	42EJ35A_E	1685.-	1
3 Pole with inbuilt 1NO+1NC aux contacts	20A	42BJ36A_D	42BJ36A_E	2000.-	1
	25A	42CJ36A_D	42CJ36A_E	2025.-	1
	30A	42DJ36A_D	42DJ36A_E	2040.-	1
	40A ■	42EJ36A_D	42EJ36A_E	2070.-	1



Please add coil code from table below

Spare coil for contactor	Type ref	Unit MRP ₹	Std pkg (nos)
1 Pole contactor	75J19A_	305.-	1
2 Pole contactor	75J29A_	365.-	1
3 Pole contactor	75J39A_	415.-	1

Please add coil code from table below

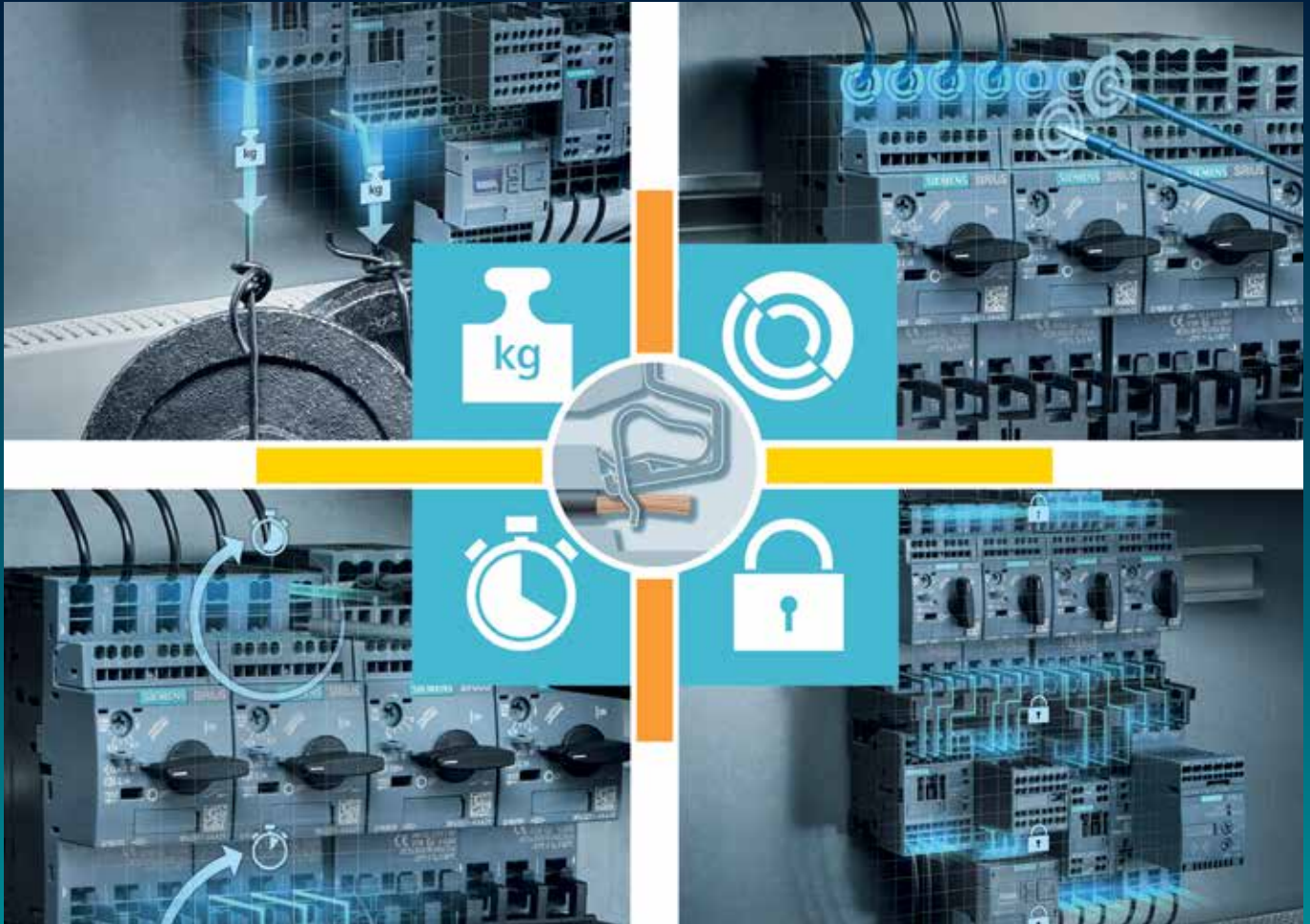
Coil Code	J	F	G	L	H	E
Voltage	24V AC, 50/60 Hz	120V AC, 60 Hz	240V AC, 50/60 Hz	277V AC, 60 Hz	480V AC, 60 Hz	145-180V AC, 50 Hz (available only for 1P & 2P versions)

### ■ Standard material

# Spring loaded connections are...

Strong

Flexible



Fast

Safe

## Easy connecting & wiring

Switch to Spring Loaded Technology

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**SIEMENS**

# Thermal Overload Relays - 3RU

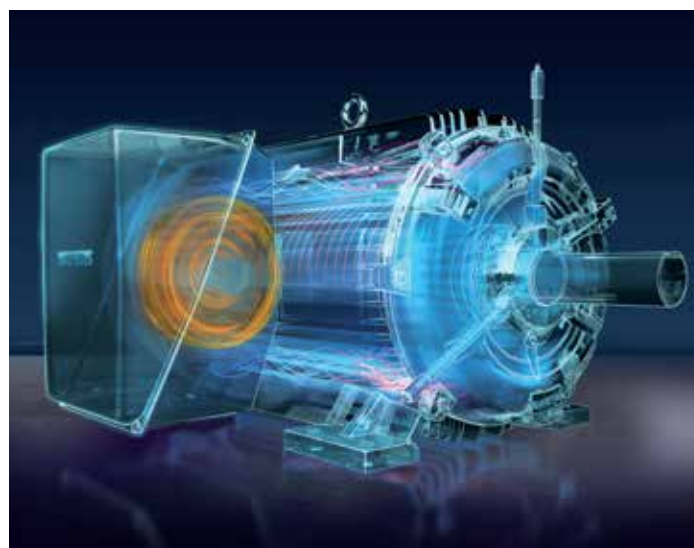


For contactor mounting - Class 10 - Screw Terminals

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Type#	Unit LP ₹	Std. pkg. (nos.)
S00	0.11 ... 0.16	3RU2116-0AB0	2415.-	1
	0.14 ... 0.2	3RU2116-0BB0		
	0.18 ... 0.25	3RU2116-0CB0		
	0.22 ... 0.32	3RU2116-0DB0		
	0.28 ... 0.4	3RU2116-0EB0		
	0.35 ... 0.5	3RU2116-0FB0		
	0.45 ... 0.63	3RU2116-0GB0		
	0.55 ... 0.8	3RU2116-0HB0		
	0.7 ... 1	3RU2116-0JB0		
	0.9 ... 1.25	3RU2116-0KB0	2440.-	
	1.1 ... 1.6	3RU2116-1AB0		
	1.4 ... 2	3RU2116-1BB0		
	1.8 ... 2.5	3RU2116-1CB0		
	2.2 ... 3.2	3RU2116-1DB0		
	2.8 ... 4	3RU2116-1EB0		
	3.5 ... 5	3RU2116-1FB0		
	4.5 ... 6.3	3RU2116-1GB0		
	5.5 ... 8	3RU2116-1HB0		
7 ... 10	3RU2116-1JB0	2645.-		
9 ... 12.5	3RU2116-1KB0			
11 ... 16	3RU2116-4AB0		2740.-	
S0	1.8 ... 2.5	3RU2126-1CB0	2530.-	1
	2.2 ... 3.2	3RU2126-1DB0		
	2.8 ... 4	3RU2126-1EB0		
	3.5 ... 5	3RU2126-1FB0		
	4.5 ... 6.3	3RU2126-1GB0		
	5.5 ... 8	3RU2126-1HB0		
	7 ... 10	3RU2126-1JB0	2695.-	
	9 ... 12.5	3RU2126-1KB0		
	11 ... 16	3RU2126-4AB0		
	14 ... 20	3RU2126-4BB0	2785.-	
	17 ... 22	3RU2126-4CB0		
	20 ... 25	3RU2126-4DB0		
	23 ... 28	3RU2126-4NB0		
	27 ... 32	3RU2126-4EB0		
	30 ... 36	3RU2126-4PB0		
34 ... 40	3RU2126-4FB0	4690.-		

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Type#	Unit LP ₹	Std. pkg. (nos.)	
S2	11 ... 16	3RU2136-4AB0	5105.-	1	
	14 ... 20	3RU2136-4BB0			
	18 ... 25	3RU2136-4DB0			
	22 ... 32	3RU2136-4EB0			
	28 ... 40	3RU2136-4FB0			
	36 ... 45	3RU2136-4GB0			6435.-
	40 ... 50	3RU2136-4HB0			6865.-
	47 ... 57	3RU2136-4QB0			7720.-
	54 ... 65	3RU2136-4JB0			8570.-
	62 ... 73	3RU2136-4KB0			8830.-
70 ... 80	3RU2136-4RB0	9390.-			
S3	28 ... 40	3RU2146-4FB0	7755.-	1	
	36 ... 50	3RU2146-4HB0	7755.-		
	45 ... 63	3RU2146-4JB0	8620.-		
	57 ... 75	3RU2146-4KB0	8925.-		
	70 ... 90	3RU2146-4LB0	9455.-		
	80 ... 100	3RU2146-4MB0	11765.-		

\* To order overload relays with spring-type terminals replace 10th digit from 'B' to 'C' (for S00, S0 size only)



## Accessory for independent mounting

For size of relay	Relay type	Type	Unit LP ₹	Std. pkg. (nos.)
S00*	3RU21, 3RB30/31, 3RR21/22/24	3RU2916-3AA01	795.-	1
S0*	3RU21, 3RB30/31, 3RR21/22/24	3RU2926-3AA01	820.-	1
S2	3RU21, 3RB30/31, 3RR21/22/24	3RU2936-3AA01	1345.-	1
S3	3RU21/3RB30/3RB31	3RU2946-3AA01	1580.-	1



\* To order terminal supports for overload relays with spring-type terminals replace 10th digit from 'A' to 'C' for S00, S0 only

# Thermal Overload Relays - 3RU



## Separate Mounting - Class 10

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Unit LP ₹	Std. pkg. (nos.)
S6	45	70 - 100	3RU2156-5BB10-8K	10455.-	1
	55	90 - 125	3RU2156-5CB10-8K	11055.-	1
	75	110 - 160	3RU2156-5DB10-8K	11075.-	1
	110	140 - 200	3RU2156-5EB10-8K	11075.-	1
	45	70 - 100	3RU2156-5BW10-8K <sup>§</sup>	11075.-	1
	55	90 - 125	3RU2156-5CW10-8K <sup>§</sup>	11075.-	1
	75	110 - 160	3RU2156-5DW10-8K <sup>§</sup>	11075.-	1
	110	140 - 200	3RU2156-5EW10-8K <sup>§</sup>	11075.-	1
S10	110	140 - 200	3RU2166-5EB10-8K	14790.-	1
	132	180 - 250	3RU2166-5FB10-8K	14790.-	1
	160	220 - 320	3RU2166-5GB10-8K	14790.-	1
S12	200	280 - 400	3RU2176-5HB10-8K	18830.-	1
	250	350 - 500	3RU2176-5JB10-8K	19180.-	1

## Separate Mounting - Class 30

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Unit LP ₹	Std. pkg. (nos.)
S6	37	55 - 80	3RU2356-5AB10-8K	18830.-	1
	45	70 - 100	3RU2356-5BB10-8K		1
	55	90 - 125	3RU2356-5CB10-8K		1
	37	55 - 80	3RU2356-5AW10-8K <sup>§</sup>		1
	45	70 - 100	3RU2356-5BW10-8K <sup>§</sup>		1
	55	90 - 125	3RU2356-5CW10-8K <sup>§</sup>		1
S10	75	110 - 160	3RU2366-5DB10-8K	18830.-	1
	110	140 - 200	3RU2366-5EB10-8K		1
S12	132	180 - 250	3RU2376-5FB10-8K	18830.-	1
	160	220 - 320	3RU2376-5GB10-8K		1

\* For heavy duty applications (starting time > 10s), it is recommended to use 3RU class 30 relays to avoid nuisance tripping and reliable protection.

§ Range available with straight through transformer

# Microprocessor based overload relay - 3RB

Size	Current setting range A	3RB (Class 10)		3RB (Class 20)		3RB (Class 5 to 30 – Settable)		Std. pkg. (nos.)
		With overload, phase failure and phase unbalance protections		With overload, phase failure and phase unbalance protections		With overload, phase failure and phase unbalance and earth fault protection		
		Type*	Unit LP ₹	Type*	Unit LP ₹	Type*	Unit LP ₹	
S00	0.1 ... 0.4	3RB3016-1RB0	5195.-	3RB3016-2RB0	6490.-	3RB3113-4RB0	10840.-	1
	0.32 ... 1.25	3RB3016-1NB0		3RB3016-2NB0		3RB3113-4NB0		1
	1 ... 4	3RB3016-1PB0		3RB3016-2PB0		3RB3113-4PB0		1
	3 ... 12	3RB3016-1SB0		3RB3016-2SB0		3RB3113-4SB0		1
S0	4 ... 16	3RB3016-1TB0	6045.-	3RB3016-2TB0	7540.-	3RB3113-4TB0	11335.-	1
	0.1 ... 0.4	3RB3026-1RB0		3RB3026-2RB0		3RB3123-4RB0		1
	0.32 ... 1.25	3RB3026-1NB0		3RB3026-2NB0		3RB3123-4NB0		1
	1 ... 4	3RB3026-1PB0		3RB3026-2PB0		3RB3123-4PB0		1
	3 ... 12	3RB3026-1SB0		3RB3026-2SB0		3RB3123-4SB0		1
	6 ... 25	3RB3026-1QB0		3RB3026-2QB0		3RB3123-4QB0		1
S2	10 ... 40	3RB3026-1VB0	6265.-	3RB3026-2VB0	11430.-	3RB3123-4VB0	14795.-	1
	12.5 ... 50	3RB3036-1UB0 <sup>#</sup>		3RB3036-2UB0 <sup>#</sup>		3RB3133-4UB0 <sup>#</sup>		19290.-
	20 ... 80	3RB3036-1WB0 <sup>#</sup>		3RB3036-2WB0 <sup>#</sup>		3RB3133-4WB0 <sup>#</sup>		19290.-
	12.5 ... 50	3RB3036-1UW1 <sup>#</sup>		3RB3036-2UW1 <sup>#</sup>		3RB3133-4UW1 <sup>#</sup>		19290.-
S3	20 ... 80	3RB3036-1WW1 <sup>#</sup>	13810.-	3RB3036-2WW1 <sup>#</sup>	17275.-	3RB3133-4WW1 <sup>#</sup>	19290.-	1
	12.5 ... 50	3RB3046-1UB0 <sup>#</sup>		3RB3046-2UB0 <sup>#</sup>		3RB3143-4UB0 <sup>#</sup>		19305.-
	32 ... 115	3RB3046-1XB0 <sup>#</sup>		3RB3046-2XB0 <sup>#</sup>		3RB3143-4XB0 <sup>#</sup>		19690.-
	12.5 ... 50	3RB3046-1UW1 <sup>#</sup>		3RB3046-2UW1 <sup>#</sup>		3RB3143-4UW1 <sup>#</sup>		19605.-
S6	32 ... 115	3RB3046-1XW1 <sup>#</sup>	14245.-	3RB3046-2XW1 <sup>#</sup>	17780.-	3RB3143-4XW1 <sup>#</sup>	19690.-	1
	50 ... 200	3RB2056-1FC2 <sup>&amp;</sup>		3RB2056-2FC2 <sup>&amp;</sup>		3RB2153-4FC2 <sup>&amp;</sup>		26040.-
	50 ... 200	3RB2056-1FW2 <sup>§</sup>		3RB2056-2FW2 <sup>§</sup>		3RB2153-4FW2 <sup>§</sup>		26040.-
S10/12	55 ... 250	3RB2066-1GC2 <sup>&amp;</sup>	18985.-	3RB2066-2GC2 <sup>&amp;</sup>	26435.-	3RB2163-4GC2 <sup>&amp;</sup>	26555.-	1
S10/12	160 ... 630	3RB2066-1MC2 <sup>&amp;</sup>	33790.-	3RB2066-2MC2 <sup>&amp;</sup>	42240.-	3RB2163-4MC2 <sup>&amp;</sup>	43755.-	1

\* For size S00 & S0: To order relay with spring type terminals, please replace 10th digit from 'B' to 'E'

# Devices with straight-through transformer for stand-alone installation

@ Devices with screw terminals for mounting onto contactor.

& Devices with busbar connection for mounting onto contactor or stand-alone installation.

§ Devices with straight-through transformer for mounting onto contactor with Box terminals or stand-alone installation.



# Microprocessor based overload relay - 3RB22 / 3RB23

0.3 – 3 A  
2.4 – 25 A

10 – 100 A

20 – 200 A

63 – 630 A

+

+

Current Measuring Module

Connecting Cable

- 0.1 mtr.  
- 0.5 mtr.

Evaluation Module

- Overload Protection
- Trip Class 5 to 30 settable
- Thermistor motor protection
- Phase failure protection
- Phase unbalance protection
- Large setting range (1:10)
- Overload warning
- LED indication

Functional Module (Optional)

- Analog Output (4-20mA)
- Internal earth fault protection
- Ground fault signaling
- Overload warning

## Evaluation modules

(Suitable with all current measuring modules)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
3RB22 with monostable output	3RB2283-4AA1	20545.-	1
3RB23 with bistable output	3RB2383-4AA1	29585.-	1
3RB24 with Monostable output (Processing for I/O link)	3RB2483-4AA1	30295.-	1

## Current measuring modules

Size	Current range	Type	Unit LP ₹	Std. pkg. (nos.)
S00/S0	0.3 to 3A	3RB2906-2BG1	13100.-	1
	2.4 to 25A	3RB2906-2DG1	13835.-	1
S2/S3	10 to 100A	3RB2906-2JG1	15280.-	1
S6	20 to 200A	3RB2956-2TG2	29865.-	1
S10/12	63 to 630A	3RB2966-2WH2	34475.-	1

## Connecting cable

(For connection between evaluation module and current measuring module)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Length 0.1 m (S00...S3)	3RB2987-2B	1195.-	1
Length 0.5 m (S00...S12)	3RB2987-2D	1745.-	1

## Function modules for 3RB22 3RB23 (optional)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Overload warning + Analog output	3RB2985-2AA0	8255.-	1
Internal earth fault protection + Overload warning + Analog output	3RB2985-2AA1	13225.-	1
Internal earth fault (protection + signaling) + Analog output	3RB2985-2AB1		
Internal earth fault protection + Overload warning	3RB2985-2CA1	2525.-	1
Internal earth fault (protection + signaling)	3RB2985-2CB1		

## Operator Panel module for 3RB24 (optional)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Operator panels (set)</b> One set comprises: • 1 x operator panel • 1 x 3RA6936-0A enabling module • 1 x 3RA6936-0B interface cover • 1 x fixing terminal	3RA6935-0A	101265.-	1
<b>Connecting cables</b> Length 2.5 m (round), for connecting the evaluation module to the operator panel	3UF7933-0BA00-0	4760.-	1

## Accessories for 3RB20 and 3RB21

Description	For size	Type	Unit LP ₹	Std. pkg. (nos.)
Resetting plunger with funnel	S0 - S12	3RU1900-1A	1140.-	1
Reset cord with holder - 400mm 600mm	S00 - S3	3RU1900-1B 3RU1900-1C	3245.-	1

## Accessories for 3RU2 Thermal overload relays and 3RB3 solid state overload relays

Accessory Type	Version	Size	3RU2 Thermal overload relay	3RB30/31 solid state overload relay	Type	Unit LP ₹	Std. pkg. (nos.)
Mechanical Reset	Resetting plungers, holders & formers	S00, S0, S6-S12	✓	X	3RU2900-1A	905.-	1
	Resetting plungers, holders & formers		X	✓	3RB3980-0A	455.-	1
	Pushbuttons with extended stroke (12 mm), IP65, Dia 22 mm		✓	✓	3SU1200-0FB10-0AA0	2615.-	1
	Extension plungers		✓	✓	3SU1900-0KG10-0AA0	245.-	1
Cable releases with holder for RESET	Length 400mm	S00, S0, S6-S12	✓	X	3RU2900-1B	2545.-	1
	Length 600mm		✓	X	3RU2900-1C		1
	Length 400mm		X	✓	3RB3980-0B	4395.-	1
	Length 600mm		X	✓	3RB3980-0C		
Module for remote reset, electrical	24 ... 30 V AC/DC	S00, S0, S6-S12	✓	X	3RU1900-2AB71	3200.-	1
	110 ... 127 V AC/DC		✓	X	3RU1900-2AF71		
	220 ... 250 V AC/DC		✓	X	3RU1900-2AM71		
Sealable covers for covering the setting knob	For 3RB30/3RB31	S00, S0, S6-S12	X	✓	3RB3984-0	2085.-	1
	For 3RU2 / 3RV2		✓	X	3RV2908-0P	120.-	10
Terminal Covers for busbar connections	Length 55 mm	S3			3RT1946-4EA1	890.-	1
	Length 100 mm	S6	✓	✓	3RT1956-4EA1	1700.-	1
	Length 120 mm	S10, S12	✓	✓	3RT1966-4EA1	2245.-	1
Terminal Cover for Box Terminals	Length 20.6 mm	S2	✓	✓	3RT1936-4EA2	770.-	1
	Length 20.8 mm	S3	✓	✓	3RT1946-4EA2	770.-	1
	Length 25 mm	S6	✓	✓	3RT1956-4EA2	995.-	1
	Length 30 mm	S10/12	✓	✓	3RT1966-4EA2	1755.-	1



**Widest range**  
electronic  
overload relays

## Thermal overload relays - 3UA / 3UC

Bimetal relay	Current type of mounting	Current setting range A	Type	Unit LP ₹	Std. pkg. (nos.)				
3UA50	Contactor® mounting (3TF30/31)	0.1 – 0.16	3UA5000-0A	2190.-	1				
		0.16 – 0.25	3UA5000-0C						
		0.25 – 0.4	3UA5000-0E						
		0.4 – 0.63	3UA5000-0G						
		0.63 – 1	3UA5000-0J						
		0.8 – 1.25	3UA5000-0K						
		1 – 1.6	3UA5000-1A						
		1.25 – 2	3UA5000-1B						
		1.6 – 2.5	3UA5000-1C			2205.-	1		
		2 – 3.2	3UA5000-1D						
		2.5 – 4	3UA5000-1E						
		3.2 – 5	3UA5000-1F						
4 – 6.3	3UA5000-1G								
5 – 8	3UA5000-1H								
6.3 – 10	3UA5000-1J	2220.-	1						
8 – 12.5	3UA5000-1K								
10 – 14.5	3UA5000-2S								
3UA52	Contactor® mounting (3TF32/33)	1 – 1.6	3UA5200-1A	2280.-	1				
		1.25 – 2	3UA5200-1B						
		1.6 – 2.5	3UA5200-1C						
		2 – 3.2	3UA5200-1D						
		2.5 – 4	3UA5200-1E						
		3.2 – 5	3UA5200-1F						
		4 – 6.3	3UA5200-1G			2285.-	1		
		5 – 8	3UA5200-1H						
		6.3 – 10	3UA5200-1J						
		8 – 12.5	3UA5200-1K						
		10 – 16	3UA5200-2A			2490.-	1		
		12.5 – 20	3UA5200-2B						
16 – 25	3UA5200-2C								
16 – 25	3UA5200-2C								
3UA55	Contactor® mounting (3TF34/35, 44/45)	10 – 16	3UA5500-2A	3890.-	1				
		12.5 – 20	3UA5500-2B						
		16 – 25	3UA5500-2C						
		20 – 32	3UA5500-2D						
		25 – 36	3UA5500-2Q			4045.-	1		
		32 – 40	3UA5500-2R						
		36 – 45	3UA5500-8M						
		36 – 45	3UA5500-8M						
		3UA58-Z1	Contactor® mounting (3TF46, 3TF47, 3TF48, 3TF49)			16 – 25	3UA5800-2CZ1	7015.-	1
						20 – 32	3UA5800-2DZ1		
						25 – 40	3UA5800-2EZ1		
						32 – 50	3UA5800-2FZ1		
40 – 57	3UA5800-2TZ1								
50 – 63	3UA5800-2PZ1								
57 – 70	3UA5800-2VZ1								
63 – 80	3UA5800-2UZ1			7015.-	1				
70 – 95	3UA5800-8YZ1								
16 – 25	3UA5800-2CZ2					7015.-	1		
20 – 32	3UA5800-2DZ2								
25 – 40	3UA5800-2EZ2								
3UA58-Z2	Contactor® mounting (3TF47 7)	32 – 50	3UA5800-2FZ2	6020.-	1				
		40 – 57	3UA5800-2TZ2						
		50 – 63	3UA5800-2PZ2	7055.-	1				
		57 – 70	3UA5800-2VZ2						
		63 – 80	3UA5800-2UZ2						
		3UA58 30	Contactor® mounting (3TF50)	70 – 95	3UA5830-5B	7725.-	1		
85 – 105	3UA5830-5C			7875.-	1				
95 – 120	3UA5830-5D								
3UA62	Independent mounting	85 – 135	3UA6230-5A	11230.-	1				
		115 – 180	3UA6230-5B						
		160 – 250	3UA6230-5C	15515.-	1				
		200 – 320	3UA6230-5D	15975.-	1				
250 – 400	3UA6230-5E								
3UA68	Independent mounting	320 – 500	3UA6830-5F	20645.-	1				
		400 – 630	3UA6830-5G						

@ Can be converted to independent mounting using accessory.

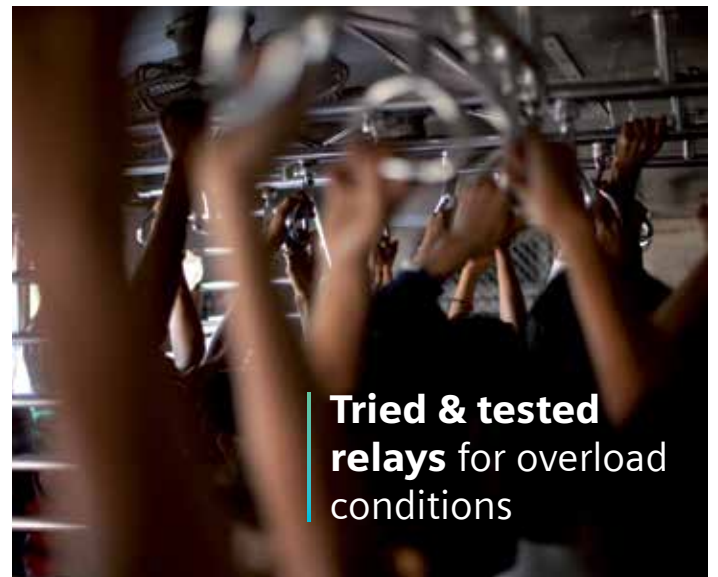
## Relays for heavy starting applications, independent mounting

Current setting range A	Type	Unit LP ₹	Current setting range A	Type	Unit LP ₹	Std. pkg. (nos.)
2.5 – 4	3UC5030-5E	19520.-	40 – 63	3UC5830-5G	19520.-	1
4 – 6.3	3UC5030-5G		19895.-	63 – 100	3UC6230-5J	1
6.3 – 10	3UC5030-5J			100 – 160	3UC6230-5A	
8 – 12.5	3UC5030-5K			125 – 200	3UC6630-5B	
10 – 16	3UC5830-5A			160 – 250	3UC6630-5C	
16 – 25	3UC5830-5C			250 – 400	3UC6630-5E	
25 – 40	3UC5830-5E					

Note: Relays always supplied in manual execution, can be converted at site to auto execution.

## Accessories for 3UA birelays

Description	For relay type	Type	Unit LP ₹	Std. pkg. (nos.)
Accessory for independent mounting	3UA50	3UX1418	505.-	1
	3UA52	3UX1420	530.-	1
	3UA55	3UX1425	645.-	1
	3UA58	3UX1421	680.-	1
	3UA58 30	3UX1421-OXA	735.-	1
	Resetting plunger funnel	3UA5/6, 3UC5/6	3UX1011 3UX1013	235.-
Reset cord + holder: 400 mm length 600 mm length	3UA5/6, 3UC5/6	3UX1015	325.-	5
		3UX1016		
Protection cover	3UA58/3UA58 30 Other 3UA5/6	3UX11101YA	240.-	10
		3UX11111YA		
Set of 3 terminals to convert from 3UA5800-2. or 3UA5800-2.Z2 to 3UA5800-2.Z1 3UA5800-2.Z1 or 3UA5800-2.Z2 to 3UA5800-2. 3UA5800-2. or 3UA5800-2.Z1 to 3UA5800-2.Z2		3UX5811 3UX5812 3UX5813	185.-	10 10 10



**Tried & tested**  
relays for overload  
conditions

■ Stock items

MRP - Maximum Retail Price

LP - List Price

Siemens Limited Low Voltage Control Products Price List Eff. 15.04.2022 51



# Motor Protection Circuit Breakers - 3RV



Class 10, without auxiliary switch, standard switching capacity, screw terminals

MPCB Specifications			MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>		MPCB for transformer protection				
MPCB Size	MPCB rated current A	MPCB overload range A	Type*	Unit LP ₹	Type*	Unit LP ₹	Type*	Unit LP ₹	Type*	Unit LP ₹			
S00	0.16	0.11...0.16	3RV2011-0AA10	5190.-	3RV2111-0AA10	6565.-	3RV2311-0AC10	5100.-	3RV2411-0AA10	8830.-			
	0.2	0.14...0.2	3RV2011-0BA10		3RV2111-0BA10		3RV2311-0BC10		3RV2411-0BA10				
	0.25	0.18...0.25	3RV2011-0CA10		3RV2111-0CA10		3RV2311-0CC10		3RV2411-0CA10				
	0.32	0.22...0.32	3RV2011-0DA10		3RV2111-0DA10		3RV2311-0DC10		3RV2411-0DA10				
	0.4	0.28...0.4	3RV2011-0EA10		3RV2111-0EA10		3RV2311-0EC10		3RV2411-0EA10				
	0.5	0.35...0.5	3RV2011-0FA10		3RV2111-0FA10		3RV2311-0FC10		3RV2411-0FA10				
	0.63	0.45...0.63	3RV2011-0GA10		3RV2111-0GA10		3RV2311-0GC10		3RV2411-0GA10				
	0.8	0.55...0.8	3RV2011-0HA10		3RV2111-0HA10		3RV2311-0HC10		3RV2411-0HA10				
	1	0.7...1	3RV2011-0JA10		3RV2111-0JA10		3RV2311-0JC10		3RV2411-0JA10				
	1.25	0.9...1.25	3RV2011-0KA10		3RV2111-0KA10		3RV2311-0KC10		3RV2411-0KA10				
	1.6	1.1...1.6	3RV2011-1AA10		3RV2111-1AA10		3RV2311-1AC10		3RV2411-1AA10				
	2	1.4...2	3RV2011-1BA10		3RV2111-1BA10		3RV2311-1BC10		3RV2411-1BA10				
	2.5	1.8...2.5	3RV2011-1CA10		3RV2111-1CA10		3RV2311-1CC10		3RV2411-1CA10				
	3.2	2.2...3.2	3RV2011-1DA10		3RV2111-1DA10		3RV2311-1DC10		3RV2411-1DA10				
	4	2.8...4	3RV2011-1EA10		3RV2111-1EA10		3RV2311-1EC10		3RV2411-1EA10				
	5	3.5...5	3RV2011-1FA10		3RV2111-1FA10		3RV2311-1FC10		3RV2411-1FA10				
6.3	4.5...6.3	3RV2011-1GA10	3RV2111-1GA10	3RV2311-1GC10	3RV2411-1GA10								
8	5.5...8	3RV2011-1HA10	3RV2111-1HA10	3RV2311-1HC10	3RV2411-1HA10								
10	7...10	3RV2011-1JA10	3RV2111-1JA10	3RV2311-1JC10	3RV2411-1JA10								
12.5	9...12.5	3RV2011-1KA10	7465.-	3RV2111-1KA10	9000.-	3RV2311-1KC10	6990.-	3RV2411-1KA10	10330.-				
16	10...16	3RV2011-4AA10	8700.-	3RV2111-4AA10	10115.-	3RV2311-4AC10	7870.-	3RV2411-4AA10	10645.-				
S0	16	10 ... 16	3RV2021-4AA10	8800.-	3RV2121-4AA10	10445.-	3RV2321-4AC10	7960.-	3RV2421-4AA10	11195.-			
	20	13 ... 20	3RV2021-4BA10	9400.-	3RV2121-4BA10	11670.-	3RV2321-4BC10	9160.-	3RV2421-4BA10	18590.-			
	22	16 ... 22	3RV2021-4CA10		3RV2121-4CA10		3RV2321-4CC10		3RV2421-4CA10				
	25	18 ... 25	3RV2021-4DA10		3RV2121-4DA10		3RV2321-4DC10		3RV2421-4DA10				
	28	23 ... 28	3RV2021-4NA10		15840.-		3RV2121-4NA10		26210.-	3RV2321-4NC10	15260.-	-	-
	32	27 ... 32	3RV2021-4EA10		-		-		3RV2321-4EC10	17605.-	-	-	
	36	30 ... 36	3RV2021-4PA10		18105.-		-		-	3RV2321-4PC10	-	-	
	40	34 ... 40	3RV2021-4FA10		-		-		3RV2321-4FC10	-	-		
25	18 ... 25	3RV2031-4DA10	16895.-		3RV2131-4DA10		26765.-		3RV2331-4DC10	15570.-	3RV2431-4DA10	21220.-	
32	22 ... 32	3RV2031-4EA10	18600.-	3RV2131-4EA10	29475.-	3RV2331-4EC10	17800.-	3RV2431-4EA10	25560.-				
36	28 ... 36	3RV2031-4PA10		3RV2131-4PA10		3RV2331-4PC10		3RV2431-4PA10					
40	32 ... 40	3RV2031-4UA10		3RV2131-4UA10		3RV2331-4UC10		3RV2431-4UA10					
45	35 ... 45	3RV2031-4VA10		22710.-		3RV2131-4VA10		30965.-	3RV2331-4VC10	21470.-	3RV2431-4VA10	28740.-	
52	42 ... 52	3RV2031-4WA10		23440.-		3RV2131-4WA10		33035.-	3RV2331-4WC10	21640.-	3RV2431-4WA10	29795.-	
59	49 ... 59	3RV2031-4XA10				3RV2131-4XA10			3RV2331-4XC10				
65	54 ... 65	3RV2031-4JA10				3RV2131-4JA10			3RV2331-4JC10				
73	62 ... 73	3RV2031-4KA10				24595.-			3RV2131-4KA10		34695.-		3RV2331-4KC10
80	70 ... 80	3RV2031-4RA10	-	-	3RV2331-4RC10	-	-						
S3	50	36 ... 50	3RV2041-4HA10	23500.-	3RV2142-4HA10	33100.-	3RV2341-4HC10	21575.-	-				
	63	45 ... 63	3RV2041-4JA10		3RV2142-4JA10		3RV2341-4JC10	21775.-	-				
	75	57 ... 75	3RV2041-4KA10	24900.-	3RV2142-4KA10	34800.-	3RV2341-4KC10	22880.-	-				
	84	65 ... 84	3RV2041-4RA10		3RV2142-4RA10		3RV2341-4RC10	22880.-	-				
	93	75 ... 93	3RV2041-4YA10		3RV2142-4YA10		3RV2341-4YC10	22880.-	-				
100	80 ... 100	3RV2041-4MA10	-	-	3RV2341-4MC10	22880.-	-						

1) MPCB trips on SC and also on OL

2) MPCB trips on SC and opens contactor on OL

3) MPCB trips on SC

\* Spring type terminals are not available for relay function MPCB 3RV21

\* 3RV20 and 3RV23: For ordering spring type terminal please replace 11th digit from "1" to "2" (available upto 32A in S00 and S0 only)

Standard packing for all above products is 1 no.

**Class 10, without auxiliary switch, increased switching capacity (100kA), screw terminals**

MPCB Specifications			MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>	
MPCB Size	MPCB rated current A	MPCB overload range A	Type	Unit LP ₹	Type	Unit LP ₹	Type	Unit LP ₹
S2	25	18 ... 25	3RV2032-4DA10	21710.-	-	-	3RV2332-4DC10	18700.-
	32	22 ... 32	3RV2032-4EA10	23505.-	-	-	3RV2332-4EC10	18700.-
	36	28 ... 36	3RV2032-4PA10	25310.-	-	-	3RV2332-4PC10	20785.-
	40	32 ... 40	3RV2032-4UA10	27240.-	-	-	3RV2332-4UC10	25740.-
	45	35 ... 45	3RV2032-4VA10	30135.-	-	-	3RV2332-4VC10	25740.-
	52	42 ... 52	3RV2032-4WA10	30415.-	-	-	3RV2332-4WC10	25970.-
	59	49 ... 59	3RV2032-4XA10	30680.-	-	-	3RV2332-4XC10	25970.-
	65	54 ... 65	3RV2032-4JA10	30680.-	-	-	3RV2332-4JC10	25970.-
	73	62 ... 73	3RV2032-4KA10	34840.-	-	-	3RV2332-4KC10	27280.-
	80	70 ... 80	3RV2032-4RA10	36715.-	-	-	3RV2332-4RC10	27280.-
S3	40	28 ... 40	3RV2042-4FA10	27285.-	3RV2142-4FA10	30125.-	3RV2342-4FC10	27805.-
	50	36 ... 50	3RV2042-4HA10	30555.-	3RV2142-4HA10	31830.-	3RV2342-4HC10	29510.-
	63	45 ... 63	3RV2042-4JA10	30970.-	3RV2142-4JA10	31830.-	3RV2342-4JC10	29510.-
	75	57 ... 75	3RV2042-4KA10	35380.-	3RV2142-4KA10	33425.-	3RV2342-4KC10	30985.-
	84	65 ... 84	3RV2042-4RA10	36950.-	3RV2142-4RA10	33425.-	3RV2342-4RC10	30985.-
	93	75 ... 93	3RV2042-4YA10	36950.-	3RV2142-4YA10	33425.-	3RV2342-4YC10	30985.-
	100	80 ... 100	3RV2042-4MA10	36950.-	3RV2142-4MA10	33425.-	3RV2342-4MC10	30985.-

**Class 20, without auxiliary switch, screw terminals**

MPCB Specifications					MPCB with Standard release <sup>1)</sup>		Std. pkg. (nos.)
MPCB Size	MPCB rated current A	MPCB overload range A	MPCB Short circuit setting A	Breaking capacity kA	Type <sup>1)</sup>	Unit LP ₹	
S2	14	9.5 ... 14	208	65	3RV2031-4SB10	20745.-	1
	17	12 ... 17	260	65	3RV2031-4TB10	20745.-	1
	20	14 ... 20	260	65	3RV2031-4BB10	20745.-	1
	25	18 ... 25	325	65	3RV2031-4DB10	22925.-	1
	32	22 ... 32	416	65	3RV2031-4EB10	24545.-	1
	36	28 ... 36	520	65	3RV2031-4PB10	25810.-	1
	40	32 ... 40	585	65	3RV2031-4UB10	27200.-	1
	45	35 ... 45	650	65	3RV2031-4VB10	29735.-	1
	52	42 ... 52	741	65	3RV2031-4WB10	30200.-	1
	59	49 ... 59	845	65	3RV2031-4XB10	30535.-	1
S3	65	54 ... 65	845	65	3RV2031-4JB10	30535.-	1
	40	28 ... 40	520	100	3RV2042-4FB10	31640.-	1
	50	36 ... 50	650	100	3RV2042-4HB10		1
	63	45 ... 63	819	100	3RV2042-4JB10		1
	75	57 ... 75	975	100	3RV2042-4KB10		1
	84	65 ... 84	1170	100	3RV2042-4RB10		1
	93	75 ... 93	1300	100	3RV2042-4YB10		1
100	80 ... 100	1300	100	3RV2042-4MB10	1		

1) MPCB trips on SC and also on OL      2) MPCB trips on SC and opens contactor on OL      3) MPCB trips on SC

Standard packing for all above products is 1 no.

**Circuit breaker size S00 for motor protection, Toggle Switch**

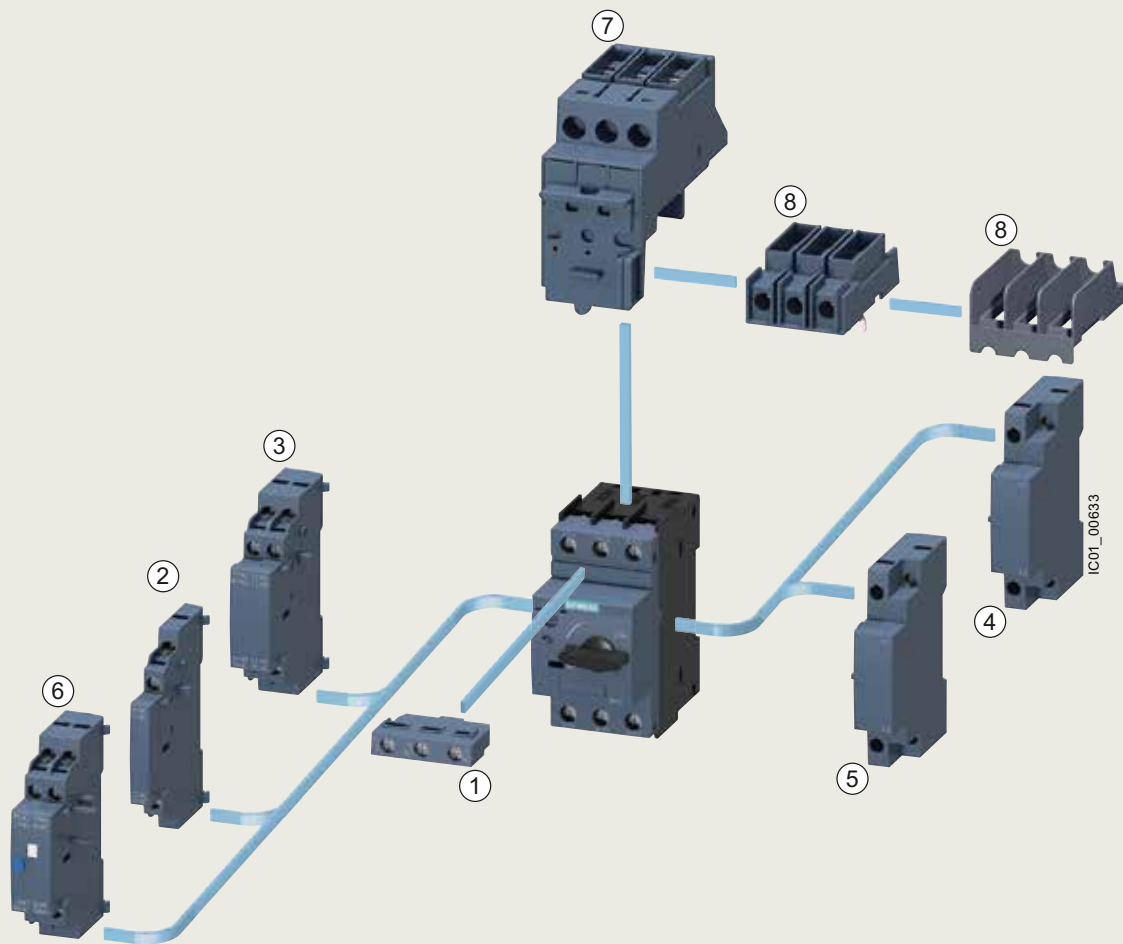
Rating	Type *	Unit LP ₹	Rating	Type *	Unit LP ₹
0.11...0.16	3RV1011-0AA10	4895.-	1.1...1.6	3RV1011-1AA10	6045.-
0.14 ... 0.2	3RV1011-0BA10	4895.-	1.4 ... 2	3RV1011-1BA10	6045.-
0.18...0.25	3RV1011-0CA10	4895.-	1.8...2.5	3RV1011-1CA10	6045.-
0.22 ... 0.32	3RV1011-0DA10	5170.-	2.2 ... 3	3RV1011-1DA10	6070.-
0.28...0.4	3RV1011-0EA10	5170.-	2.8...4	3RV1011-1EA10	6340.-
0.35 ... 0.5	3RV1011-0FA10	6005.-	3.5 ... 5	3RV1011-1FA10	6340.-
0.45...0.63	3RV1011-0GA10	6005.-	4.5 ... 6	3RV1011-1GA10	6340.-
0.55 ... 0.8	3RV1011-0HA10	6005.-	5.5 ... 8	3RV1011-1HA10	6340.-
0.7...1	3RV1011-0JA10	6005.-	7 ... 10	3RV1011-1JA10	6340.-
0.9 ... 1.25	3RV1011-0KA10	6045.-	9 ... 12	3RV1011-1KA10	6965.-



Standard packing for all above products is 1 no.

\* Use with accessories for 3RV2.





# Accessories complimenting the application

## Mountable accessories

- ① Transverse auxiliary switch
- ② Lateral auxiliary switch with 2 contacts
- ③ Lateral auxiliary switch with 4 contacts
- ④ Shunt release (can not be used with 3RV21 motor starter protectors)
- ⑤ Undervoltage release without/with leading contacts (can not be used with 3RV21 motor starter protectors)
- ⑥ Signaling switch (can not be used with 3RV27 and 3RV28 circuit breakers)
- ⑦ Isolator module (can not be used with 3RV2.4, 3RV27 and 3RV28 circuit breakers)
- ⑧ Terminal block type E or phase barriers

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## Accessories for 3RV2

### Mountable accessories

Type of accessory	Version	MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Transverse auxiliary switches With screw terminals, mountable on front	1 CO	S00 ... S3	3RV2901-1D#	890.-	1
	1 NO + 1 NC	S00 ... S3	3RV2901-1E	1065.-	1
	2NO	S00 ... S3	3RV2901-1F	1085.-	1
Transverse auxiliary switches for operation in dusty atmospheres and in solid-state circuits with low operating currents	1 CO	S00 ... S3	3RV2901-1G#	3505.-	1
Covers for transverse auxiliary switches		S00 ... S3	3RV2901-0H#	520.-	10
Lateral auxiliary switches with screw terminals mountable on the left	1 NO + 1 NC	S00 ... S3	3RV2901-1A	1180.-	1
	2 NO		3RV2901-1B		1
	2 NC		3RV2901-1C		1
	2 NO + 2 NC		3RV2901-1J#		2020.-
Signaling switches (Alarm contacts) Mountable on the left side	Separate tripped and short-circuit alarms, 1 NO + 1 NC each	S00 ... S3	3RV2921-1M	2130.-	1
Isolator modules (for isolating individual MPCB)	Lockable in disconnected position	S00, S0	3RV2928-1A#	4610.-	1
		S2 (Up to 65A only)	3RV2938-1A#	5525.-	1
Fuse Monitoring MPCB		S00	3RV16110BD10	8755.-	1

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

Type of accessory®	Version	MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)	
Undervoltage trip units, Screw terminals	24 V DC	S00 ... S3	3RV2902-1AB4#	8455.-	1	
	110 V AC 50Hz / 120 V AC 60Hz		3RV2902-1AF0#		1	
	230 V AC 50Hz / 240 V AC 60Hz		3RV2902-1AP0		1	
	400 V AC 50Hz / 440 V AC 60Hz		3RV2902-1AV0		1	
Shunt trip units, Screw terminals	20...24V 50/60 Hz (100% ON period)		3RV2902-1DB0	3135.-	1	
	20...70V 50/60Hz, DC (5s ON period)				3RV2902-1DF0	1
	90...110V 50/60 Hz (100% ON period)					
	70...190V 50/60Hz, DC (5s ON period)					
	210...240V 50/60 Hz (100% ON period)					
	190...330V 50/60Hz, DC (5s ON period)					
	350...415V 50/60 Hz (100% ON period)					
	330...500V 50/60Hz, DC (5s ON period)	3RV2902-1DV0#				

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

@ One auxiliary release can be mounted on the right side. (does not apply to 3RV11 motor starter protectors with overload relay function)

## Accessories for 3RV2 / 3RV1

### Fixing accessories

Type of accessory	Version	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Push-in lugs	For screwing the motor starter protector onto mounting plates. For each motor starter protector, 2 units are required.	For 3RV1: S00,S0	3RB1900-0B	30.-	(1pack = 10 pcs)
Push-in lugs		For 3RV2: S00,S0	3RV2928-0B	25.-	(1pack = 10 pcs)

### Enclosure With EMERGENCY STOP rotary operating mechanism, Lockable in 0 position

Degree of protection	Integrated terminals	Installation width (for switch + lateral auxiliary switch)	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
IP55	N and PE	54 mm	S00, S0	3RV1923-1FA00	2205.-	1
		82 mm	S2	3RV1933-1GA00	7180.-	1

# Accessories for 3RV2 / 3RV1

## Door-coupling rotary operating mechanism

Description	Size	Type	Unit LP ₹	Std. pkg. (nos.)
Door operating mechanism with door interlock, defeat facility, padlocking facility. Extension shaft 300mm (fixed coupler) Breaker operating kit & front drive for size	S00, S0	3RV19261B-Z®	3540.-	1
	S2	3RV19361B-Z®	3910.-	1
	S3\$	3RV19461B-Z®	5145.-	1
Front drive – fixed coupler (available as spare)	S00, S0, S2, S3	8UC626	1210.-	1

@ One set available with breaker operator kit and 8UC front drive together

# MRP

\$ To use door-operating mechanism, on 3RV2 - Size S3, the knob attachment on breaker must be disassembled.

## Busbar accessories

Type of accessory	Version	Conductor cross-section			For MPCB size	Type	Unit LP ₹	Std. pkg. (nos.)
		Solid or stranded	Finely stranded with end sleeve	AWG cable, solid or stranded				
		mm <sup>2</sup>	mm <sup>2</sup>	AWG				
3-phase Infeed terminals	Connection from top	2.5...25	2.5...16	10 ... 4	3RV2 S00, S0	3RV2925-5AB	1605.-	1
		2 x (2.5 ... 50) <sup>2)</sup>	2 x (2.5 ... 35) <sup>2)</sup>	2 x (10.. 1/0) <sup>2)</sup>	3RV2 S2	3RV2935-5A	1805.-	1
		1 x (2.5 ... 70) <sup>2)</sup>	1 x (2.5 ... 50) <sup>2)</sup>	1 x (10 ... 2/0) <sup>2)</sup>				
	Connection from bottom*	2.5...25	2.5...16	10 ... 4	3RV2 S00, S0	3RV2915-5B		1



\* This terminal is connected in place of a switch, please take the space requirement into account.

2) If two different conductor cross-sections are connected to one clamping point, both cross-sections must be in the range specified.



# Accessories for 3RV2 / 3RV1

## Busbar accessories

Type of accessory <sup>1)</sup>	Modular spacing mm	Number of MPCBs that can be connected			Current rating at 690V A	For MPCB size *	Type	Unit LP ₹	Std. pkg. (nos.)	
		Without lateral accessories	With lateral auxiliary switch	Incl. auxiliary release						
3-phase busbar system	45 <sup>3)</sup>	2	-	-	63	S00, S0	3RV1915-1AB	1355.-	1	
		3	-	-			S00, S0	3RV1915-1BB	1450.-	1
		4	-	-			S00, S0	3RV1915-1CB	2060.-	1
		5	-	-			S00, S0	3RV1915-1DB	2335.-	1
		-	2	-			S00, S0	3RV1915-2AB	1385.-	1
	55 <sup>4)</sup>	-	3	-		S00, S0	3RV1915-2BB	1450.-	1	
		-	4	-		S00, S0	3RV1915-2CB	1980.-	1	
		-	5	-		S00, S0	3RV1915-2DB	2335.-	1	
		2	-	-		108	S2	3RV1935-1A	2130.-	1
		3	-	-				3RV1935-1B	2675.-	1
	4	-	-	3RV1935-1C	3275.-			1		
	63 <sup>5)</sup>	-	-	2	63	S00, S0	3RV1915-3AB	1790.-	1	
		-	-	4			S00, S0	3RV1915-3CB	2345.-	1
	75 <sup>5)</sup>	-	2	2	108	S2	3RV1935-3A	3275.-	1	
		-	3	3			3RV1935-3B	3045.-	1	
-		4	4	3RV1935-3C			4305.-	1		
Covers for connection tags (Touch protection for empty positions)						S00, S0	3RV1915-6AB	220.-	10	
						S2	3RV1935-6A	395.-	5	



- 1) Not suitable for 3RV21 MPCBs with overload relay function
  - 3) Auxiliary releases and lateral auxiliary switches cannot be used in combination.
  - 4) For 3RV2 MPCB with auxiliary switches 2 NO and 2 NC mounted on the left (9 mm wide).
  - 5) For 3RV2 MPCB with mounted accessories (18 mm wide). Auxiliary switches with 2 NO + 2 NC or signaling switch (mounted on the left) or with auxiliary release (mounted on the right).
- \* Approved for motor starter protectors size S0 , up to 32 A.

## Mounting accessories

Type of accessory	Version	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Scale covers, for covering the set current scale		3RV20, 3RV21,3RV24: S00 ... S2	3RV2908-0P	120.-	10
Covers for devices with box terminals	2 units required per device (Main current level)	3RV2 S2	3RT2936-4EA2	220.-	1







## Continuing the Legacy..

### 3VS Motor Protection Circuit Breakers

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#### MPCBs for motor protection

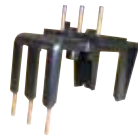
Overload release range A	Type (w/o aux. contact)	Unit LP ₹	Type (with 1NO+1NC)	Unit LP ₹	Std. pkg. (nos)
0.1 - 0.16	3VS1300-0MB00	3850.-	3VS1300-1MB00	4615.-	1
0.16 - 0.24	3VS1300-0MC00		3VS1300-1MC00		1
0.24 - 0.4	3VS1300-0MD00		3VS1300-1MD00		1
0.4 - 0.6	3VS1300-0ME00	4480.-	3VS1300-1ME00	5250.-	1
0.6 - 1	3VS1300-0MF00	4515.-	3VS1300-1MF00	5300.-	1
1 - 1.6	3VS1300-0MG00		3VS1300-1MG00	5350.-	1
1.6 - 2.4	3VS1300-0MH00		3VS1300-1MH00		1
2 - 3.2	3VS1300-0NH00	4725.-	3VS1300-1NH00	5400.-	1
2.4 - 4	3VS1300-0MJ00		3VS1300-1MJ00		1
3.2 - 5	3VS1300-0NJ00		3VS1300-1NJ00		1
4 - 6	3VS1300-0MK00	4770.-	3VS1300-1MK00	5455.-	1
5 - 8	3VS1300-0NK00		3VS1300-1NK00		1
6 - 10	3VS1300-0ML00		3VS1300-1ML00		5455.-
8 - 13	3VS1300-0NL00	5480.-	3VS1300-1NL00	6155.-	1
10 - 16	3VS1300-0MM00	5740.-	3VS1300-1MM00	6445.-	1
14 - 20	3VS1300-0MN00	5850.-	3VS1300-1MN00	6565.-	1
18 - 25	3VS1300-0MP00	6525.-	3VS1300-1MP00	7005.-	1
6 - 10	3VS1600-0ML00	10665.-	3VS1600-1ML00	12030.-	1
10 - 16	3VS1600-0MM00	10665.-	3VS1600-1MM00	12030.-	1
16 - 25	3VS1600-0MN00	11760.-	3VS1600-1MN00	13180.-	1
22 - 32	3VS1600-0MP00	12500.-	3VS1600-1MP00	13305.-	1
28 - 40	3VS1600-0MQ00	14045.-	3VS1600-1MQ00	14760.-	1
36 - 52	3VS1600-0MR00		3VS1600-1MR00		1

Accessories are common for 3VS & 3VU



## Accessories for 3VS/3VU

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
Add-on aux. block	1 NO + 1 NC	■ 3VU9131-3AA00	1115.-	1
Short-circuit signaling switch	1 NO + 1 NC	■ 3VU9131-7AA00	1285.-	1
Undervoltage release	230 V, 50 Hz	3VU9132-0AB15	3060.-	1
Shunt trip	230 V, 50 Hz 24 V, 50 Hz DC 110-240 V	3VU9132-0AB55	3030.-	1
		3VU9132-0AB50	3060.-	1
		3VU9132-0AB73	3060.-	1
Toggle padlocking device	Locking in Off pos	3VU9168-0KA00	825.-	1



## 3TF-3VS/3VU Connector\*\*

MPCB		Contactor		Type of Connector	Unit LP ₹	Std. pkg. (nos.)
Type	Current	Type Rating	AC3 Current Rating			
3VS13/ 3VU13	0.16 to 20A	3TF30 / 31	9 / 12 A	3TS9001-8K	365.-	1
3VS13/ 3VU13	6 to 25A	3TF32 / 33	16 / 22A	3TS9002-8K	430.-	1

\*\* For more details refer page no. 38

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
Three-phase busbar for 3VS13/3VU13 only	In feed terminal (63 A)	3VU9135-1BB01	1530.-	1
	busbars for 2 MPCBs	3VU9135-1AB02	1225.-	1
	busbars for 3 MPCBs	3VU9135-1AB03	1480.-	1
	busbars for 4 MPCBs	3VU9135-1AB04	1900.-	1
	busbars for 5 MPCBs	3VU9135-1AB05	2140.-	1
Door operating mechanism with door interlock, defeat facility, pad locking facility, extension shaft 300mm	Breaker operating kit & front drive (fixed coupler) for 3VS13/3VU13 for 3VS16/3VU16	■ 3VU9133-Z®	3175.-	1
		■ 3VU9163-Z®		3380.-
Front drive for 3VS & 3VU	Fixed coupler	■ 8UC616	1070.-#	1

@ 1 set available with breaker operator kit and 8UC front drive together

# MRP



■ Stock items

Please order in multiples of standard packing.

LP - List Price

# SIEMENS



## SIRIUS 3RW Soft Starters

As versatile as your application

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**Strong portfolio:**  
comprehensive, co-ordinated soft starter portfolio



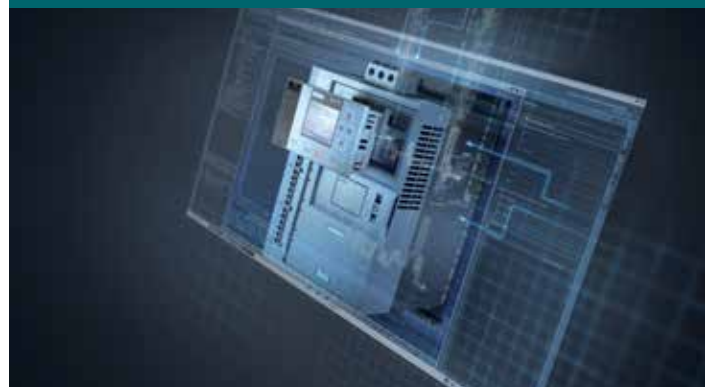
**Intelligent operation:**  
concentrated, application-specific functionality



**Efficient switching:**  
hybrid switching technology on board



**Ready for a digital future:**  
data available whenever and wherever needed



# Digital soft starters - SIRIUS 3RW30/40/50



- 3RW30**  
From 1.5 - 55 kW
- Compact design
  - Integrated bypass contact system
  - Soft start
  - Innovative 2-phase "Polarity Balancing" operation



- 3RW40**  
From 5.5 - 55 kW
- Soft start, soft stop, adjustable current limit.
  - Integrated bypass contact system
  - Integrated microprocessor based overload relay with adjustable trip class 10/15/20.
  - Intrinsic device protection to protect against thermal overloading of thyristors.
  - Integrated state and fault monitoring
  - Innovative 2-phase "Polarity Balancing" operation



**NEW**

- 3RW50**  
From 75 to 315 kW
- Soft starting and smooth ramp-down due to soft torque function
  - Hybrid-switching technology with 2-phase control
  - Parameterization via rotary coding switches
  - ATEX/IECEx certified – hence suitable for motors in potentially explosive atmosphere
  - Optional HMI modules and communication modules (external connection)
  - Optional TIA integration

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200-480	1.5	3.6/3.3/3	3RW3013-1BB\$4	14640.-	1
200-480	3	6.5/6/5.5	3RW3014-1BB\$4	16985.-	1
200-480	4	9/8/7	3RW3016-1BB\$4	19465.-	1
200-480	5.5	12.5/12/11	3RW3017-1BB\$4	23060.-	1
200-480	7.5	17.6/17/14	3RW3018-1BB\$4	27755.-	1
200-480	11	25.3/23/21	3RW3026-1BB\$4	30655.-	1
200-480	15	32.2/29/26	3RW3027-1BB\$4	40040.-	1
200-480	18.5	38/34/31	3RW3028-1BB\$4	49990.-	1
200-480	22	45/42/39	3RW3036-1BB\$4	54400.-	1
200-480	30	65/58/53	3RW3037-1BB\$4	74000.-	1
200-480	37	72/62.1/60	3RW3038-1BB\$4	91120.-	1
200-480	45	80/73/66	3RW3046-1BB\$4	102170.-	1
200-480	55	106/98/90	3RW3047-1BB\$4	113215.-	1

\$ Order No. supplement for rated control supply voltage U<sub>s</sub>      • 24 V AC/DC **0**      • 110 ... 230 V AC/DC **1**

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200...480	5.5	12.5 / 11 / 10	3RW4024-1BB\$4	40280.-	1
200...480	11	25 / 23 / 21	3RW4026-1BB\$4	49765.-	1
200...480	15	32 / 29 / 26	3RW4027-1BB\$4	61645.-	1
200...480	18.5	38 / 34 / 31	3RW4028-1BB\$4	75860.-	1
200...480	22	45 / 42 / 39	3RW4036-1BB\$4	86005.-	1
200...480	30	63 / 58 / 53	3RW4037-1BB\$4	101580.-	1
200...480	37	72 / 62 / 60	3RW4038-1BB\$4	115110.-	1
200...480	45	80 / 73 / 66	3RW4046-1BB\$4	129795.-	1
200...480	55	106 / 98 / 90	3RW4047-1BB\$4	144475.-	1

\$ Control Voltage Code:      • 24 V AC/DC **0**      • 110 ... 230 V AC/DC **1**

For ordering 3RW40 soft starters with thermistor protection in the above range:

- Add ₹ 10425.- to corresponding prices and
- Change the 9th digit in the type reference to 'T' from 'B'.

**NEW**

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C)	Type	Unit LP ₹	Std. pkg. (nos)
200 ... 480	75	143 / 128	3RW5055-6AB\$4	173180.-	1
200 ... 480	90	171 / 153	3RW5056-6AB\$4	213935.-	1
200 ... 480	110	210 / 186	3RW5072-6AB\$4	238270.-	1
200 ... 480	132	250 / 220	3RW5073-6AB\$4	244485.-	1
200 ... 480	160	315 / 279	3RW5074-6AB\$4	295435.-	1
200 ... 480	200	370 / 328	3RW5075-6AB\$4	325980.-	1
200 ... 480	250	470 / 416	3RW5076-6AB\$4	356545.-	1
200 ... 480	315	570 / 504	3RW5077-6AB\$4	381140.-	1

\$ Control Voltage Code:      • 24 V AC/DC **0**      • 110 ... 230 V AC/DC **1**

- For 3RW50 with operating voltage U<sub>e</sub> 200...600V AC: Change the last digit of MLFB from "4" to "5" and increase the standard operating voltage list price by 15%.
- For 3RW50 with thermistor motor protection change the 9th digit of MLFB from "A" to "T"









**Simple installation** ▶  
Thanks to push-in technology.

**Wide range of performance** ▶  
For motors up to 5.5 kW.

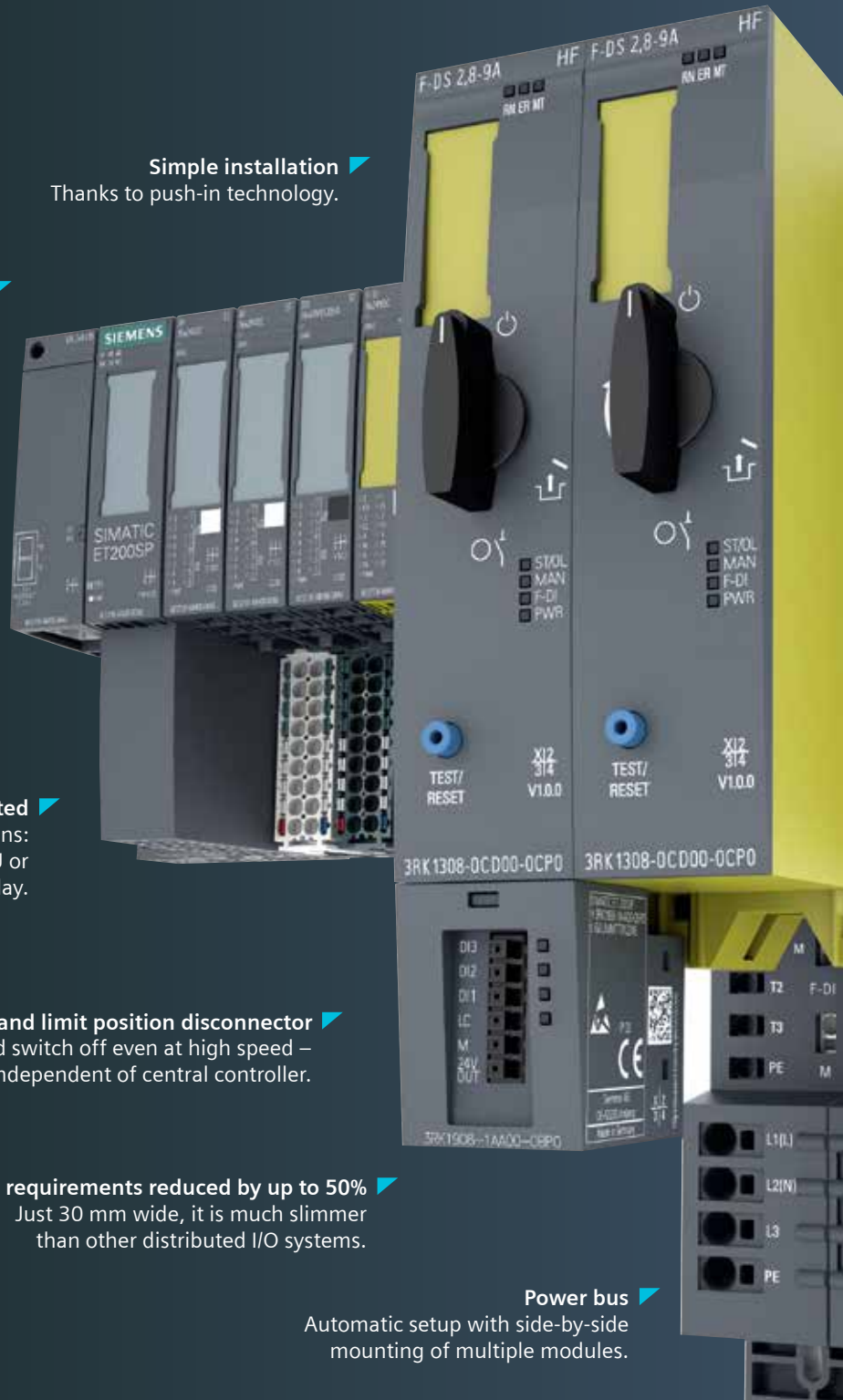
**Hybrid switching technology** ▶  
Durable and energy-saving, since  
relay contacts are  
not subject to loading.

**Safety Integrated** ▶  
Versatile safety solutions:  
shutdown via SIMATIC F-CPU or  
SIRIUS 3SK safety relay.

**Quick stop and limit position disconnect** ▶  
Load switch off even at high speed –  
independent of central controller.

**Space requirements reduced by up to 50%** ▶  
Just 30 mm wide, it is much slimmer  
than other distributed I/O systems.

**Power bus** ▶  
Automatic setup with side-by-side  
mounting of multiple modules.



# ET 200SP - Motor starters up to 5.5 kW

Compact & Intelligent

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**SIEMENS**

# SIEMENS



## Start-up with a small footprint – **SIRIUS 3RM1 Motor Starter**

Multifunctional with a width of just 22.5mm

[www.siemens.co.in](http://www.siemens.co.in)

### 3RM1 Compact Starters – DOL and RDOL

Rated operational voltage Ue	Description	Type	Unit LP ₹
48–500V	DOL, upto 0.12KW	3RM10011AA.4	27885.-
48–500V	DOL, 0.09 to 0.75KW	3RM10021AA.4	27885.-
48–500V	DOL, 0.55 to 3KW	3RM10071AA.4	27885.-
48–500V	RDOL, upto 0.12KW	3RM12011AA.4	30355.-
48–500V	RDOL, 0.09 to 0.75KW	3RM12021AA.4	30355.-
48–500V	RDOL, 0.55 to 3KW	3RM12071AA.4	30355.-

Control voltage code @50Hz:

• 24V AC/DC 0

• 110–230V AC, 110V DC 1

### Accessories

Description	Type	Unit LP ₹
3-phase busbar for 2 3RM1	3RM19101AA	Upon Request
3-phase busbar for 3 3RM1	3RM19101BA	Upon Request
3-phase busbar for 5 3RM1	3RM19101DA	Upon Request
CAP for busbar of 3RM1	3RM19106AA	Upon Request
3-PHASE FEED-IN TERMINAL 3RM1	3RM19201AA	Upon Request







# **Agriculture Starter** complying to latest standards

Automatic Star Delta Starters IEC 60947-4-1: 2012 Compliant

Direct-on-Line Starters ISI Marked-BIS Approved

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**

## Agriculture Starters

NEW



### DOL

Starter in S. S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>1)</sup> (DOL)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
0.33	0.25	3TW72911A.64	0.63-1	2915.-	1
0.75	0.55	3TW72911A.66	1-1.6		1
1	0.75	3TW72911A.68	1.6-2.5		1
1.5	1.1	3TW72911A.69	2-3.2		1
2	1.5	3TW72911A.71	3.2-5		1
3	2.2	3TW72911A.72	4-6.3		1
5	3.7	3TW72911A.74	6.3-10		1
-	-	3TW72911A.75	8-12.5		1
7.5	5.5	3TW72911A.77	10-16	3175.-	1
10	7.5	3TW72911A.78	12.5-20	3420.-	1

<sup>1)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

Extra MRP of ₹ 175 for RAJA+ DOL starters 3TW72931A... (0.33-5HP) with 18A contactor. 3TW72931A... are IEC 60947-4-1: 2012 compliant without ISI mark

### Star Delta

Automatic starter in S.S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>4)</sup> (ASD)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
10	7.5	3TE72910AW74	6.3-10	12760.-	1
12.5	9.3	3TE72910A.75	8-12.5	13385.-	1
15	11	3TE72910A.77	10-16	13740.-	1
20	15	3TE72910A.78	12.5-20	15520.-	1
25	18.5	3TE72910A.79	16-25	17810.-	1

<sup>4)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

## Industrial Starters

### DOL

DOL Starter in S.S.housing  
(without birelay - to be ordered separately)

Motor rating at 415V, 3ph, 50Hz		Type <sup>2)</sup> (DOL)	Birelay (recommended)	Unit LP ₹	Std. pkg. (nos.)
HP	kW				
15	11	3TW7493-2AR0*	3US5200-2C8K (16-25A)	7390.-	1
20	15	3TW7494-2A..	3US5600-2D8K (20-32A)	9080.-	1
25	18.5	3TW7495-2A..	3US5600-2Q8K (25-36A)	10370.-	1
30	22	3TW7496-2A..	3US5800-2F8K (32-50A)	12790.-	1
40	30	3TW7497-2A..	3US5800-2T8K (40-57A)	16310.-	1
50	37	3TW7498-2A..	3US5800-2V8K (57-70A)	21160.-	1
60	45	3TW7499-2A..	3US5800-8Y8K (70-95A)	23675.-	1
75	55	3TW7590-2A..	3US5800-5C8K (85-105A)	29665.-	1

\* Only coil voltage of 415V 50Hz available

<sup>2)</sup> Enter code for coil voltage, 50Hz ("R0" for 415V, "P0" for 230V)

† 3TE75 have in-built birelay whereas 3TE74 doesn't have in-built birelay

For selection and LPs of spares for Industrial Starter contact sales

### Star Delta

Automatic Star delta starter in S.S. housing  
(without birelay - to be ordered separately)

Motor rating at 415V, 3ph, 50Hz		Type <sup>2)</sup> (ASD)	Birelay (recommended)	Unit LP ₹	Std. pkg. (nos.)
HP	kW				
30	22	3TE7493-2A..	3US5600-2C8K (16-25 A)	26300.-	1
40	30	3TE7494-2A..	3US5600-2D8K (20-32 A)	27560.-	1
50	37	3TE7495-2A..	3US5600-2R8K (32-40 A)	38485.-	1
60	45	3TE7496-2A..	3US5800-2F8K (32-50 A)	54590.-	1
75	55	3TE7497-2A..	3US5800-2T8K (40-57 A)	66805.-	1
100	75	3TE7594-2AR0*†	3US58 00-8Y8K ( 70-95A)†	95070.-	1
125	90	3TE7595-2AR0*†	3US58 00-8Y8K ( 70-95A)†	97875.-	1
150	110	3TE7596-2AR0*†	3US58 00-5D8K (95-120A)†	99265.-	1
180	132	3TE7597-2AR0*†	3US62 20-5B8K (115-180A)†	106255.-	1



Siemens switchgear. Tried, tested, trusted.

## Spares for starters

### Spares for 3TW7 Starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Contactora for 200-400V	3TS3010-0AZ608KA0	1295.-	1
Contactora for 200-400V	3TS3210-0AZ608KA0	1690.-	1
Contactora for 415V	3TS3010-0AR008KA0	1295.-	1
Contactora for 415V	3TS3210-0AR008KA0	1690.-	1
Relay	3UW5102-##	2020.-	1
Coil for 200-400V	3TY7403-0AZ6	885.-	10
Coil for 415V	3TY7403-0AR0	840.-	10

The spares shall be used with starters only.

# Contact Sales

### Code for 3UW51/52 relay range

Relay range	0.63-1	1-1.6	1.6-2.5	2-3.2	3.2-5	4-6.3	6.3-10	8-12.5	10-16	12.5-20	16-25
Code	0J	1A	1C	1D	1F	1G	1J	1K	2A	2B	2C

### Spares for 3TE7 Starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Contactora for 200-400V	3TS3010-0AZ608K	1225.-	1
Contactora for 415V	3TS3010-0AR008K	1225.-	1
Contactora for 200-400V	3TS3210-0AZ608K	1610.-	1
Contactora for 415V	3TS3210-0AR008K	1505.-	1
Contactora for 200-400V	3TS3300-0AZ608K	2150.-	1
Contactora for 415V	3TS3300-0AR008K	1940.-	1
Relay	3UW5102-##	2020.-	1
Relay	3UW5202##	2265.-	1
Coil for 200-400V	3TY7403-0AZ6	885.-	10
Coil for 415V	3TY7403-0AR0	840.-	10

## Water level controller



Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Water level controller relay	110-240V AC/DC Single tank (suction or filling) or dual tank (suction and filling) monitoring	7UG0885-1JU20	2040.- 1
Sensor for water level controller relay	Pack of 3 sensor	7UG0985-0YY00	610.- 1



MRP - Maximum Retail Price



## Electronic timers - 3RP



Function	Time range	Input voltage		Type	Unit LP ₹	Std. pkg (nos.).
		AC (50/60Hz)	DC			
On-delay with 1C/O contacts	0.5 – 10 sec	24/100-127	24	<ul style="list-style-type: none"> <li>■ 3RP1511-1AQ308K</li> <li>■ 3RP1511-1AP308K</li> </ul>	2530.-	1
		24/200-240	24			
	5 – 100 sec	24/100-127	24	<ul style="list-style-type: none"> <li>■ 3RP1513-1AQ308K</li> <li>■ 3RP1513-1AP308K</li> </ul>	2540.-	1
		24/200-240	24			
0.05 sec to 100 Hrs. (15 time setting ranges)	24/100-127	24	24	<ul style="list-style-type: none"> <li>■ 3RP1525-1AQ308K</li> <li>■ 3RP1525-1AP308K</li> </ul>	3730.-	1
Off-delay with 1C/O contacts	0.5 – 10 sec	24/100-127	24	<ul style="list-style-type: none"> <li>■ 3RP1531-1AQ308K</li> <li>■ 3RP1531-1AP308K</li> </ul>	3360.-	1
		24/200-240	24			
5 – 100 sec	24/100-127	24	<ul style="list-style-type: none"> <li>■ 3RP1533-1AQ308K</li> <li>■ 3RP1533-1AP308K</li> </ul>	3410.-	1	
	24/200-240	24				
Multi-function with 1C/O contacts	0.05 sec to 100 Hrs. (15 time setting ranges)	24 - 240		<ul style="list-style-type: none"> <li>■ 3RP1505-1AW308K</li> </ul>	5190.-	1
		Label set - 8 functions (On delay, Off delay, On+Off delay, flashing, pulse make contact, pulse break contact, pulse shaping and additive ON delay)				
Star-Delta 1NO inst & 1NO delayed	1 – 20 sec	200-240 / 380-440V AC		3RP1574-1NM208K	2560.-	1
	3 – 60 sec	24/100-127	24	<ul style="list-style-type: none"> <li>■ 3RP1576-1NQ308K</li> </ul>	2620.-	1
		24/200-240	24	<ul style="list-style-type: none"> <li>■ 3RP1576-1NP308K</li> </ul>	2620.-	1
		200-240/380-440V AC		<ul style="list-style-type: none"> <li>■ 3RP1576-1NM208K</li> </ul>	2700.-@	1
	230-400V AC		<ul style="list-style-type: none"> <li>■ 3RP1576-1NP208K</li> </ul>	2700.-@	1	
Push-in lug (for mounting 3RP timer with screws)				3RP19038K (1 pack = 10 pcs)	220.-	1 pack

# with 2C/O contacts      \$ Price per pack      \* 1 pack consists of 1 label set

For 7PV0 timer portfolio refer page no. 71

@ Prices mentioned are at MRP

## 3RR2 Current monitoring relays

The relays can be installed as a stand-alone unit using the suitable terminal bracket.



### Screw Terminals

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Supply voltage	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>Basic Version</b>					
S00	1.6...16	24V AC/DC	3RR2141-1AA30	13755.-	1
	1.6...16	24...240V AC/DC	3RR2141-1AW30	14975.-	1
S0	4 ... 40	24V AC/DC	3RR2142-1AA30	17305.-	1
	4 ... 40	24...240V AC/DC	3RR2142-1AW30	18495.-	1

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Supply voltage	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>Standard Version</b>					
S00	1.6...16	24V AC/DC	3RR2241-1FA30	28055.-	1
	1.6...16	24...240V AC/DC	3RR2241-1FW30	30565.-	1
S0	4 ... 40	24V AC/DC	3RR2242-1FA30	33075.-	1
	4 ... 40	24...240V AC/DC	3RR2242-1FW30	35070.-	1

For ordering terminal bracket for stand alone installation please refer page no. 47

\*For ordering current monitoring relay 3RR with spring type terminals, please replace 8th digit from '1' to '2'

## Line monitoring relays - 3UG

Phase Sequence	Phase Failure	Phase Imbalance	Under Voltage	Over Voltage	Delay times	Display	Contacts	Line Supply Voltage	Type	Unit LP ₹	Std. pkg. (nos.)
Yes	Yes	10%	-	-	-	-	1 CO	160-690V	3UG4512-1AR20	12850.-	1
Yes	Yes	20%	160-690V	-	Off delay 0.1-20 s	-	2 CO	160-690V	3UG4513-1BR20	17200.-	1
Yes	Yes	Yes	160-690V	160-690V	Off delay 0.1-20 s	Yes	2 CO	160-690V	3UG4615-1CR20	24940.-	1

## 3UG Monitoring Relays for Electrical and Additional Measurements

Hysteresis	Function	Version of Auxiliary Contacts	Control supply voltage $U_s^{1)}$	Type	Unit LP ₹	Std. pkg. (nos.)
		CO	V AC			
--	Phase Sequence Monitoring 3 Phase	1	360...520	3UG4511-1AP20	12895.-	1
		2		3UG4511-1BP20	14570.-	1
--	Monitoring of phase sequence, phase failure and phase unbalance	2	160...690	3UG4512-1BR20	16500.-	1
Adjustable 1-20V	Digital Monitoring Relay, phase sequence, phase & N conductor failure (90...400 w.r.t. N), overvoltage and undervoltage (Tripping delay 1-20) <sup>2)</sup>	2 <sup>2)</sup>	90...400 w.r.t. N	3UG4616-1CR20	28915.-	1
p.f. 0.1 & active current $I_{res}$ 0.1...2.0A	Digital Power factor and active current monitoring (p.f. range 0.1 to 0.99 & active current $I_{res}$ 0.2-10A) ON-delay 0-99s, OFF-delay 0.1-20s)	2	90...690	3UG4641-1CS20	28915.-	1
0.1...150V	Digital Voltage Monitoring Relay range 17 to 275V AC/DC spikedelay 0.1 to 20 sec	1	Self Powered	3UG4633-1AL30	22115.-	1
0.1...300V	Digital Voltage Monitoring Relay range 10...600V AC/DC, Delay 0.1...20sec	1	24...240V AC/DC	3UG4632-1AW30	23580.-	1
--	#Level Monitoring Relay sensitivity 2K $\Omega$ to 200K $\Omega$ . Tripping delay 0.1...10sec	1	24...240V AC/DC	3UG4501-1AW30	15710.-	1
--	#Wire electrode for Level Monitoring Relay, 500 MM long, with teflon insulation			3UG3207-3A	20260.-	1

1) Absolute limit values

2) 1 CO Contact each and 1 tripping delay time each for  $U_{min}$  and  $U_{max}$ .

3) LSB: Smallest adjustable value, transformer-dependent,  $\leq 1\%$  of  $I_{\Delta n}$ .

# Level monitoring relays must be ordered along with electrodes, for different level controls variety of electrodes are available, for more details refer IC10.

## Thermistor motor protection relay - 3RN2

Type of Thermistor	Reset	Contacts	Control Supply voltage	Type	Unit LP ₹	Std. pkg. (nos.)
PTC type A	Auto	1CO	24V-240V AC/DC	3RN2000-1AW30	7955.-	1

## Insulation monitoring relay -3UG

Measuring Range $U_e$ kV	Function	Rated control supply voltage $U_s$ V	Type	Unit LP ₹	Std. pkg. (nos.)
1-110	Insulation monitors for ungrounded AC networks	24-240 AC/DC	3UG4581-1AW31	38640.-	1
		0 ... 250 AC	3UG4582-1AW31	42580.-	1
1-110	Insulation monitors for ungrounded DC & AC networks	0 ... 400 AC, 0 ... 600 DC <sup>1)</sup>	3UG4583-1CW31	71350.-	1
	Voltage reducer modules	Extending the mains voltage range to max. 690 V AC and 1000 V DC	3UG4983-1AA01	44995.-	1
	Sealable, transparent covers	For 3UG45 81, 3UG45 82	3UG4981-0C	2040.-	1
		For 3UG45 83	3UG4983-0C	2085.-	1

1) With 3UG4983-1AA01 voltage reducer module suitable also for the insulation monitoring of IT networks up to 690 V AC and 1000 V DC.

# Timing and Monitoring Relays



## Features and Benefits

- Two sizes for the entire range 17.5mm & 35mm width
- The entire range is suitable for DIN rail mounting
- Variant with digital display
- Auto / Manual reset



for more info  
scan QR code



Relay	MLFB	Neutral loss protection	Phase failure protection	Imbalance protection	Phase reversal protection	Under voltage protection	Over voltage protection	Under freq protection	Over freq protection	Other parameters
Line monitoring relay	7UG0 712		✓	✓	✓					
	7UG0 818		✓	✓	✓	✓	✓	✓	✓	
Voltage Monitoring relay	7UG0 753		✓		✓	✓	✓			
Current Monitoring relay	7UG0 82		✓	✓						Under-current and over-current protection
	7UG0 83		✓	✓						Under-current and over-current protection
Earth leakage relay	7UG0 84									Earth leakage protection
Earth fault monitoring relay	7UG0 86									Earth fault protection
Temperature controller (TC)	7UG0 48									Monitors temperature, input sensor TC/RTD
Water level controller relay	7UG08 85									Monitors and controls liquid level (conductive)
Thermistor protection relay	7UG08 81									Sensor input: Positive coefficient thermistor (PTC)
Speed monitoring relay	7UG05 83									Over/under speed protection

## 7UG0 monitoring relays

Description		Type	Unit LP ₹	Std. pkg. (nos.)
Line monitoring relay	Self powered 3Ph-3W	7UG0712-1AA20	1460.-	1
	Self powered 3Ph-3W, 3Ph-4W	7UG0818-1CA20	3135.-	1
Voltage Monitoring relay	Self powered 3Ph-3W	7UG0753-1AA20	2490.-	1
Current Monitoring relay	110 V AC 1Ph-2W	7UG0821-1AB20	4045.-	1
	230 V AC 1Ph-2W	7UG0822-1AD20	3855.-	1
	110 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0831-1AB20	4925.-	1
	230 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0832-1AD20	4690.-	1
Earth leakage relay	110 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0841-1CB20	5200.-	1
	230 V AC 1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0842-1CD20	5250.-	1
CBCT for ELR	35mm	7UG09-96	1895.-	1
	70mm	7UG09-97	2160.-	1
	120mm	7UG09-99	3680.-	1
	210mm	7UG0 994*	7085.-	1
	310mm	7UG0 995*	10555.-	1
Earth Fault monitoring relay	1 Ph-2W, 3Ph-3W, 3Ph-4W	7UG0861-1BU20	5375.-	1
CBCT for EFR: 160 frame	Core Balance CT 160 frame, 3P	7UG09910	1855.-	1
	Core Balance CT 160 frame, 4P	7UG09911	2115.-	1
CBCT for EFR: 250 frame	Core Balance CT 250 frame, 3P	7UG09912	2240.-	1
	Core Balance CT 250 frame, 4P	7UG09913	2640.-	1
CBCT for EFR: 630 frame	Core Balance CT 630 frame, 3P	7UG09914	3300.-	1
	Core Balance CT 630 frame, 4P	7UG09915	3570.-	1
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display	7UG0571-1FT20	20590.-	1
	12 Stage with LCD display	7UG0572-1GT20	22050.-	1
	12 stage with LED display	7UG0572-1GT21	12610.-	1
Temperature controlling relay	PID/ON-OFF Control suitable for PTC/RTD inputs CO + SSR output	7UG0 480-1IU20	3940.-	1
Water level controller relay	110-240V AC/DC Single tank (suction or filling) or dual tank (suction and filling) monitoring	7UG0885-1JU20	Refer page no. 68	1
Sensor for water level controller relay	Pack of 3 sensor	7UG0985-0YY00		1
Thermistor protection relay	110-240V AC/DC	7UG0881-1BU20	2375.-	1
Speed monitoring relay	110-240V AC/DC	7UG0583-1CU20	7145.-	1

## 7PV0 timers

Description		Type	Unit LP ₹	Std. pkg. (nos.)
ON delay timer	230V AC	7PV0712-1AD20	1445.-	1
Multifunction timer with digital display	20-240V AC/DC	7PV0732-1AV20	2830.-	1
Multifunction timer - analog	20-240V AC / 12--240V DC	7PV0723-1AZ20	1895.-	1

Note: \* Non RoHS and CE

# Plug-in-relay - 7RQ



## Features and Benefits

- LED status indicator as a standard feature - allows personnel to see the relay status in dark conditions
- Mechanical indicators - allow personnel to see relay status under normal light or bright conditions
- Easy grip cover - adds to the ease of removing the relay from the socket
- Removable I.D. (identification) label- allows for easy identification
- Wide operating voltage range
- DIN rail / PCB mounting – Quick & Easy Installation



Relay	Standard Features	Control supply voltage* (V)	Type	Unit LP ₹	Std. pkg. (nos.)
<b>1CO</b>					
	6A 5 pin	DC	24	7RQ0100-0AC00	310.- 10
			48	7RQ0100-0AD00	415.- 10
			110	7RQ0100-0AE00	565.- 10
	• Mechanical Flag • LED indicator • Free wheeling diode	AC	24	7RQ0100-0AM10	380.- 10
			48	7RQ0100-0AN10	565.- 10
			110	7RQ0100-0AP10	590.- 10
230	7RQ0100-0AR10	605.- 10			
<b>2CO</b>					
	6A 8 pin	DC	24	7RQ0100-0BC00	435.- 10
			48	7RQ0100-0BD00	520.- 10
			110	7RQ0100-0BE00	555.- 10
	• Mechanical Flag • LED indicator • Free wheeling diode	AC	24	7RQ0100-0BM10	505.- 10
			48	7RQ0100-0BN10	555.- 10
			110	7RQ0100-0BP10	570.- 10
230	7RQ0100-0BR10	580.- 10			
<b>2CO</b>					
	10A 8 pin	DC	24	7RQ0110-0BC00	555.- 10
			48	7RQ0110-0BD00	685.- 10
			110	7RQ0110-0BE00	735.- 10
	• LED indicator	AC	24	7RQ0110-0BM00	665.- 10
			48	7RQ0110-0BN00	750.- 10
			110	7RQ0110-0BP00	735.- 10
230	7RQ0110-0BR00	770.- 10			
<b>3CO</b>					
	10A 11 pin	DC	24	7RQ0100-0CC00	710.- 10
			48	7RQ0100-0CD00	750.- 10
			110	7RQ0100-0CE00	870.- 10
	• LED indicator	AC	24	7RQ0100-0CM00	760.- 10
			48	7RQ0100-0CN00	795.- 10
			110	7RQ0100-0CP00	855.- 10
230	7RQ0100-0CR00	870.- 10			
<b>4CO</b>					
	5A 14 pin	DC	24	7RQ0100-0DC00	655.- 10
			48	7RQ0100-0DD00	690.- 10
			110	7RQ0100-0DE00	780.- 10
	• LED indicator	AC	24	7RQ0100-0DM00	685.- 10
			48	7RQ0100-0DN00	700.- 10
			110	7RQ0100-0DP00	760.- 10
230	7RQ0100-0DR00	770.- 10			

Socket	Standard Features	Type	Unit LP ₹	Std. pkg. (nos.)
<b>1CO</b>				
	PCB mounted	7RQ0202-1AX00	105.-	10
	Din rail mounting	7RQ0201-1AX00	190.-	10
<b>2CO</b>				
	PCB mounted	7RQ0202-1BX00	105.-	10
	Din rail mounting	7RQ0201-1BX00	245.-	10
<b>2CO</b>				
	PCB mounted	7RQ0212-1BX00	125.-	10
	Din rail mounting	7RQ0211-1BX00	315.-	10
<b>3CO</b>				
	Din rail mounting	7RQ0201-1CX00	435.-	10
<b>4CO</b>				
	PCB mounted	7RQ0202-1DX00	170.-	10
	Din rail mounting	7RQ0201-1DX00	300.-	10

\* Control supply voltage available upon request: DC: 6V, 12 & AC: 6V, 12V, 115V



# SIRIUS ACT

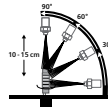
Performance in action

[www.siemens.com/SIRIUS-Act](http://www.siemens.com/SIRIUS-Act)

**SIEMENS**



# An overview of the variety



## SIRIUS ACT products with standard IP69k.

IP69k is the highest achievable rating and guarantees totally protection against dust, as well as high pressure, high temperature jets of water from multiple directions.

### Body design lines and button colors



Black plastic,  
22 mm Ø

Shiny metal,  
22 mm Ø



### Push buttons

Push button mom. cont./latching	Push button raised	Push button raised front ring	Push button extended stroke	Sensor switch
Stop button	Mushroom push button, mom. contact/latching, pull to unlatch	Twin push button	Mushroom push button, mom. contact/latching	

### Emergency stop

Mushroom push button w. mech. position indicator	Mushroom push button, rot. to unl. 30, 40, 60 mm
Mushroom push button, illuminated	Mushroom push button, with lock release key

### Selector switches

Rotary knob, 4 positions	Potentiometer	Toggle switch	Selector, short handle	Selector, long handle	Coordinate switch

### Key-operated switches

ID key-operated switch	CES, BKS	O.M.R.	RONIS

### Indicators

Indicator light, dual LED	Acoustic signaling device

### Accessories

Protective collar	Label holder	PCB holder	Protective cap
Locking device	Sealing plug	Backing plate	

### Enclosures

Palm push button	Enclosure 1, 2, 3, 4, 6 command points

# A small selection of high demand models

NEW

Description	Plastic			Metal			Colour
		Type	Unit LP ₹		Type	Unit LP ₹	
Pushbutton, 22 mm, round, flat momentary contact type		3SU1000-0AB_0-0AA0 ↑ Colour	740.-		3SU1050-0AB_0-0AA0 ↑ Colour	960.-	1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear 8 ○ Gray
Illuminated pushbutton, 22 mm, round, flat momentary contact type		3SU1001-0AB_0-0AA0 ↑ Colour	1030.-		3SU1051-0AB_0-0AA0 ↑ Colour	1165.-	0 ● Amber 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear
Selector switch, 2 Position, illuminable, 22 mm, round, plastic, O-I, latching, actuating angle 90°, 10:30h/13:30h		3SU1002-2BF_0-0AA0 ↑ Colour	1605.-		3SU1052-2BF_0-0AA0 ↑ Colour	1790.-	1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White
Selector switch, 3 position, illuminable, 22 mm, round switch positions I-O-II, latching, actuating angle 2x45°, 10:30h/12h/13:30h		3SU1002-2BL_0-0AA0 ↑ Colour	1605.-		3SU1052-2BL_0-0AA0 ↑ Colour	1790.-	1 ● Black 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White
RONIS key-operated switch, 2 switch positions O-I, latching, actuating angle 90°		3SU1000-4BF01-0AA0	3920.-		3SU1050-4BF01-0AA0	4260.-	
RONIS key-operated switch, 3 switch positions I-O-II, latching, actuating angle 2x45°		3SU1000-4BL01-0AA0	4140.-		3SU1050-4BL01-0AA0	4490.-	
EMERGENCY STOP mushroom pushbutton, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch		3SU1000-1HB20-0AA0	3120.-		3SU1050-1HB20-0AA0	3425.-	
EMERGENCY STOP mushroom pushbutton, illuminable, 22 mm, round, red, 40 mm, positive latching, rotate-to-unlatch		3SU1001-1HB20-0AA0	3270.-		3SU1051-1HB20-0AA0	3805.-	
Twin pushbutton, 22 mm, round, green: I, red: O, pushbuttons, flat and raised		3SU1000-3BB42-0AK0	1670.-		3SU1050-3BB42-0AK0	2025.-	
Indicator lights, 22 mm, round, lens, smooth		3SU1001-6AA_0-0AA0 ↑ Colour	605.-		3SU1051-6AA_0-0AA0 ↑ Colour	700.-	0 ● Amber 2 ● Red 3 ● Yellow 4 ● Green 5 ● Blue 6 ○ White 7 ○ Clear

⊕							
Description		Type	Unit LP ₹		Type	Unit LP ₹	
Holder to be selected along with individual Actuating and Signaling Elements		Plastic Holder 3SU1500-0AA10-0AA0*	330.-		Universal Holder - Suitable for Plastic and Metal 3SU1550-0AA10-0AA0*	360.-	

Description		Type	Unit LP ₹
Contact Modules		3SU1400-1AA10-1BA0*	750.-
	1NC	3SU1400-1AA10-1CA0*	750.-
	1NO+1NC	3SU1400-1AA10-1FA0	1255.-
	2NO	3SU1400-1AA10-1DA0	1730.-
	2NC	3SU1400-1AA10-1EA0	1730.-

Description		Type	Unit LP ₹	Colour
LED Modules		3SU1401-1BB_0-1AA0 *	1165.-	0 ● Amber
	24V AC/DC	3SU1401-1BC_0-1AA0	2065.-	2 ● Red
	110V AC	3SU1401-1BF_0-1AA0	2065.-	3 ● Yellow
	230V AC	3SU1401-1BG_0-1AA0	1405.-	4 ● Green
	6 ... 24 V AC/DC	3SU1401-1BH_0-1AA0	2495.-	5 ● Blue
	24 ... 240V AC/DC	3SU1401-1BH_0-1AA0 ↑ Colour		○ White

\* MOQ - 5



# SIRIUS ACT

Innovative Technology...  
Simple Installations...

**NEW**







## SIRIUS ACT with PROFINET

SIRIUS ACT with PROFINET connects pushbuttons and indicator lights directly via PROFINET to the controller and HMI devices – including with safety functions

Description		Type	Unit LP ₹				
<b>Push Button and Signaling Devices</b>							
Multiple version available		3SU10_-----	Refer Page no. 75				
Holder to be selected along with individual Actuating and Signaling Elements	Plastic	3SU1500-0AA10-0AA0	330.-				
	Universal	3SU1550-0AA10-0AA0	360.-				
<b>Profinet Interface Modules</b>							
Standard IM, 24 V DC 1 ... 20 terminal modules can be connected		3SU1400-1LK10-1AA1	37145.-				
		Fail Safe IM F, 24 V DC 1 ... 20 terminal modules can be connected	3SU1400-1LL10-1BA1	57995.-			
<b>Profinet Terminal Modules</b>							
				2 Contacts	2 Contacts with LED	LED	Colour
With 2 contacts		3SU1400-1MA10-1BA1	5680.-				0  Amber
With 2 contacts and integrated LED		3SU1401-1MC_0-1CA1 ↑ Colour	5940.-				2  Red
		3SU1401-1ME_0-1DA1 ↑ Colour	5495.-				3  Yellow
With integrated LED							4  Green
							5  Blue
							6  White
<b>Accessories</b>							
Flat Ribbon Cable, 7-core		3SU1900-0KQ80-0AA0	800.-				

## Modern Access Management

ID Key Operated Switches - Groups of employees or individuals can be authenticated by means of the ID key-operated switch. Color-coded keys for easy distinction between users.

Description		Type	Unit LP ₹	Description		Type	Unit LP ₹	
<b>ID Key operated switches</b>				<b>Electronic Modules</b>				
ID key-operated switches Number of switching positions: 4 Switch position for key removal: Key removal possible in all 4 positions		Plastic, black	3SU1000-4WS10-0AA0	8420.-	Electronic modules for ID key-operated switches		3SU1400-1GC10-1AA0	24325.-
Holder Holder needs to be selected along with individual Actuating and Signaling Elements	Plastic		3SU1500-0AA10-0AA0	330.-	<b>ID Keys</b>			
					Green: ID Group 1		3SU1900-0FV40-0AA0	1575.-
					Yellow: ID Group 2		3SU1900-0FW30-0AA0	
					Red: ID Group 3		3SU1900-0FX20-0AA0	
					Blue: ID Group 4		3SU1900-0FY50-0AA0	

## 8WN - 70mm Modular unit IP 65

### Continuous light

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN4420-5AB00	Red	24 V AC/DC	3145.-	1
8WN4420-5AC00	Green			1
8WN4420-5AD00	Yellow			1
8WN4420-5AE00	White			1
8WN4420-5AF00	Blue			1
8WN4440-5AB00	Red	110 V AC/DC	2905.-	1
8WN4440-5AC00	Green			1
8WN4440-5AD00	Yellow			1
8WN4440-5AE00	White			1
8WN4440-5AF00	Blue			1
8WN4450-5AB00	Red	220 V AC	2905.-	1
8WN4450-5AC00	Green			1
8WN4450-5AD00	Yellow			1
8WN4450-5AE00	White			1
8WN4450-5AF00	Blue			1

### Blinking light

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN4420-5BB00	Red	24 V AC/DC	3410.-	1
8WN4420-5BC00	Green			1
8WN4420-5BD00	Yellow			1
8WN4420-5BE00	White			1
8WN4420-5BF00	Blue			1
8WN4440-5BB00	Red	110 V AC/DC	3410.-	1
8WN4440-5BC00	Green			1
8WN4440-5BD00	Yellow			1
8WN4440-5BE00	White			1
8WN4440-5BF00	Blue			1
8WN4450-5BB00	Red	220 V AC	3410.-	1
8WN4450-5BC00	Green			1
8WN4450-5BD00	Yellow			1
8WN4450-5BE00	White			1
8WN4450-5BF00	Blue			1



### Accessories for 70mm LED modular unit

Type	Description	Unit LP* ₹	Std. pkg. (nos.)
8WN4408-0AF00	Connection components, Screw terminals	970.-	1
8WN4408-0AG00	Caps for light elements	100.-	1
8WN4408-0DH00	Feet with pipes, single; Length 60mm	165.-	1
8WN4408-0DJ00	Feet with pipes, single; Length 80mm	205.-	1
8WN4408-0DA00	Feet with pipes, single; Length 110mm	225.-	1
8WN4408-0CC00	Brackets for side mounting, use together with foot with pipe	205.-	1

Type	Description	Unit LP* ₹	Std. pkg. (nos.)
8WN4408-0CF00	Brackets for side mounting,	770.-	1
8WN4408-0CG00	Fold-out support	370.-	1
8WN4420-0GA00	24 V AC/DC, continuous buzzer	2270.-	1
8WN4420-0HA00	24 V AC/DC, discontinuous buzzer	2650.-	1
8WN4440-0GA00	110 V AC/DC, continuous buzzer	2270.-	1
8WN4440-0HA00	110 V AC/DC, discontinuous buzzer	2650.-	1
8WN4450-0GA00	220 V AC, continuous buzzer	2270.-	1
8WN4450-0HA00	220 V AC, discontinuous buzzer	2650.-	1

## 8WN - 50mm Preassembled unit IP 20

### Continuous light without buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2221-6AB00	R	24V AC/DC	2905.-	1
8WN2222-6AG00	R, G		4185.-	1
8WN2223-6AJ00	R, Y, G		5435.-	1
8WN2241-6AB00	R	110 V AC/DC	2905.-	1
8WN2242-6AG00	R, G		4185.-	1
8WN2243-6AJ00	R, Y, G		5435.-	1
8WN2251-6AB00	R	220 V AC	2905.-	1
8WN2252-6AG00	R, G		4185.-	1
8WN2253-6AJ00	R, Y, G		5435.-	1

### Continuous light with continuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6JB00	R	24V AC/DC	3410.-	1
8WN2223-6JG00	R, G		4680.-	1
8WN2224-6JJ00	R, Y, G		5940.-	1
8WN2242-6JB00	R	110 V AC/DC	3410.-	1
8WN2243-6JG00	R, G		4680.-	1
8WN2244-6JJ00	R, Y, G		5940.-	1
8WN2252-6JB00	R	220 V AC	3410.-	1
8WN2253-6JG00	R, G		4680.-	1
8WN2254-6JJ00	R, Y, G		5940.-	1

### Blinking light without buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2221-6BB00	R	24V AC/DC	3410.-	1
8WN2222-6BG00	R, G		4680.-	1
8WN2223-6BJ00	R, Y, G		5940.-	1

### Blinking light with continuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6MB00	R	24V AC/DC	3790.-	1
8WN2223-6MG00	R, G		5050.-	1
8WN2224-6MJ00	R, Y, G		6315.-	1

### Continuous light with discontinuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6KB00	R	24V AC/DC	3790.-	1
8WN2223-6KG00	R, G		5050.-	1
8WN2224-6KJ00	R, Y, G		6315.-	1
8WN2242-6KB00	R	110 V AC/DC	3790.-	1
8WN2243-6KG00	R, G		5050.-	1
8WN2244-6KJ00	R, Y, G		6315.-	1
8WN2252-6KB00	R	220 V AC	3790.-	1
8WN2253-6KG00	R, G		5050.-	1
8WN2254-6KJ00	R, Y, G		6315.-	1








### Blinking light with discontinuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6NB00	R	24V AC/DC	4185.-	1
8WN2223-6NG00	R, G		5435.-	1
8WN2224-6NJ00	R, Y, G		6690.-	1




# Indicating Lamps 3SB5

## Compact LED indicating lamps

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)		
	24 V AC/DC 50/60 Hz	Red	3SB5285-6HC01	330.-	10		
		Green	3SB5285-6HE01		10		
		Amber	3SB5285-6HL01		10		
			30V DC ®	Blue	3SB5285-6HF01	835.-	10
				White	3SB5285-6HG01	330.-	10
				Yellow	3SB5285-6HD01		10
				Clear	3SB5285-6HH01	10	
Red	3SB5285-6HC13			370.-	10		
Green	3SB5285-6HE13				10		
Amber	3SB5285-6HL13				10		
	110 V AC 50/60 Hz	Blue	3SB5285-6HF13	955.-	10		
		White	3SB5285-6HG13	370.-	10		
		Yellow	3SB5285-6HD13		10		
		Clear	3SB5285-6HH13	10			
		Red	3SB5285-6HC02	330.-	10		
		Green	3SB5285-6HE02		10		
		Amber	3SB5285-6HL02		10		
	110 V DC®	Blue	3SB5285-6HF02	835.-	10		
		White	3SB5285-6HG02	330.-	10		
		Yellow	3SB5285-6HD02		10		
		Clear	3SB5285-6HH02	10			
		Red	3SB5285-6HC04	370.-	10		
		Green	3SB5285-6HE04		10		
		Amber	3SB5285-6HL04		10		
	220/240 V AC 50/60 Hz	Blue	3SB5285-6HF04	955.-	10		
		White	3SB5285-6HG04	370.-	10		
		Yellow	3SB5285-6HD04		10		
		Clear	3SB5285-6HH04	10			
		Red	3SB5285-6HC03	330.-	10		
		Green	3SB5285-6HE03		10		
		Amber	3SB5285-6HL03		10		
	220 V DC®	Blue	3SB5285-6HF03	835.-	10		
		White	3SB5285-6HG03	330.-	10		
		Yellow	3SB5285-6HD03		10		
		Clear	3SB5285-6HH03	10			
		Red	3SB5285-6HC05	370.-	10		
		Green	3SB5285-6HE05		10		
		Amber	3SB5285-6HL05		10		
	24 to 240 V AC & 24 to 220 V DC	Blue	3SB5285-6HF05	955.-	10		
		White	3SB5285-6HG05	370.-	10		
		Yellow	3SB5285-6HD05		10		
		Clear	3SB5285-6HH05	10			

Now also available in 415V - Prices on request


## Wide band compact LED indicating lamps

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)	
	24 to 240 V AC & 24 to 220 V DC	Red	3SB5235-6HC14	555.-	10	
		Green	3SB5235-6HE14		10	
		Amber	3SB5235-6HL14		10	
		<b>NEW</b>	Blue	3SB5235-6HF14	945.-	10
			White	3SB5235-6HG14	555.-	10
			Yellow	3SB5235-6HD14	730.-	10
			Clear	3SB5235-6HH14	10	

## Modular Indicating Lamps (with plastic front ring)

	Colour	Type	Unit LP ₹	Std Pkg (nos.)
	Red	3SB5201-6BC00	110.-	10
	Green	3SB5201-6BE00		10
	Amber	3SB5201-6BL00		10
	Blue	3SB5201-6BF00		10
	White	3SB5201-6BG00		10
	Yellow	3SB5201-6BD00		10
	Clear	3SB5201-6BH00		10

## Illumination Module<sup>§</sup> - (suitable for INTEGRATED LED lamp)

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)	
	24 V AC/DC 50/60 Hz	Red	3SB5400-7CC	280.-	10	
		Green	3SB5400-7CE	280.-	10	
		Amber	3SB5400-7CL	280.-	10	
		Blue	3SB5400-7CF	895.-	10	
		White†	3SB5400-7CG	280.-	10	
		Yellow	3SB5400-7CD	280.-	10	
		110 V AC 50/60 Hz	Red	3SB5400-7EC	280.-	10
			Green	3SB5400-7EE	280.-	10
			Amber	3SB5400-7EL	280.-	10
			Blue	3SB5400-7EF	895.-	10
			White†	3SB5400-7EG	280.-	10
			Yellow	3SB5400-7ED	280.-	10
	110 V DC®	Red	3SB5400-7DC	280.-	10	
		Green	3SB5400-7DE	280.-	10	
		Amber	3SB5400-7DL	280.-	10	
		Blue	3SB5400-7DF	895.-	10	
		White†	3SB5400-7DG	280.-	10	
		Yellow	3SB5400-7DD	280.-	10	
	230 V AC 50/60 Hz	Red	3SB5400-7TC	280.-	10	
		Green	3SB5400-7TE	280.-	10	
		Amber	3SB5400-7TL	280.-	10	
		Blue	3SB5400-7TF	895.-	10	
		White†	3SB5400-7TG	280.-	10	
		Yellow	3SB5400-7TD	280.-	10	
220 V DC®	Red	3SB5400-7HC	280.-	10		
	Green	3SB5400-7HE	280.-	10		
	Amber	3SB5400-7HL	280.-	10		
	Blue	3SB5400-7HF	895.-	10		
	White†	3SB5400-7HG	280.-	10		
	Yellow	3SB5400-7HD	280.-	10		



@ Use of bridge rectified DC source (filtered O/P) recommended  
 † Can be used with clear lens.  
 § Illumination module can be used with lens assembly, illuminated push buttons & illuminated selector actuators.







# Push buttons


## Modular Push button actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>Opaque actuator (with holder for contact block)</b>				
	Normal	Red ■ 3SB5000-0AC01	100.-	10
		Green ■ 3SB5000-0AE01		
		Blue ■ 3SB5000-0AF01		
		White ■ 3SB5000-0AG01		
		Yellow ■ 3SB5000-0AD01		
	Raised	Black ■ 3SB5000-0AB01	110.-	10
		Red ■ 3SB5000-0LC01		
		Green ■ 3SB5000-0LE01		
		Blue ■ 3SB5000-0LF01		
		White ■ 3SB5000-0LG01		
	Normal	Red ■ 3SB5001-0AC01-0PQ0	125.-	10
		Green ■ 3SB5001-0AE01-0PQ0		
		Amber ■ 3SB5001-0AL01-0PQ0		
		Blue ■ 3SB5001-0AF01-0PQ0		
		White ■ 3SB5001-0AG01-0PQ0		
	Raised	Yellow ■ 3SB5001-0AD01-0PQ0	130.-	10
		Clear ■ 3SB5001-0AH01-0PQ0		
		Red ■ 3SB5218-0LC01-0PQ0		
		Green ■ 3SB5218-0LE01-0PQ0		
		Amber ■ 3SB5218-0LL01-0PQ0		
	Raised	Blue ■ 3SB5218-0LF01-0PQ0	130.-	10
		White ■ 3SB5218-0LG01-0PQ0		
		Yellow ■ 3SB5218-0LD01-0PQ0		
		Clear ■ 3SB5218-0LH01-0PQ0		
		Clear ■ 3SB5218-0LH01-0PQ0		

## Modular Selector Actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>2 position opaque selector actuator (with holder for contact block)</b>				
	Maintained	Black ■ 3SB5000-2AB01	325.-	10
		Red ■ 3SB5000-2AC01		
	Momentary	Black ■ 3SB5000-2BB01		
		Red ■ 3SB5000-2BC01		
<b>3 position opaque selector actuator (with holder for contact block)</b>				
	Maintained	Black ■ 3SB5000-2DB01	330.-	10
		Red ■ 3SB5000-2DC01		
	Momentary	Black ■ 3SB5000-2EB01		
		Red ■ 3SB5000-2EC01		
<b>2 position illuminated selector actuator (with holder for contact block)</b>				
	Maintained	Red ■ 3SB5001-2AC01	320.-	10
		Green ■ 3SB5001-2AE01		
		Blue ■ 3SB5001-2AF01		
		Yellow ■ 3SB5001-2AD01		
		Clear ■ 3SB5001-2AH01		
	Momentary	Red ■ 3SB5001-2BC01	320.-	10
		Green ■ 3SB5001-2BE01		
		Blue ■ 3SB5001-2BF01		
		Yellow ■ 3SB5001-2BD01		
		Clear ■ 3SB5001-2BH01		
<b>3 position illuminated selector actuator (with holder for contact block)</b>				
	Maintained	Red ■ 3SB5001-2DC01	335.-	10
		Green ■ 3SB5001-2DE01		
		Blue ■ 3SB5001-2DF01		
		Yellow ■ 3SB5001-2DD01		
		Clear ■ 3SB5001-2DH01		
	Momentary	Red ■ 3SB5001-2EC01	335.-	10
		Green ■ 3SB5001-2EE01		
		Blue ■ 3SB5001-2EF01		
		Yellow ■ 3SB5001-2ED01		
		Clear ■ 3SB5001-2EH01		

## Contact Blocks for Push button, Selector & Key Actuators

Description	Configuration	Type	Unit LP ₹	Std Pkg (nos.)
<b>Contact blocks for rear mounting (for panel mounting)</b>				
	1 NO	■ 3SB5400-0B	115.-	10
	1NC	■ 3SB5400-0C		10
	1NO + 1 NC	■ 3SB5400-0A	215.-	10
	2 NO	■ 3SB5400-0E		10
	2 NC	■ 3SB5400-0F		10

## Mushroom Actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>Mushroom actuator (40 mm ø) (with holder for contact block)</b>				
momentary	Black	■ 3SB5000-1NB01	195.-	10
	Red	■ 3SB5000-1NC01		
push to trip, turn to release	Black	■ 3SB5000-1CB01	225.-	10

## Mushroom Actuators (with plastic front ring) for Emergency Stop Specifications

NEW Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>Enhanced Safety and Monitoring with MNCB</b>				
Mushroom Actuator, E-Stop (40mm) with MNCB (1NC)	Red	■ 3SB5204-0UC01	410.-	10
MNCB (Mounting Monitoring Contact Block, 1NC)		■ 3SB5400-0M	190.-	10

MNCB should be assembled only on middle slot "5-6" of the holder

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
Mushroom actuator (40 mm ø) push to trip, turn to release with 1NC	Red	■ 3SB5203-0UC01	375.-	10
Mushroom actuator (40 mm ø) push to trip, turn to release	Red	■ 3SB5000-0UC01	270.-	10
Mushroom actuator (40 mm ø) push to trip, key to release	Red	■ 3SB5000-0TC01	1425.-	10

## Modular key actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>2 position key actuator (with holder for contact block)</b>				
Maintained		■ 3SB5000-4AC01	510.-	10
		■ 3SB5000-4AA01		10
		■ 3SB5000-4AB01		10
Momentary		■ 3SB5000-4TA01	510.-	10
		■ 3SB5000-4TC01		10
		■ 3SB5000-4JA01		10
<b>3 position key actuator (with holder for contact block)</b>				
Maintained		■ 3SB5000-4HA01	555.-	10
		■ 3SB5000-4HC01		10
		■ 3SB5000-4HB01		10
Momentary		■ 3SB5000-4JA01	555.-	10

\* Key removable position  
L - Left, R - Right, C - Centre, KL - Key at Left, KR - Key at Right, KC - Key at Centre

## Twin Push Button Actuators

Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Complete actuator with holder for contact block</b>			
Opaque with 1NO & 1NC	■ 3SB5201-7EC01	405.-	10
Illuminated with 1NO & 1NC	■ 3SB5234-7EC01		10
<b>Modular actuator with holder for contact block</b>			
Opaque	■ 3SB5000-7EC01	200.-	10
Illuminated	■ 3SB5001-7EC01		10

■ Stock items

## Push button Stations

No. of control points	Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Metal enclosure: Aluminum Die Cast</b>				
1	Normal opaque push button - Green with 1NO contact block, "START"	■ 3SB5801-8AA3	1345.-	1
1	Red mushroom momentary actuator, with 1NC contact block, "STOP"	■ 3SB5801-8AN3	1450.-	1
1	Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"	■ 3SB5801-8AM3	1910.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	■ 3SB5802-8AC3	1665.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"	■ 3SB5802-8AE3	2115.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	■ 3SB5803-8AH3	2370.-	1
<b>Pendant mounting: Aluminum Die Cast</b>				
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	■ 3SB5822-8AC3	2270.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	■ 3SB5823-8AH3	2955.-	1
<b>Plastic Enclosure</b>				
1	Normal opaque push button - Green with 1NO contact block, "START"	■ 3SB5801-7AA3	770.-	1
1	Red mushroom momentary actuator, with 1NC contact block, "STOP"	■ 3SB5801-7AN3	770.-	1
1	Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"	■ 3SB5801-7AM3	840.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	■ 3SB5802-7AC3	905.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"	■ 3SB5802-7AE3	1040.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	■ 3SB5804-7AG3	1150.-	1
<b>Pendant mounting: Plastic</b>				
1	Normal opaque push button - Green with 1NO contact block, "START"	■ 3SB5821-7AA3	1660.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	■ 3SB5822-7AC3	2030.-	1
3	Normal opaque push button - Green with 1NO contact block, "FORWARD" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	■ 3SB5823-7AH3	2660.-	1



### Accessories for push button stations

Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Plastic Enclosures</b>			
1 way, Grey	3SB5801-0AC3	560.-	1
2 way, Grey	3SB5802-0AC3	475.-	1
3 way, Grey	3SB5803-0AC3	490.-	1
4 way, Grey	3SB5804-0AC3	1070.-	1
6 way, Grey	3SB5806-0AC3	1490.-	1
1 way, Yellow	3SB5801-0AD3	560.-	1
<b>Metal Enclosures</b>			
1 way	3SB5801-4AC3	1135.-	1
2 way	3SB5802-4AC3	1235.-	1
3 way	3SB5803-4AC3	1715.-	1
<b>Contact Block</b>			
Contact block for base mounting, 1NO	■ 3SB54200B	115.-	10
Contact block for base mounting, 1NC	■ 3SB54200C	115.-	10
<b>Inscription Labels (set of 11 labels)</b>			
Set of 11 labels: Start, Stop, On, OFF, Up, Down, Open, Close Forward, Reverse, Emergency Off	3SB5901-3EA	220.-	10
<b>Blanking plug</b>			
Blanking plug	3SB5912-0BC	60.-	10

## Accessories

Description	Type	Unit LP ₹	Std Pkg (nos.)
Inscription plates	START	■ 3SB5901-2EL	10
	STOP	■ 3SB5901-2EK	10
	ON	■ 3SB5901-2EB	10
	OFF	■ 3SB5901-2EC	10
	UP	3SB5901-2ED	10
	DOWN	3SB5901-2EE	10
	FORWARD	3SB5901-2EF	10
	SLOW	3SB5901-2ES	10
	FAST	3SB5901-2ER	10
	REVERSE	3SB5901-2EG	10
	BLANK	3SB5901-2AA	10
TRIP	3SB5901-2EA	10	
Thrust cap for Push Buttons (for actuating middle module)	■ 3SB5902-0AA	40.-	10
Thrust pad for Selector Actuators (for actuating middle module)	■ 3SB5912-0AN	40.-	10
Adaptor plate for replacing 30 mm PB by 22 mm	■ 3SB5921-0AE	40.-	10
E-stop Yellow dia. 75 mm for Mushroom - Blank (Yellow contrast label)	3SB5921-0AB	40.-	10
E-stop Yellow dia. 75mm with "EMERGENCY STOP" printing	3SB5921-0AD	40.-	10
Protective Cap (IP-67) for	Normal	3SB5902-0AK	55.-
	Raised	3SB5902-0AN	
Metallic holder for front connection actuators (when used outside 3SB508 stations)	3SB5911-1AA	70.-	10

■ Stock items



# SIRIUS 3SE5

## Position Switches

### Modular design for all applications

Modular design with many standardized components

- Plug-in design and replacement of the actuator heads
- Exchangeable two and three pole contact blocks
- Turnable actuator heads around the axis in increments of 22.5°, with total 16 positions
- Quick-connect technology
- Optional LED Displays
- Communication Capable (AS-i Safe)

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**SIEMENS**

## Position Switches - 3SE5

### Open Type 30mm

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Open		Snap Action	1NO + 1NC	3SE5250-0CC05	610.-	10
		Slow Action		3SE5250-0BC05	580.-	10

### Open Type 30mm

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Open		Snap Action	1NO + 2NC	3SE5250-0LC05	945.-	10
		Slow Action	1NO + 2NC	3SE5250-0KC05		10
		Slow action contacts with make before break	1NO + 2NC	3SE5250-0MC05		10
		Slow action	2NO + 1 NC	3SE5250-0PC05		10

### Plastic enclosure: Enclosed type modular unit

#### Basic switch

Width	Basic switch	Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
31mm (IP 65)		Snap Action	1NO + 1NC	3SE5232-0CC05	695.-	1
		Slow Action	1NO + 1NC	3SE5232-0BC05	655.-	1
		Snap Action	1NO + 2NC	3SE5232-0LC05	990.-	1
		Slow Action	1NO + 2NC	3SE5232-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5232-0MC05		1
		Slow Action	2NO + 1NC	3SE5232-0PC05		1
50mm (IP 66/67)		Snap Action	1NO + 1NC	3SE5242-0CC05	725.-	1
		Slow Action	1NO + 1NC	3SE5242-0BC05	665.-	1
		Snap Action	1NO + 2NC	3SE5242-0LC05	1070.-	1
		Slow Action	1NO + 2NC	3SE5242-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5242-0MC05		1
		Slow Action	2NO + 1NC	3SE5242-0PC05		1

### Metal enclosure: Enclosed type modular unit IP 66/ IP 67

#### Basic switch

Width	Basic switch	Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
31mm		Snap Action	1NO + 1NC	3SE5212-0CC05	1105.-	1
		Slow Action	1NO + 1NC	3SE5212-0BC05	975.-	1
		Snap Action	1NO + 2NC	3SE5212-0LC05	1160.-	1
		Slow Action	1NO + 2NC	3SE5212-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5212-0MC05	1230.-	1
		Slow Action	2NO + 1NC	3SE5212-0PC05		1
40mm		Snap Action	1NO + 1NC	3SE5112-0CA00	1165.-	1
		Slow Action	1NO + 1NC	3SE5112-0BA00	1040.-	1
		Snap Action	1NO + 2NC	3SE5112-0LA00	1255.-	1
		Slow Action	1NO + 2NC	3SE5112-0KA00		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5112-0MA00	1320.-	1
		Slow Action	2NO + 1NC	3SE5112-0PA00		1
56mm		Snap Action	1NO + 1NC	3SE5122-0CA00	1300.-	1
		Slow Action	1NO + 1NC	3SE5122-0BA00	1190.-	1
		Snap Action	1NO + 2NC	3SE5122-0LA00	1660.-	1
		Slow Action	1NO + 2NC	3SE5122-0KA00		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5122-0MA00	1805.-	1
		Slow Action	2NO + 1NC	3SE5122-0PA00		1

Plastic Roller Actuators heads for plastic 31mm & 50mm and Metal 31mm

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller Plunger		3SE5000-0AD03	245.-	5
Roller lever		3SE5000-0AE10	125.-	5
Angular Roller lever		3SE5000-0AF10	155.-	5
Part turn actuator for twist lever		3SE5000-0AK00	130.-	5
Twist Lever		3SE5000-0AA21#	105.-	5
Twist Lever (Adjustable)		3SE5000-0AA50#	215.-	5
Twist lever 50mm dia (Adjustable) Rubber Roller		3SE5000-0AA58#	320.-	5
Twist lever 50mm dia (Adjustable) Plastic roller <b>NEW</b>		3SE5000-0AA57#	235.-	5

Metal Roller Actuators heads for plastic 31mm & 50mm and Metal 31mm

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller Plunger		3SE5000-0AD04	280.-	5
Roller lever		3SE5000-0AE11	190.-	5
Part turn actuator for twist lever		3SE5000-0AK00	130.-	5
Twist Lever (Adjustable)		3SE5000-0AA51#	250.-	5
Plain Plunger		3SE5000-0AB01	355.-	5

Plastic Roller Actuators heads for metal 40mm and 56mm

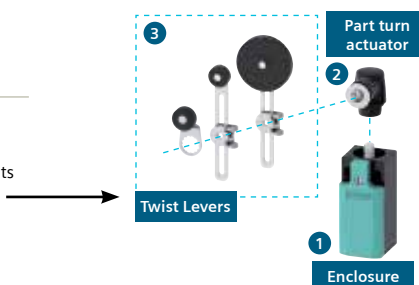
Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller lever		3SE5000-0AE01	180.-	5
Angular Roller lever		3SE5000-0AF01	330.-	5
Part turn actuator for twist lever		3SE5000-0AH00	265.-	5
Twist Lever		3SE5000-0AA01#	125.-	5
Twist Lever (Adjustable)		3SE5000-0AA50#	215.-	5
Fork type		3SE5000-0AT01\$	145.-	5
Mounting Head for Fork Type		3SE5000-0AT10	1370.-	5
Twist lever 50mm dia (Adjustable)		3SE5000-0AA58#	320.-	5
Twist lever 50mm dia (Adjustable) Plastic roller <b>NEW</b>		3SE5000-0AA57#	235.-	5

Metal Roller Actuators heads for metal 40mm and 56mm

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Rounded Plunger		3SE5000-0AC02	225.-	5
Roller Plunger		3SE5000-0AD02	335.-	5
Roller lever		3SE5000-0AE02	300.-	5
Angular Roller lever		3SE5000-0AF02	370.-	5
Part turn actuator for twist lever		3SE5000-0AH00	265.-	5
Twist Lever		3SE5000-0AA02#	150.-	5
Twist Lever (Adjustable)		3SE5000-0AA51#	250.-	5

Notes:

1. The basic switch comes with a Teflon plunger, in case of rounded plunger requirements no need to order actuator separately
2. # Twist levers are to be ordered with part turn actuator to allow fitment on enclosure
3. \$ Fork type actuator shall be ordered with mounting head 3SE5000-0AT10





Spare and Accessories

Actuator Type		Description	Type	Unit LP ₹	Std. pkg. (nos.)
Empty enclosures		Empty enclosures without contact block	3SE5250-0AC05	250.-	10

Spares for Open & enclosed switch

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Contact block		Slow action	1NO + 1NC	3SE5050-0BA00*	515.-	10
		Snap action		3SE5050-0CA00*		10
		Slow action		3SE5000-0BA00		10
		Snap action		3SE5000-0CA00		10
		Slow action	1NO + 2NC	3SE5000-0KA00	655.-	10
		Snap action		3SE5000-0LA00		10
		Slow-action contacts with make-before-break		3SE5000-0MA00	690.-	10
		Slow action		3SE5000-0PA00		10

Note: 3SE5000-0BA00 can be used only with enclosed type switch

\* Suitable for Open execution

Actuator Type		Description	Type	Unit LP ₹	Std. pkg. (nos.)
Cable gland		Molded Plastic Cable Gland, M20X1.5	3SX9926	720.-	5

Actuator Type		Type	Type	Unit LP ₹	Std. pkg. (nos.)
31MM		Plastic	3SE5232-0AC05	465.-	1
50MM			3SE5242-0AC05	690.-	1
31MM		Metal	3SE5212-0AC05	780.-	1
40MM			3SE5112-0AA00	945.-	1
56MM			3SE5122-0AA00	1060.-	1







**SIRIUS Safety switches**

# Mechanical Safety Switches With Tumbler

The safety switches with tumbler are exceptional safety-related devices which prevent an unforeseen or intentional opening of protective doors, protective grilles or other covers as long as a dangerous situation is present. Single switch can be used for SIL 2 / PL d safety level and with the use of a second switch SIL 3 / PL e safety level can be achieved.



		Solenoid Voltage	Plastic Enclosure 1300N Locking Force	Metal Enclosure 2600N Locking Force
 3SE5322-0SD21	With auxiliary release	24VDC	3SE5322-0SD21	3SE5312-0SD11
		115VAC	3SE5322-0SD22	3SE5312-0SD12
		230VAC	3SE5322-0SD23	3SE5312-0SD13
 3SE5322-0SE21	With auxiliary release with lock	24VDC	3SE5322-0SE21	3SE5312-0SE11
		115VAC	3SE5322-0SE22	3SE5312-0SE12
		230VAC	3SE5322-0SE23	3SE5312-0SE13
 3SE5322-0SF21	With escape release from the front	24VDC	3SE5322-0SF21	3SE5312-0SF11
		115VAC	3SE5322-0SF22	3SE5312-0SF12
		230VAC	3SE5322-0SF23	3SE5312-0SF13
 3SE5322-0SG21	With escape release from the back and auxiliary release from the front	24VDC	3SE5322-0SG21	3SE5312-0SG11
		115VAC	3SE5322-0SG22	3SE5312-0SG12
		230VAC	3SE5322-0SG23	3SE5312-0SG13
 3SE5322-0SJ21	With emergency release from the back and auxiliary release from the front	24VDC	3SE5322-0SJ21	3SE5312-0SJ11
		115VAC	3SE5322-0SJ22	3SE5312-0SJ12
		230VAC	3SE5322-0SJ23	3SE5312-0SJ13
 3SE5322-0SB21	Solenoid-locked	24VDC	3SE5322-0SB21	3SE5312-0SB11
		115VAC	3SE5322-0SB22	3SE5312-0SB12
		230VAC	3SE5322-0SB23	3SE5312-0SB13

**Accessories**

  
 3SE5000-0AV01

  
 3SE5000-0AV02

  
 3SE5000-0AV03

  
 3SE5000-0AV05-1AA6

  
 3SE5000-0AV07

Description		Type
Standard actuator	Length 75.6 mm	3SE5000-0AV01
	With vertical fixing, length 53 mm	3SE5000-0AV02
	With transverse fixing, length 47 mm	3SE5000-0AV03
Radius actuator length 51mm	Direction of approach from the left	3SE5000-0AV04
	Direction of approach from the right	3SE5000-0AV06
Universal radius actuator	Length 77 mm	3SE5000-0AV05
	Length 77 mm, tab rotated 90°	3SE5000-0AV05-1AA6
Universal radius actuator, heavy duty	Length 67 mm	3SE5000-0AV07-1AK2
	Length 77 mm	3SE5000-0AV07

Prices available on request



## Easy, flexible, efficient

Integrated connection of the field level to the control – revolutionized automation applications with AS-i and benefits

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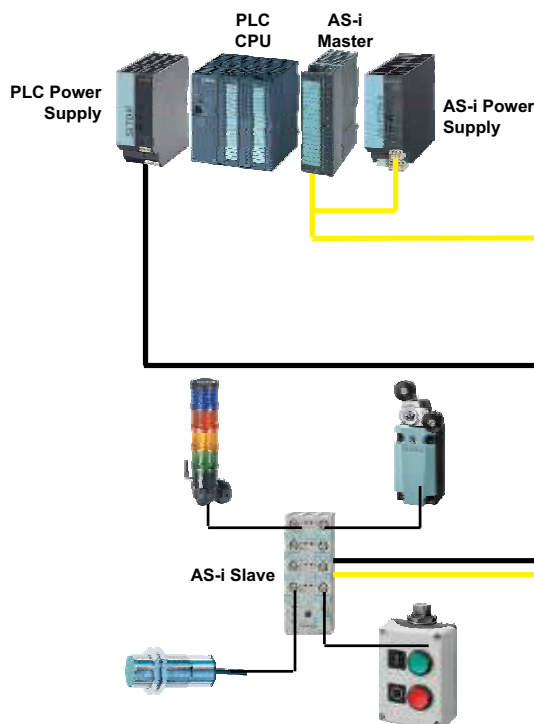
### AS-i Masters and Power supplies



### I/O Modules



### Integrated Solutions



Actuator Sensor interface (AS-i) is a 2 wire simple bus system that connects field devices like limit switches, proximity sensors, valves, etc to a PLC. This eliminates the huge control cabling in your machine/ plant.

AS-i can be used in any machine / process having Sensors (Push buttons, Limit switches, Proximity sensors) Actuators

(Valves, indicating lamps, contactors etc.) across diverse industries.

- Reduction in field wiring
- Less source for errors
- Faster diagnostics
- Increased uptime
- Increased productivity





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# SIMOCODE pro: Flexible, modular and safe

The made-to-measure motor management system

- Motor protection, monitoring and control in a single system
- Fail-safe disconnection of motors
- Detailed operating, service and diagnostics data
- Open communication via PROFIBUS / PROFINET and OPC UA

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# SIMOCODE Pro

## Basic Unit

Description	Type
Pro S on Profibus with 110-240VAC/DC control	3UF7020-1AU01-0
Pro S on Profibus with 24VDC control	3UF7020-1AB01-0
Pro V on Profibus with 110-240VAC/DC control	3UF7010-1AU00-0
Pro V on Profibus with 24VDC control	3UF7010-1AB00-0
Pro C on Profibus with 110-240VAC/DC control	3UF7000-1AU00-0
Pro C on Profibus with 24VDC control	3UF7000-1AB00-0
Pro V PN on Profinet with 110-240VAC/DC control	3UF7011-1AU00-0
Pro V PN on Profinet with 24VDC control	3UF7011-1AB00-0
Pro V on Modbus RTU with 110-240VAC/DC control	3UF7012-1AU00-0
Pro V on Modbus RTU with 24VDC control	3UF7012-1AB00-0
Pro V on EtherNet/IP with 110-240VAC/DC control	3UF7013-1AU00-0
Pro V on EtherNet/IP with 24VDC control	3UF7013-1AB00-0

## Current Measuring Module

Description	Type
0.3 to 3A	3UF7100-1AA00-0
2.4 to 25A	3UF7101-1AA00-0
10 to 100A	3UF7102-1AA00-0
20 to 200A	3UF7103-1AA00-0
20 to 200A (Busbar Connection)	3UF7103-1BA00-0
63 to 630A (Busbar Connection)	3UF7104-1BA00-0

## Current/Voltage Measuring Module (2nd generation)

Description	Type
0.3 to 4A	3UF7110-1AA01-0
3.0 to 40A	3UF7111-1AA01-0
10 to 115A	3UF7112-1AA01-0
20 to 200A	3UF7113-1AA01-0
20 to 200A (Busbar Connection)	3UF7113-1BA01-0
63 to 630A (Busbar Connection)	3UF7114-1BA01-0

Prices available on request

## Operator Panel (Optional)

Description	Type
Operator Panel (for Pro S)	3UF7200-1AA01-0
Operator Panel (for Pro C, Pro V)	3UF7200-1AA00-0
Operator Panel with Display (for Pro V)	3UF7210-1AA01-0

## Connecting Cable

Description	Type
Side by Side (0.025m flat)	3UF7930-0AA00-0
Length 0.1m (flat)	3UF7931-0AA00-0
Length 0.3m (flat)	3UF7935-0AA00-0
Length 0.5m (flat)	3UF7932-0AA00-0
Length 0.5m (round)	3UF7932-0BA00-0
Length 1m (round)	3UF7937-0BA00-0
Length 2.5m (round)	3UF7933-0BA00-0

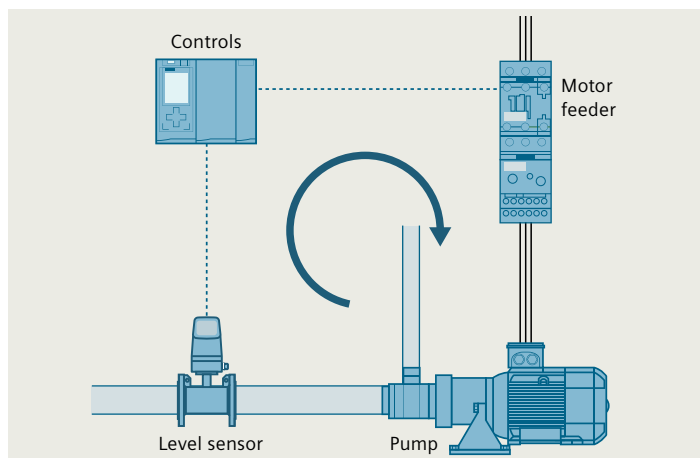
## Configuration Software

Description	Type
Premium upgrade for SIMOCODE ES 2007	3ZS1322-6CC15-0YE5
SIMOCODE ES V16 (TIA Portal) Premium Package – Floating license	3ZS1322-6CC15-0YA5

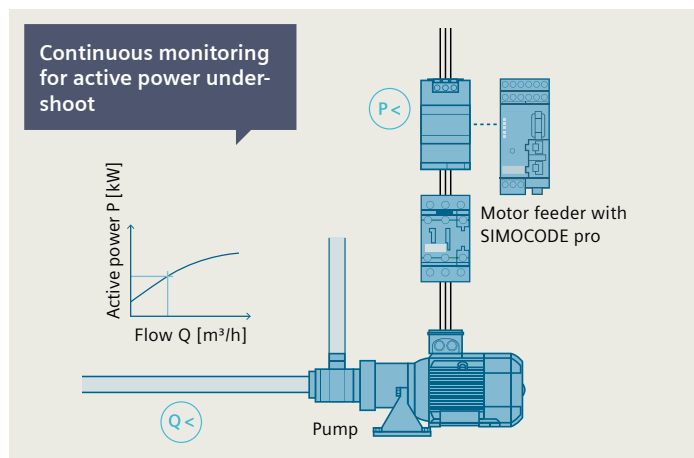
## Accessories

Description	Type
PC Cable for PC/PG communication - USB connection	3UF7941-0AA00-0
Memory Module for pro S, pro C & pro V on Profibus	3UF7900-0AA01-0
Memory Module for pro V PN on Profinet	3UF7901-0AA01-0
Addressing Plug for pro S, pro C & pro V on Profibus	3UF7910-0AA00-0
Door Adaptor	3UF7920-0AA00-0
Initialization module for the automatic parameterization of SIMOCODE pro S/pro V	3UF7902-0AA00-0



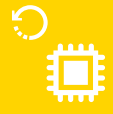

# Your benefits through active power-based dry running protection



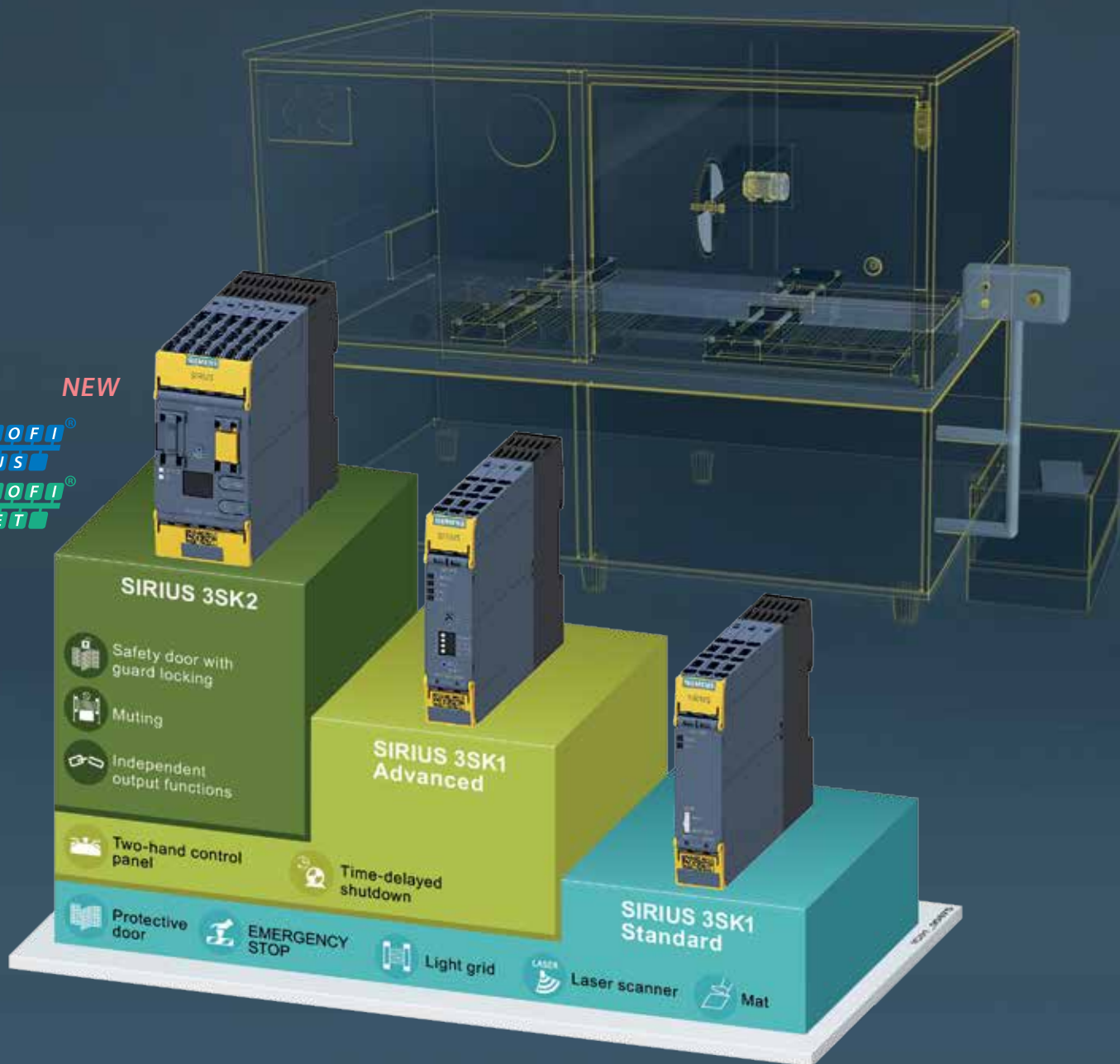
Conventional dry running monitoring with a sensor



Active power-based dry running protection

 <p><b>Earlier fault detection</b></p> <ul style="list-style-type: none"> <li>• Direct conclusions concerning the flow rate can be drawn from the active power consumption of the pump motor</li> <li>• Reliable prevention of dry running of the pump and therefore less damage to the pump</li> </ul>	 <p><b>Cost and time savings</b></p> <ul style="list-style-type: none"> <li>• No maintenance effort due to the elimination of mechanical wear of the sensors</li> <li>• No additional sensor required</li> </ul>	 <p><b>Reduction of hardware</b></p> <ul style="list-style-type: none"> <li>• No need for additional sensors and mechanical components</li> <li>• Simplified engineering</li> </ul>	 <p><b>Reliable monitoring of the system</b></p> <ul style="list-style-type: none"> <li>• Compliance with ATEX and IECEx criteria</li> <li>• Reliable and automatic pump switch-off in the event of inadmissible operating conditions</li> </ul>
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# SIRIUS 3SK Safety relays

Select the optimum device – precisely for your application

SIRIUS 3SK safety relays offer outstanding simplicity and flexibility. Their modular design simplifies the planning, commissioning and expansion of plants. Simple safety functions, such as EMERGENCY STOP and protective door monitoring up to SIL 3 and PL e, can be quickly implemented without programming.

The safety relays are certified in accordance with IEC 62061 and ISO 13849-1 and are internationally applicable. The 3SK1 and 3SK2 versions of the device are available to meet differing requirements. The devices can be used for both stand-alone and integrated solutions.

[www.siemens.com/safety-relays](http://www.siemens.com/safety-relays)











**SIEMENS**

# SIRIUS 3SK Safety relays

Relay enable circuit	Semiconductor enable circuit	Contacts				Rated control supply voltage	Unit LP ₹	MOQ
		EC	SC	EC (td)	Adjustable Time Delay (td)			
<b>SIRIUS 3SK1 standard basic units</b>								
3SK1111-1AB30		3	1	--	--	24V AC/DC	25010.-	1
3SK1111-1AW20		3	1	--	--	110-240V AC/DC	25010.-	1
	3SK1112-1BB40	2	1	--	--	24V DC	22990.-	1
<b>SIRIUS 3SK1 advanced basic units</b>								
3SK1121-1CB41		2	--	2	0.05...3 Sec	24V DC	38330.-	1
3SK1121-1CB42		2	--	2	0.5...30 Sec	24V DC	38330.-	1
3SK1121-1CB44		2	--	2	5.0...300 Sec	24V DC	38330.-	1
	3SK1122-1CB41	2	--	2	0.05...3 Sec	24V DC	22990.-	1
	3SK1122-1CB42	2	--	2	0.5...30 Sec	24V DC	22990.-	1
	3SK1122-1CB44	2	--	2	5.0...300 Sec	24V DC	22990.-	1
<b>SIRIUS 3SK1 Output expansion module</b>								
3SK1211-1BB00		4	1			24V AC	22535.-	1
3SK1211-1BB40		4	1			24V DC	22535.-	1
3SK1211-1BW20		4	1			110-240V AC/DC	22535.-	1
<b>SIRIUS 3SK2 Basic Unit</b>								
	3SK2112-1AA10	10	--	2	0.05...3 Sec	24V DC	Prices available on request	1
	3SK2122-1AA10	20	--	4	0.05...3 Sec			1

Note: EC = enable Circuit(s), SC = signaling circuit(s), td = delayed

## Everything for your safety

Detecting	Evaluating	Reacting
<p>Which sensors can be connected?</p> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  <p>SIRIUS 3SE5 position switches</p> </div> <div style="text-align: center;">  <p>SIRIUS ACT / 3SB5 Emergency STOP</p> </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start; margin-top: 10px;"> <div style="text-align: center;">  <p>SIRIUS ACT Two-hand operation consoles</p> </div> <div style="text-align: center;">  <p>SIRIUS foot switches</p> </div> </div>	<p>How can you perform quick, flexible evaluation?</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">   </div> <p style="text-align: center; margin-top: 5px;">SIRIUS 3SK Safety relays      SIRIUS 3RQ1 Coupling relays <span style="color: red; font-weight: bold; font-size: small;">NEW</span></p>	<p>Which actuators can be connected?</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">   </div> <p style="text-align: center; margin-top: 5px;">SIRIUS 3RT Contactors      SIRIUS 3RM1 Motor Starters</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 20px;">   </div> <p style="text-align: center; margin-top: 5px;">SIRIUS 3RW Soft Starter      SIRIUS 3RM1 Motor Starters</p>

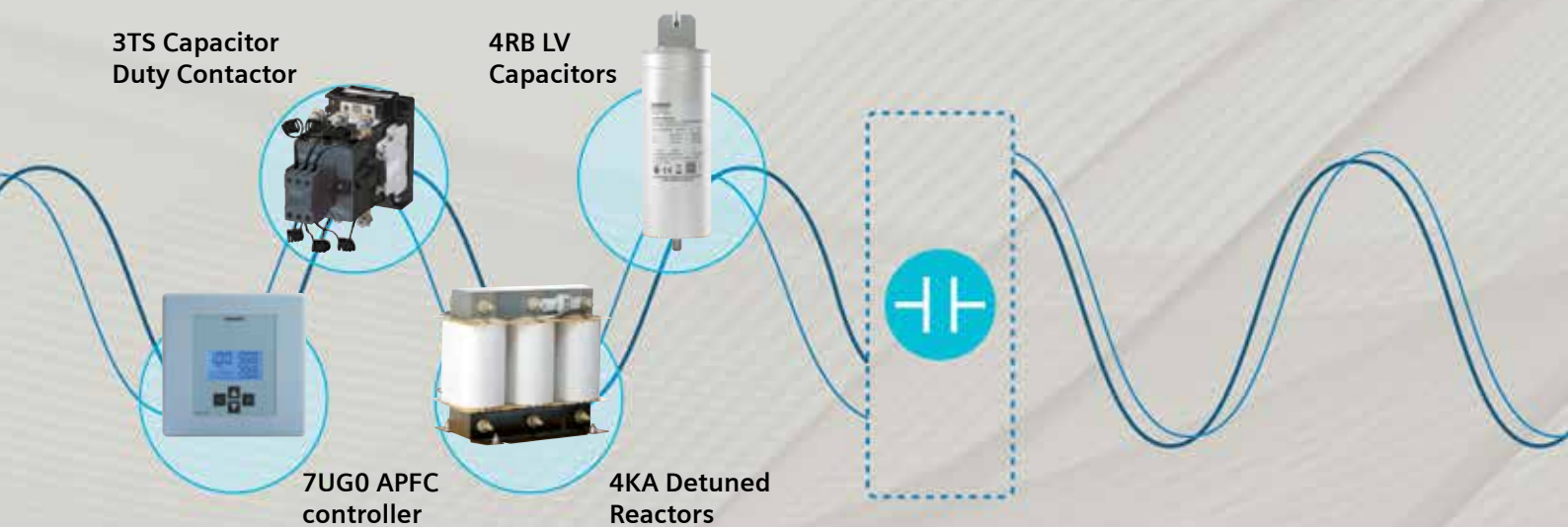
## SIRIUS 3RQ1 coupling relays NEW

The 3RQ1 relays are force-guided in accordance with IEC 60947-5-1 (IEC 61810-3), the mechanical connection between the contacts ensures the NO and NC contacts are never closed simultaneously. This means failures to open can be reliably recognized in order to ensure maximum safety. These coupling relays are also an integral component of the 3SK safety relay system and serve as an output expansion module. 3RQ1 coupling relays are available in two variants to fulfill SIL 2 & SIL 3.



Type	Contacts		Rated control supply voltage	Unit LP ₹	MOQ
	NO	NC			
3RQ1000-1EB00	1	1	24V DC	Prices available on request	1
3RQ1000-1GB00	2	1			1
3RQ1000-1HB00	2	2			1
3RQ1000-1LB00	4	1			1

Safety evaluation with TIA selection tool - The fast way to a safe solution  
[www.siemens.com/safety](http://www.siemens.com/safety)



# Power Quality Solutions

[www.siemens.co.in](http://www.siemens.co.in)

**SIEMENS**



# SIECAP™ LV Power Capacitors NEW

## ND+ (Normal Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 200.I<sub>N</sub>)
- Long life expectancy upto 100000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
440	0.9	4RB2008-3EE52-8K	365.-	1
	1	4RB2010-3EE52-8K	400.-	1
	1.2	4RB2012-3EE52-8K	475.-	1
	1.5	4RB2015-3EE52-8K	590.-	1
	2.1	4RB2021-3EE52-8K	835.-	1
	2.5	4RB2025-3EE52-8K	990.-	1
	3	4RB2030-3EE52-8K	1195.-	1
	4.2	4RB2042-3EE52-8K	1660.-	1
	5	4RB2050-3EE52-8K	1980.-	1
	6	4RB2060-3EE52-8K	2090.-	1
	7	4RB2070-3EE52-8K	2440.-	1
	7.5	4RB2075-3EE52-8K	2620.-	1
	8.3	4RB2083-3EE52-8K	2900.-	1
	9	4RB2090-3EE52-8K	3140.-	1
	10	4RB2100-3EE52-8K	3495.-	1
	12.5	4RB2125-3EE52-8K	3770.-	1
	15	4RB2150-3EE52-8K	4520.-	1
	16.7	4RB2167-3EE52-8K	5025.-	1
	20	4RB2200-3EE52-8K	6015.-	1
	20.8	4RB2208-3EE52-8K	6265.-	1
25	4RB2250-3EE52-8K	7535.-	1	
28	4RB2280-3EE52-8K	8435.-	1	
30	4RB2300-3EE52-8K	9040.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	1	4RB2010-3EJ52-8K	420.-	1
	1.5	4RB2015-3EJ52-8K	625.-	1
	2	4RB2020-3EJ52-8K	825.-	1
	2.5	4RB2025-3EJ52-8K	1025.-	1
	4.2	4RB2042-3EJ52-8K	1740.-	1
	5	4RB2050-3EJ52-8K	1825.-	1
	5.5	4RB2055-3EJ52-8K	2270.-	1
	8.3	4RB2083-3EJ52-8K	3030.-	1
	10.4	4RB2104-3EJ52-8K	3795.-	1
	11.1	4RB2111-3EJ52-8K	3870.-	1
	12.5	4RB2125-3EJ52-8K	3970.-	1
	13.8	4RB2138-3EJ52-8K	4380.-	1
	15	4RB2150-3EJ52-8K	4760.-	1
	16.7	4RB2167-3EJ52-8K	5290.-	1
	20.8	4RB2208-3EJ52-8K	6600.-	1
	25	4RB2250-3EJ52-8K	7925.-	1
	27.7	4RB2277-3EJ52-8K	8785.-	1
	30	4RB2300-3EJ52-8K	9515.-	1

# Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details.

For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.



# SIECAP™ LV Power Capacitors

NEW

## HD (Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (up to 250.I<sub>N</sub>)
- Long life expectancy up to 130000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB2050-3EB53-8K	2430.-	1
	7.5	4RB2075-3EB53-8K	3635.-	1
	10.4	4RB2104-3EB53-8K	5040.-	1
	12.5	4RB2125-3EB53-8K	5470.-	1
	15	4RB2150-3EB53-8K	6565.-	1
	20	4RB2200-3EB53-8K	8755.-	1
	25	4RB2250-3EB53-8K	10940.-	1
440	1	4RB2010-3EE53-8K	500.-	1
	2	4RB2020-3EE53-8K	1005.-	1
	3	4RB2030-3EE53-8K	1500.-	1
	4	4RB2040-3EE53-8K	2005.-	1
	5	4RB2050-3EE53-8K	2505.-	1
	7.5	4RB2075-3EE53-8K	3635.-	1
	10	4RB2100-3EE53-8K	4845.-	1
	12.5	4RB2125-3EE53-8K	5470.-	1
	15	4RB2150-3EE53-8K	6565.-	1
	20	4RB2200-3EE53-8K	8755.-	1
	25	4RB2250-3EE53-8K	10940.-	1
	28.1	4RB2281-3EE53-8K	12290.-	1
	30	4RB2300-3EE53-8K	13125.-	1

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB2050-3EJ53-8K	2505.-	1	
	6.3	4RB2063-3EJ53-8K	3150.-	1	
	8.3	4RB2083-3EJ53-8K	4150.-	1	
	10.4	4RB2104-3EJ53-8K	4720.-	1	
	11	4RB2110-3EJ53-8K	4990.-	1	
	12.5	4RB2125-3EJ53-8K	5665.-	1	
	13.8	4RB2138-3EJ53-8K	6260.-	1	
	15	4RB2150-3EJ53-8K	6800.-	1	
	16.7	4RB2167-3EJ53-8K	7565.-	1	
	18.7	4RB2187-3EJ53-8K	8475.-	1	
	20	4RB2200-3EJ53-8K	9070.-	1	
	22	4RB2220-3EJ53-8K	9965.-	1	
	25	4RB2250-3EJ53-8K	11325.-	1	
	28.1	4RB2281-3EJ53-8K	12735.-	1	
	30	4RB2300-3EJ53-8K	13590.-	1	
	525	5	4RB2050-3FC53-8K	2580.-	1
		6.3	4RB2063-3FC53-8K	3260.-	1
8.3		4RB2083-3FC53-8K	4285.-	1	
10.4		4RB2104-3FC53-8K	4875.-	1	
12.5		4RB2125-3FC53-8K	5865.-	1	
13.2		4RB2132-3FC53-8K	6190.-	1	
15		4RB2150-3FC53-8K	7030.-	1	
16.7		4RB2167-3FC53-8K	7840.-	1	
20		4RB2200-3FC53-8K	9375.-	1	
25		4RB2250-3FC53-8K	11720.-	1	
26.5		4RB2265-3FC53-8K	12425.-	1	
30		4RB2300-3FC53-8K	14065.-	1	
33.1		4RB2331-3FC53-8K	15515.-	1	

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For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.



Std. Pkg. = 1 unit

LP - List Price



## SIECAP™ LV Power Capacitors

### SHD (Super Heavy Duty) - Al Can, MPP resin filled

- High pulse current withstand capability (upto 500.I<sub>N</sub>)
- Long life expectancy upto 200000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB1050-3EB50-8K	2770.-	1
	6.3	4RB1063-3EB50-8K	3485.-	1
	7.5	4RB1075-3EB50-8K	4145.-	1
	10.4	4RB1104-3EB50-8K	5755.-	1
	12.5	4RB1125-3EB50-8K	6245.-	1
	15	4RB1150-3EB50-8K	7495.-	1
	20	4RB1200-3EB50-8K	9995.-	1
	25	4RB1250-3EB50-8K	12495.-	1
	28.1	4RB1281-3EB50-8K	14035.-	1
	30	4RB1300-3EB50-8K	14990.-	1
	33	4RB1330-3EB50-8K	16490.-	1
440	1	4RB1010-3EE50-8K	565.-	1
	2	4RB1020-3EE50-8K	1145.-	1
	3	4RB1030-3EE50-8K	1710.-	1
	4	4RB1040-3EE50-8K	2290.-	1
	5	4RB1050-3EE50-8K	2860.-	1
	7.5	4RB1075-3EE50-8K	4145.-	1
	10	4RB1100-3EE50-8K	5535.-	1
	10.4	4RB1104-3EE50-8K	5755.-	1
	12.5	4RB1125-3EE50-8K	6245.-	1
	15	4RB1150-3EE50-8K	7495.-	1
	16.7	4RB1167-3EE50-8K	8345.-	1
	20	4RB1200-3EE50-8K	9995.-	1
	25	4RB1250-3EE50-8K	12495.-	1
	28.1	4RB1281-3EE50-8K	14035.-	1
	30	4RB1300-3EE50-8K	14990.-	1
	33.1	4RB1331-3EE50-8K	16540.-	1

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB1050-3EJ50-8K	2860.-	1	
	6.3	4RB1063-3EJ50-8K	3595.-	1	
	8.3	4RB1083-3EJ50-8K	4740.-	1	
	10.4	4RB1104-3EJ50-8K	5385.-	1	
	11	4RB1111-3EJ50-8K	5700.-	1	
	12.5	4RB1125-3EJ50-8K	6470.-	1	
	13.8	4RB1138-3EJ50-8K	7150.-	1	
	15	4RB1150-3EJ50-8K	7765.-	1	
	16.7	4RB1167-3EJ50-8K	8640.-	1	
	18.7	4RB1187-3EJ50-8K	9680.-	1	
	20	4RB1200-3EJ50-8K	10355.-	1	
	22	4RB1220-3EJ50-8K	11385.-	1	
	25	4RB1250-3EJ50-8K	12935.-	1	
	28.1	4RB1281-3EJ50-8K	14540.-	1	
	30	4RB1300-3EJ50-8K	15520.-	1	
	31	4RB1310-3EJ50-8K	16045.-	1	
	33	4RB1330-3EJ50-8K	17085.-	1	
	525	5	4RB1050-3FC50-8K	2945.-	1
		6.3	4RB1063-3FC50-8K	3720.-	1
		8.3	4RB1083-3FC50-8K	4890.-	1
10.4		4RB1104-3FC50-8K	5565.-	1	
12.5		4RB1125-3FC50-8K	6695.-	1	
13.2		4RB1132-3FC50-8K	7070.-	1	
15		4RB1150-3FC50-8K	8030.-	1	
16.7		4RB1167-3FC50-8K	8950.-	1	
20		4RB1200-3FC50-8K	10705.-	1	
25		4RB1250-3FC50-8K	13385.-	1	
26.5		4RB1265-3FC50-8K	14190.-	1	
30		4RB1300-3FC50-8K	16065.-	1	
33.1		4RB1331-3FC50-8K	17720.-	1	
690		5.3	4RB1053-3GK50-8K	2930.-	1
		6.9	4RB1068-3GK50-8K	3825.-	1
	10.4	4RB1104-3GK50-8K	5755.-	1	
	12.5	4RB1125-3GK50-8K	6920.-	1	
	14.6	4RB1146-3GK50-8K	8080.-	1	
	20	4RB1200-3GK50-8K	11065.-	1	
	25	4RB1250-3GK50-8K	13835.-	1	

# Purchase MOQ for our dealers is in multiples of standard packing, contact Siemens Sales Office for further details

For information on other kvar ratings at different voltages and frequency and use with detuned reactors, please contact Siemens Sales Office.

## Harmonics filter

### Detuned reactor

#### Features

- Insulation class H
- High linearity
- Temperature control via micro switch
- Low losses and low noise



### Copper Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1220-1AC01-0AA0	16500.-
10kvar	5.67%	4KA1220-3AC01-0AA0	19580.-
12.5kvar	5.67%	4KA1220-4AC01-0AA0	22920.-
15kvar	5.67%	4KA1220-5AC01-0AA0	24760.-
20kvar	5.67%	4KA1220-6AC01-0AA0	26480.-
25kvar	5.67%	4KA1220-7AC01-0AA0	28330.-
50kvar	5.67%	4KA1220-2BC01-0AA0	45930.-
5kvar	7%	4KA1220-1AA01-0AA0	16490.-
10kvar	7%	4KA1220-3AA01-0AA0	22620.-
12.5kvar	7%	4KA1220-4AA01-0AA0	24420.-
15kvar	7%	4KA1220-5AA01-0AA0	28200.-
20kvar	7%	4KA1220-6AA01-0AA0	30040.-
25kvar	7%	4KA1220-7AA01-0AA0	31610.-
50kvar	7%	4KA1220-2BA01-0AA0	56320.-
75kvar	7%	4KA1220-3BA03-0AA0	78980.-
100kvar	7%	4KA1220-4BA03-0AA0	99410.-
5kvar	14%	4KA1220-1AB01-0AA0	21710.-
10kvar	14%	4KA1220-3AB01-0AA0	36300.-
12.5kvar	14%	4KA1220-4AB01-0AA0	36430.-
15kvar	14%	4KA1220-5AB01-0AA0	42660.-
20kvar	14%	4KA1220-6AB01-0AA0	51910.-
25kvar	14%	4KA1220-7AB01-0AA0	58370.-
50kvar	14%	4KA1220-2BB01-0AA0	94780.-
75kvar	14%	4KA1220-3BB03-0AA0	121260.-
100kvar	14%	4KA1220-4BB03-0AA0	168640.-

### Aluminium Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1420-1AC01-0AA0	12260.-
10kvar	5.67%	4KA1420-3AC01-0AA0	15630.-
12.5kvar	5.67%	4KA1420-4AC01-0AA0	17130.-
15kvar	5.67%	4KA1420-5AC01-0AA0	20260.-
20kvar	5.67%	4KA1420-6AC01-0AA0	23100.-
25kvar	5.67%	4KA1420-7AC01-0AA0	23390.-
50kvar	5.67%	4KA1420-2BC01-0AA0	42560.-
5kvar	7%	4KA1420-1AA01-0AA0	13050.-
10kvar	7%	4KA1420-3AA01-0AA0	16790.-
12.5kvar	7%	4KA1420-4AA01-0AA0	18570.-
15kvar	7%	4KA1420-5AA01-0AA0	20930.-
20kvar	7%	4KA1420-6AA01-0AA0	22290.-
25kvar	7%	4KA1420-7AA01-0AA0	23840.-
50kvar	7%	4KA1420-2BA01-0AA0	40990.-
75kvar	7%	4KA1420-3BA03-0AA0	55690.-
100kvar	7%	4KA1420-4BA03-0AA0	72830.-
5kvar	14%	4KA1420-1AB01-0AA0	17770.-
10kvar	14%	4KA1420-3AB01-0AA0	26650.-
12.5kvar	14%	4KA1420-4AB01-0AA0	29000.-
15kvar	14%	4KA1420-5AB01-0AA0	34330.-
20kvar	14%	4KA1420-6AB01-0AA0	38120.-
25kvar	14%	4KA1420-7AB01-0AA0	46510.-
50kvar	14%	4KA1420-2BB01-0AA0	82280.-



## 3TS Capacitor duty Contactors

Now in **NEW**  
TI - GREY

The 3TS capacitor duty contactor (with **patented** de-latching technology) provides a reliable and economical solution for capacitor switching applications.

### Features and Benefits

- De-latching operating principle
- SIGUT Termination technique
- Finger touch proof terminals
- Compact Dimensions
- DIN / Screw mounting
- Reliable switching of capacitor banks
- Ease of wiring (can obviate use of lugs)
- Operator Safety
- Space saving
- Flexible mounting



Capacitor kVAr 415V, 3ph, 50Hz	Built-in aux. contacts	Type®	Unit LP ₹	Built-in aux. contacts	Type®	Unit LP ₹	Std. pkg. (nos.)
5 kvar <b>NEW</b>	1 NO	3TS2110-0A..5-8K†	2305.-				
7 kvar	1 NO	3TS1110-0A..5-8K†	2535.-				
10 kvar <b>NEW</b>	–	3TS2200-0A..5-8K†	2750.-	1NO+1NC	3TS2211-0A..5-8K	3155.-	
12.5 kvar	–	3TS1200-0A..5-8K†	2820.-	1NO+1NC	3TS1211-0A..5-8K	3225.-	1
16 kvar	–	3TS1300-0A..5-8K†	3875.-	1NO+1NC	3TS1311-0A..5-8K	4275.-	1
20 kvar	–	3TS1400-0A..5-8K†	4365.-	1NO+1NC	3TS1411-0A..5-8K	4755.-	1
25 kvar	–	3TS1500-0A..5-8K†	5045.-	1NO+1NC	3TS1511-0A..5-8K	5450.-	1
30 kvar <b>NEW</b>	–	3TS2500-0A..5-8K†	7855.-	1NO+1NC	3TS2511-0A..5-8K	8260.-	1
40 kvar <b>NEW</b>	2 NO + 2 NC	3TS2722-0A..5-8K	13335.-				
50 kvar	2 NO + 2 NC	3TS1722-0A..5-8K	15610.-				

† Facility to add one contact block of 1NO / 1NC

### @ AC 50Hz coil code - Please enter coil codes from table below

Code	For 3TS contactors		
	F0	P0	R0
Coil voltage (V)	110	230	415

### Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	■ 3TX4010-2A	215.-	10
	1NC	■ 3TX4001-2A	215.-	10

## 3MT7 Capacitor Duty Contactors **NEW**

Capacitor kvar 440V AC, 3Ph, 50Hz	Built-in aux. contacts	Type	Unit LP ₹	Std. pkg. (nos.)
60kVAr	1NO+2NC	3MT70060JA126A..	16590.-	1
80kVAr	1NO+2NC	3MT70080JA126A..	20365.-	1
100kVAr	1NO+2NC	3MT70100JA126A..	21165.-	1

Please add coil code from adjacent table

Note: For SIRIUS 3RT26 Capacitor Duty Contactors - Please contact Siemens

Refer Page No 41 for Capacitor Duty Contactor Spares

Coil 50/60Hz for 60 kvar contactor					
Coil Code	C2	G2	N2	P2	R2
Voltage	24V AC	110V AC	■ 220V AC	■ 240V AC	415V AC

Coil 50Hz for 80 & 100 kvar contactors				
Coil Code	F0	M0	U0	V0
Voltage	110V AC	■ 220V AC	■ 240V AC	415V AC



## Automatic Power Factor Correction Relay (APFC relay)

### Features

- Easy accessibility of parameters
- Universal control supply—optimizing the no of variants
- Automatic/ Linear/ rotational switching modes of banks
- Selectable 1A/ 5A current input
- LCD version with RS485 Communication MODBUS RTU Protocol
- Confirms to IEC60947-5-1, carry CE and RoHS Compliant



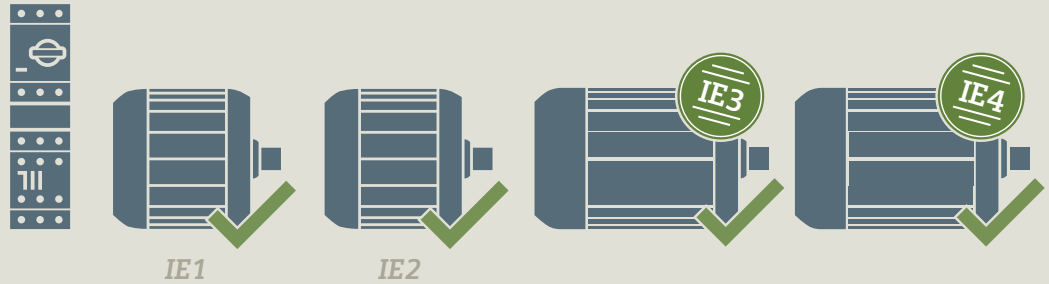
for more info scan QR code



7UG0572-1GT20

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display	7UG0571-1FT20	20590.-
	12 Stage with LCD display	7UG0572-1GT20	22050.-
	12 stage with LED display	7UG0572-1GT21	12610.-

Reliable  
switching and  
protection  
of IE3/IE4  
motors  
at any time



## Fuseless selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (Motor starter protector 3RV2 + Contactor 3RT )

Suitable for IE3/IE4

- The selection is valid only for complete Siemens combinations i.e. MPCB + contactor + bi-relay (+timer)
  - In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
  - Selection is for normal starting conditions (Class 10 Feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
  - All selections with MPCB are Type tested, selections with MCCB are recommended. For type tested selections & higher breaking capacity refer "Load feeder configuration manual".
  - Low LCC = Low life cycle cost
- # 3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

### Direct-on-line feeder, for low LCC

SL Motor		Circuit breaker®		Contactor		Bi-relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps (Guide value)	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	0.99	3RV2011-0KA10	1.25	3RT2015	7	#	0.9 ... 1.1
0.55	1.2	3RV2011-1AA10	1.6	3RT2015	7	#	1.1 ... 1.4
0.75	1.7	3RV2011-1CA10	2.5	3RT2015	7	#	1.8 ... 2.2
1.1	2.2	3RV2011-1DA10	3.2	3RT2015	7	#	2.2 ... 2.8
1.5	3.1	3RV2011-1FA10	5	3RT2024	12	#	3.5 ... 4.5
2.2	4.3	3RV2011-1GA10	6.3	3RT2024	12	#	4.5 ... 5.5
3.7	7.3	3RV2011-1HA10	8	3RT2024	12	#	5.5 ... 7
4	8.2	3RV2011-1JA10	10	3RT2024	12	#	7 ... 9
5.5	11	3RV2011-1KA10	12.5	3RT2024	12	#	9 ... 10
7.5	14	3RV2021-4BA10	20	3RT2027	32	#	13 ... 16
11	20	3RV2021-4DA10	25	3RT2027	32	#	18 ... 23
15	27	3RV2021-4EA10	32	3RT2027	32	#	27 ... 30 *
18.5	34	3RV2032-4PA10	36	3RT2035	40	#	28 ... 32
22	40	3RV2032-4VA10	45	3RT2036	50	#	35 ... 42
30	55	3RV2032-4XA10	59	3RT2037	65	#	49 ... 54
37	64	3RV2032-4KA10	73	3RT2038	80	#	62 ... 70
45	77	3RV2042-4RA10	84	3RT2045	80	#	65 ... 80
45	77	3RV2042-4YA10	93	3RT2046	95	#	75 ... 93
55	95	3RV2042-4MA10	100	3RT2047	110	#	80 ... 100
55	95	3VA2216-5MN32-0AA0	160	3RT1054	115	#	63 ... 115
75	129	3VA2216-5MN32-0AA0	160	3RT1055	150	#	63 ... 140
90	151	3VA2220-5MN32-0AA0	200	3RT1056	185	#	80 ... 175
110	186	3VA2325-5MN32-0AA0	250	3RT1064	225	#	100 ... 225
132	221	3VA2440-5MN32-0AA0	400	3RT1065	265	#	160 ... 265
160	267	3VA2440-5MN32-0AA0	400	3RT1066	300	#	160 ... 300
200	332	3VA2450-5MN32-0AA0	500	3RT1075	400	#	200 ... 400
250	420	3VA2450-5MN32-0AA0	500	3RT1076	500	#	200 ... 440

\* Starting current up to 256A

\*\* Starting current up to 720A

\$ 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 MPCB respectively

@ Motor switching operations with circuit breaker 3VA are not allowed.

Alternative combinations with 3VA1 available, contact nearest sales office

For more motor feeder selection charts with various SIRIUS devices see configuration manual "Configuring SIRIUS Innovations – Selection Data for Fuseless and Fused Load Feeders", <https://support.industry.siemens.com/cs/ww/en/view/39714188>



# Fuseless selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3RV with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. MPCB / MCCB + contactor + bi-relay (+timer)
- In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/contactor/BMR, it shall be the responsibility of the person making such a change to assure Type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). For heavy starting applications (e.g. ID/FD fans, reciprocating compressor, ball mills etc.), please consult Siemens.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- All selections with MPCB are Type tested, selections with MCCB are recommended. For type tested selections & higher breaking capacity refer "Load feeder configuration manual".
- Low LCC = Low life cycle cost

## Direct-on-line feeder, for low LCC

SL motor		Circuit breaker <sup>§</sup>		Contactor		Bi-relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amp	Type	Amp	Type	Amp	Type	Set-Range Amp
0.37	1.1	3RV2011-0KA10	1.25	3RT2015	7	#	0.9 ... 1.25
0.55	1.4	3RV2011-1AA10	1.6	3RT2015	7	#	1.1 ... 1.6
0.75	1.7	3RV2011-1BA10	2	3RT2015	7	#	1.4 ... 2
1.1	2.4	3RV2011-1DA10	3.2	3RT2015	7	#	2.2 ... 3.2
1.5	3.2	3RV2011-1EA10	4	3RT2015	7	#	2.8 ... 4
2.2	4.8	3RV2011-1GA10	6.3	3RT2024	12	#	4.5 ... 6.3
3.7	7.4	3RV2011-1HA10	8	3RT2024	12	#	5.5 ... 8
4	8.5	3RV2011-1JA10	10	3RT2024	12	#	7.....10
5.5	11.5	3RV2011-1KA10	12.5	3RT2024	12	#	9 ... 12.5
7.5	15	3RV2011-4AA10	16	3RT2026	25	#	10 ... 16
11	21	3RV2021-4DA10	25	3RT2027	32	#	20 ... 25
15	29	3RV2021-4EA10	32	3RT2027	32	#	27 ... 32
18.5	34	3RV2031-4UA10	40	3RT2035	40	#	32 ... 40
22	40	3RV2032-4VA10	45	3RT2036	50	#	35 ... 45
30	57	3RV2031-4JA10	65	3RT2037	65	#	54 ... 65
37	64	3RV2031-4KA10	73	3RT2038	80	#	62 ... 73
45	77	3RV2031-4RA10	80	3RT2038	80	#	70 ... 80
55	101	3VA1112-5MH32-0AA0	125	3RT1054	115	3RU2156-5CB10-8K	90... 125
75	134	3VA1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3VA1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	190	3VA1325-5MH32-0AA0	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	228	3VA1325-5MH32-0AA0	250	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	269	3VA1332-5MH32-0AA0	320	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3VA1440-5MH32-0AA0	400	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

§ 3RV11 / 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 motor protection circuit-breaker respectively

# 3RV10/3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

Suitable for IE2/IE3/IE4 Motors

## Star-Delta feeder, for Low LCC

SL motor			Circuit breaker <sup>§</sup>		Contactor line/delta		Contactor star		Bi-relay		Timer
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	I <sub>Ph</sub> Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp	Type
5.5	11.5	6.7	3RV2321-4AC10	16	3RT2026	25	3RT2015	7	3RU2126-1HB0	5.5 - 8	3RP15
7.5	15	8.7	3RV2321-4AC10	16	3RT2026	25	3RT2015	7	3RU2126-1JB0	7-10	3RP15
11	21	12.2	3RV2321-4DC10	25	3RT2027	32	3RT2024	12	3RU2126-4AB0	11...16	3RP15
15	29	16.8	3RV2321-4EC10	32	3RT2027	32	3RT2024	12	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3RV2332-4UC10	40	3RT2035	40	3RT2027	32	3RU2136-4DB0	18 ... 25	3RP15
22	40	23.2	3RV2332-4VC10	45	3RT2036	50	3RT2027	32	3RU2136-4EB0	22 ... 32	3RP15
30	57	33.1	3RV2332-4JC10	65	3RT2037	65	3RT2035	40	3RU2136-4FB0	28 ... 40	3RP15
37	64	37.1	3RV2332-4KC10	73	3RT2038	80	3RT2035	40	3RU2136-4GB0	36 ... 45	3RP15
45	77	44.7	3RV2332-4RC10	80	3RT2038	80	3RT2035	40	3RU2136-4HB0	40 ... 50	3RP15
55	101	58.6	3VA1112-5MH32-0AA0	125	3RT1054	115	3RT2037	65	3RU2146-4JB0	45 ... 63	3RP15
75	134	77.7	3VA1216-5MH32-0AA0	160	3RT1055	150	3RT2037	65	3RU2146-4LB0	70 ... 90	3RP15
90	156	90.5	3VA1220-5MH32-0AA0	200	3RT1056	185	3RT2037	65	3RU2156-5BB10-8K	70 ... 100	3RP15
110	190	110.2	3VA1325-5MH32-0AA0	250	3RT1064	225	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	228	132.2	3VA1325-5MH32-0AA0	250	3RT1065	265	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	269	156	3VA1332-5MH32-0AA0	320	3RT1066	300	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	203	3VA1440-5MH32-0AA0	400	3RT1075	400	3RT1064	225	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	249	3VA1450-5MH32-0AA0	500	3RT1076	500	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

\*\* Starting current up to 780A



# Fuse protected selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (3KL with 3RT & 3RU)

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-Relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions (class 10 feeder). (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch Disconnecter Fuse. All fuses are DIN HRC type.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

## Direct-on-line feeder, for Low LCC

SL Motor		SDF		Fuse		Contactor		Bi-Relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	Type	Amp	Type	Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	1.1	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-0KB0	0.9 ... 1.25
0.55	1.4	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-1AB0	1.1 ... 1.6
0.75	1.7	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1BB0	1.4 ... 2
1.1	2.4	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1DB0	2.2 ... 3.2
1.5	3.2	3KL811	20	3NA78030RC	10	3RT2015	7	3RU2116-1EB0	2.8 ... 4
2.2	4.8	3KL811	20	3NA78050RC	16	3RT2015	7	3RU2116-1GB0	4.5 ... 6.3
3.7	7.4	3KL811	20	3NA78070RC	20	3RT2024	12	3RU2126-1JB0	7...10
5.5	11.2	3KL812	32	3NA78100RC	25	3RT2024	12	3RU2126-1KB0	9 ... 12.5
7.5	15	3KL812	32	3NA78120RC	32	3RT2025	17	3RU2126-4AB0	11 ...16
11	21	3KL815	63	3NA78200RC	50	3RT2027	32	3RU2126-4DB0	20 ... 25
15	28	3KL815	63	3NA78220RC	63	3RT2035	40	3RU2136-4EB0	22 ... 32
18.5	34	3KL821	100	3NA78240RC	80	3RT2035	40	3RU2136-4FB0	28 ... 40
22	40	3KL821	100	3NA78240RC	80	3RT2036	50	3RU2136-4GB0	36 ... 45
30	57	3KL821	100	3NA78300RC	100	3RT2037	65	3RU2136-4QB0	47 ... 57
37	64	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	77	3KL822	125	3NA78320RC	125	3RT2046	95	3RU2136-4RB0	70 ... 80
55	101	3KL823	160	3NA78360RC	160	3RT1054	115	3RU2156-5CB10-8K	90 ... 125
75	134	3KL831	200	3NA71400RC	200	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3KL832	250	3NA71440RC	250	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	190	3KL832	250	3NA71440RC	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	228	3KL833	315	3NA72520RC	315	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	269	3KL834	400	3NA72600RC	400	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3KL841	500	3NA33650RC	500	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3KL841	500	3NA33650RC	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

## Star-Delta feeder, for Low LCC

SL Motor			SDF		HRC Fuses		Contactor Line/Delta		Contactor Star		Bi-Relay		Timer
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	I <sub>Ph</sub> Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp	Type
4	7.8	4.5	3KL811	20	3NA78030RC	10	3RT2023	9	3RT2023	9	3RU2126-1FB0	3.5 ... 5	3RP15
5.5	11.2	6.5	3KL811	20	3NA78050RC	16	3RT2023	9	3RT2023	9	3RU2126-1HB0	5.5 ... 8	3RP15
7.5	15	9.2	3KL811	20	3NA78070RC	20	3RT2024	12	3RT2023	9	3RU2126-1JB0	7 ... 10	3RP15
11	21	12	3KL812	32	3NA78100RC	25	3RT2025	17	3RT2023	9	3RU2126-1KB0	9 ... 12.5	3RP15
15	28	16.2	3KL812	32	3NA78120RC	32	3RT2026	25	3RT2025	17	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3KL815	63	3NA78200RC	50	3RT2027	32	3RT2026	25	3RU2126-4CB0	17 ... 22	3RP15
22	40	23.2	3KL815	63	3NA78200RC	63	3RT2035	40	3RT2026	25	3RU2136-4DB0	18 ... 25	3RP15
30	57	30.6	3KL821	100	3NA78220RC	80	3RT2035	40	3RT2026	25	3RU2136-4EB0	22 ... 32	3RP15
37	64	37.5	3KL821	100	3NA78240RC	80	3RT2035	40	3RT2027	32	3RU2136-4FB0	28 ... 40	3RP15
45	77	45	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2028	40	3RU2136-4HB0	40 ... 50	3RP15
55	101	55.4	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2035	40	3RU2136-4JB0	54 ... 65	3RP15
75	134	75.6	3KL823	160	3NA78360RC	160	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	3RP15
90	156	90	3KL823	160	3NA78360RC	160	3RT2046	95	3RT2038	80	3RU2146-4LB0	70 ... 90	3RP15
110	190	113	3KL831	200	3NA71400RC	200	3RT1054	115	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	228	133	3KL832	250	3NA71440RC	250	3RT1055	150	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	269	162	3KL833	315	3NA72520RC	315	3RT1056	185	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	202	3KL834	400	3NA72600RC	400	3RT1064	225	3RT1056	185	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	248	3KL841	500	3NA33650RC	500	3RT1075	400	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

## Available till stocks last

## Motor protection circuit breakers - 3VU

MPCBs for motor and plant protection

Overload release range A	Type (w/o aux. contact)	Unit LP ₹	Type (with 1NO+1NC)	Unit LP ₹	Std. pkg. (nos.)
0.1 - 0.16 0.16 - 0.24 0.24 - 0.4	3VU1340-0MB00 3VU1340-0MC00 3VU1340-0MD00	6505.-	3VU1340-1MB00 3VU1340-1MC00 3VU1340-1MD00	7810.-	1 1 1
0.4 - 0.6 0.6 - 1	3VU1340-0ME00 3VU1340-0MF00	7560.-	■ 3VU1340-1ME00 ■ 3VU1340-1MF00	8880.-	1 1
1 - 1.6 1.6 - 2.4	3VU1340-0MG00 3VU1340-0MH00	7625.-	■ 3VU1340-1MG00 ■ 3VU1340-1MH00	8935.-	1 1
2 - 3.2 2.4 - 4 3.2 - 5 4 - 6 5 - 8 6 - 10	3VU1340-0NH00 3VU1340-0MJ00 3VU1340-0NJ00 3VU1340-0MK00 3VU1340-0NK00 3VU1340-0ML00	7980.-	■ 3VU1340-1NH00 ■ 3VU1340-1MJ00 ■ 3VU1340-1NJ00 ■ 3VU1340-1MK00 ■ 3VU1340-1NK00 ■ 3VU1340-1ML00	9130.-	1 1 1 1 1 1
8 - 13 10 - 16 14 - 20	3VU1340-0NL00 3VU1340-0MM00 3VU1340-0MN00	9260.- 9260.- 9430.-	■ 3VU1340-1NL00 ■ 3VU1340-1MM00 ■ 3VU1340-1MN00	10400.- 10400.- 10595.-	1 1 1
18 - 25	3VU1340-0MP00	10925.-	■ 3VU1340-1MP00	12080.-	1
6 - 10 10 - 16	3VU1640-0ML00 3VU1640-0MM00	17710.- 17710.-	■ 3VU1640-1ML00 ■ 3VU1640-1MM00	18850.- 18850.-	1 1
16 - 25 22 - 32	3VU1640-0MN00 3VU1640-0MP00	21510.- 21510.-	■ 3VU1640-1MN00 ■ 3VU1640-1MP00	22690.- 22690.-	1 1
28 - 40 36 - 52	3VU1640-0MQ00 3VU1640-0MR00	23085.- 23085.-	■ 3VU1640-1MQ00 ■ 3VU1640-1MR00	24255.- 24255.-	1 1
45 - 63 <sup>#</sup>	3VU1640-0LS00	27450.-	3VU1640-1LS00	28635.-	1

# Circuit-breakers for plant protection

## Circuit breakers with aux. 1NO+1NC, for fuse monitoring

Rated current In A	Overload release range A	Shortcircuit release setting A	Type	Unit LP ₹	Std. pkg. (nos.)
0.2	0.2	1.2	■ 3VU1340-1MS00	7810.-	1

## Circuit breakers with aux. 1NO+1NC, for line-side protection of transformers with high inrush current

Rated current In A	Overload release range A	Shortcircuit release setting A	Type	Unit LP ₹	Std. pkg. (nos.)
0.6	0.4 - 0.6	12	3VU1340-1TE00	12415.-	1
1	0.6 - 1	15	3VU1340-1TF00		1
1.6	1 - 1.6	29	3VU1340-1TG00		1
2.4	1.6 - 2.4	48	3VU1340-1TH00		1
4	2.4 - 4	72	3VU1340-1TJ00		1
6	4 - 6	120	3VU1340-1TK00		1
10	6 - 10	190	3VU1340-1TL00		1
16	10 - 16	300	3VU1340-1TM00		1
20	14 - 20	300	3VU1340-1TN00		1



## Accessories for 3VS/3VU

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
50 kA current limiter for 3VS13/3VU13 only	Rated current = 56 A aux contacts 1NO+1NC	3VU9138-2AB00	10915.-	1

## Available till stocks last



### 3RW40

From 75 - 250 kW

- Soft start, soft stop, adjustable current limit.
- Integrated bypass contact system
- Integrated microprocessor based overload relay with adjustable trip class 10/15/20.
- Intrinsic device protection to protect against thermal overloading of thyristors.
- Integrated state and fault monitoring
- Innovative 2-phase "Polarity Balancing" operation



### 3RW44

From 22 - 1200 kW

- Coated Circuit board for better withstanding in harsh environments
- Torque control, Adjustable current limiting
- Graphical display (LCD) with background illumination
- Optional communication modules (PROFINET/PROFIBUS DP)
- Programmable 4 inputs and 3 outputs.
- Integrated motor overload protection with adjustable trip class 5/10/15/20/30 and device self-protection
- Integrated bypass contact system
- Integrated state and fault monitoring
- Standard circuit (in-line) and inside-the-delta circuit
- Creep speed / inching mode / brake function

#### 3RW40: for standard applications

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200...460	75	134 / 117 / 100	3RW4055-6BB†4	228840.-	1
200...460	90	162 / 145 / 125	3RW4056-6BB†4	282695.-	1
200...460	132	230 / 205 / 180	3RW4073-6BB†4	323070.-	1
200...460	160	280 / 248 / 215	3RW4074-6BB†4	390390.-	1
200...460	200	356 / 315 / 280	3RW4075-6BB†4	448700.-	1
200...460	250	432 / 385 / 335	3RW4076-6BB†4	490780.-	1

† Control voltage code:

• 115V AC 3

• 230V AC 4

#### 3RW44: for heavy duty applications

Rated operating voltage U <sub>e</sub> , in line circuit V AC	Motor rating at 415V, 40°C, normal starting, (in line circuit) kW	Motor rating at 415V, 40°C, normal starting, (in delta circuit) kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type*	Unit LP ₹	Std. pkg. (nos)
200...460	15	22	29 / 26 / 23	3RW4422-1BC\$4	130365.-	1
200...460	18.5	30	36 / 32 / 29	3RW4423-1BC\$4	153650.-	1
200...460	22	45	47 / 42 / 37	3RW4424-1BC\$4	162960.-	1
200...460	30	55	57 / 51 / 45	3RW4425-1BC\$4	195540.-	1
200...460	37	75	77 / 68 / 59	3RW4426-1BC\$4	232800.-	1
200...460	45	90	98 / 82 / 72	3RW4427-1BC\$4	293310.-	1
200...460	55	110	113 / 100 / 88	3RW4434-6BC\$4	339875.-	1
200...460	75	132	134 / 117 / 100	3RW4435-6BC\$4	372485.-	1
200...460	90	160	162 / 145 / 125	3RW4436-6BC\$4	384480.-	1
200...460	110	200	203 / 180 / 156	3RW4443-6BC\$4	397465.-	1
200...460	132	250	250 / 215 / 185	3RW4444-6BC\$4	431525.-	1
200...460	160	315	313 / 280 / 250	3RW4445-6BC\$4	465585.-	1
200...460	200	355	356 / 315 / 280	3RW4446-6BC\$4	549390.-	1
200...460	250	400	432 / 385 / 335	3RW4447-6BC\$4	624590.-	1
230...460	315	560	551 / 494 / 438	3RW4453-6BC\$4	899425.-	1
230...460	355	630	615 / 551 / 489	3RW4454-6BC\$4	1190415.-	1
230...460	400	710	693 / 615 / 551	3RW4455-6BC\$4	1343850.-	1
230...460	450	800	780 / 693 / 615	3RW4456-6BC\$4	1481415.-	1
230...460	500	900	880 / 780 / 693	3RW4457-6BC\$4	1550190.-	1
230...460	560	1000	970 / 850 / 760	3RW4458-6BC\$4	1677160.-	1
230...460	630	1100	1076 / 970 / 880	3RW4465-6BC\$4	1936415.-	1
230...460	710	1200	1214 / 1076 / 970	3RW4466-6BC\$4	2195665.-	1

\$ Control voltage code:

• 115V AC 3

• 230V AC 4

- For 3RW44 with operating voltage U<sub>e</sub> 400...600V AC Change the last digit of MLFB from "4" to "5" - Price on request.

- For 3RW44 with operating voltage U<sub>e</sub> 400...690V AC: Change the last digit of MLFB from "4" to "6" - Price on request.

## Accessories for 3RW44

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Profibus communication module	3RW49000KC00	30085.-	1
Profinet communication module	3RW49000NC00	51895.-	1
External display and operating module	3RW49000AC00	27335.-	1

Note: Commissioning service is available at extra cost.

The Sirius 3RW30/40/44 soft starters are designed for normal starting conditions.

$J_{load} < 10 \times J_{motor}$

In the event of deviating conditions or higher switching frequency, it may be necessary to choose a larger unit.

Siemens recommends use of selection and simulation program [Simulation Tool for Soft Starters \(STS\)](#).

LP - List Price

Description	Type	Unit LP ₹	Std. pkg. (nos.)
PC cable for PC/PG communication - USB connection	3UF79410AA00-0	14035.-	1
- Connection cable for external display module (0.5 mtr - flat)	3UF79320AA00-0	1749.-	1
- Connection cable for external display module (1 mtr - round)	3UF79370BA00-0	4423.-	1
- Connection cable for external display module (2.5 mtr - round)	3UF79330BA00-0	4762.-	1

Refer technical specifications for more details.

For more details, please visit: [www.siemens.com/softstarter](http://www.siemens.com/softstarter)

# Discontinued

## Power Contactors - SICOP 3TF

DC Coil	
Auxiliary contacts	Type Pl. fill in coil voltage code
2NO + 2NC <sup>5</sup>	3TF4602-0D..ZA01
2NO + 2NC <sup>5</sup>	3TF4702-0D..ZA01
2NO + 2NC <sup>5</sup>	3TF4702-0D..ZT00
2NO + 2NC <sup>5</sup>	3TF4772-0D..
2NO + 2NC <sup>5</sup>	3TF4822-0D..ZA01
2NO + 2NC <sup>5</sup>	3TF4922-0D..ZA01
2NO + 2NC <sup>5</sup>	3TF5002-0D..
2NO + 2NC <sup>5</sup>	3TF5102-0D..
2NO + 2NC <sup>5</sup>	3TF5202-0D..
2NO + 2NC <sup>5</sup>	3TF5302-0D..
2NO + 2NC <sup>5</sup>	3TF5402-0D..
2NO + 2NC <sup>5</sup>	3TF5502-0D..
2NO + 2NC <sup>5</sup>	3TF5602-0D..

## Spares for SICOP and SICONT<sup>Plus</sup> Contactors

### DC coils

For contactor	Type
3TF46/47/477	3TY7463-0D..
3TF48/49	3TY7483-0D..
3TF50/51	3TY7503-0D..
3TF52/53	3TY7523-0D..
3TF54/55	3TY7543-0D..
3TF56	3TY7563-0D..

## Accessory of 3RT2 - Pneumatic delay blocks

### Pneumatic delay blocks

for snapping onto the front of size S0 contactors

For Contactor	Function	Auxiliary contacts	Time setting range t Sec	Type
3RT2.2	ON-Delay	1NO + 1NC	0.1 ... 30	3RT2926-2PA01
			1 ... 60	3RT2926-2PA11
	OFF-Delay	1NO + 1NC	0.1 ... 30	3RT2926-2PR01
			1 ... 60	3RT2926-2PR11

## 3RT1(S3) and Spare Coils

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	AC Coil Type
<b>3RT1 Size S3 Contactor</b>				
S3	65	30	-	3RT1044-1A..08K
	80	37	-	3RT1045-1A..08K
	95	45	-	3RT1046-1A..08K

## Magnetic coils for 3RT1 (S3)

Size	AC Coil		
	Contactor type	Rated control supply voltage U <sub>c</sub> at 50/60 Hz V AC	Type
S3	3RT10 44	24V	3RT1944-5AC21
		110V	3RT1944-5AG21
		230V	3RT1944-5AL21
		400V	3RT1944-5AV01
	3RT10 45/46 3RT13 4. 3RT14 46 3RT15 4.	24V	3RT1945-5AC21
		110V	3RT1945-5AG21
		230V	3RT1945-5AL21
		400V	3RT1945-5AV01

## Contacts with fixing parts

1 set = 3 moving and 6 fixed switching contacts with fixing parts

Size	Contactor type	Type
S3	3RT10 44	3RT1944-6A
	3RT10 45	3RT1945-6A
	3RT10 46	3RT1946-6A

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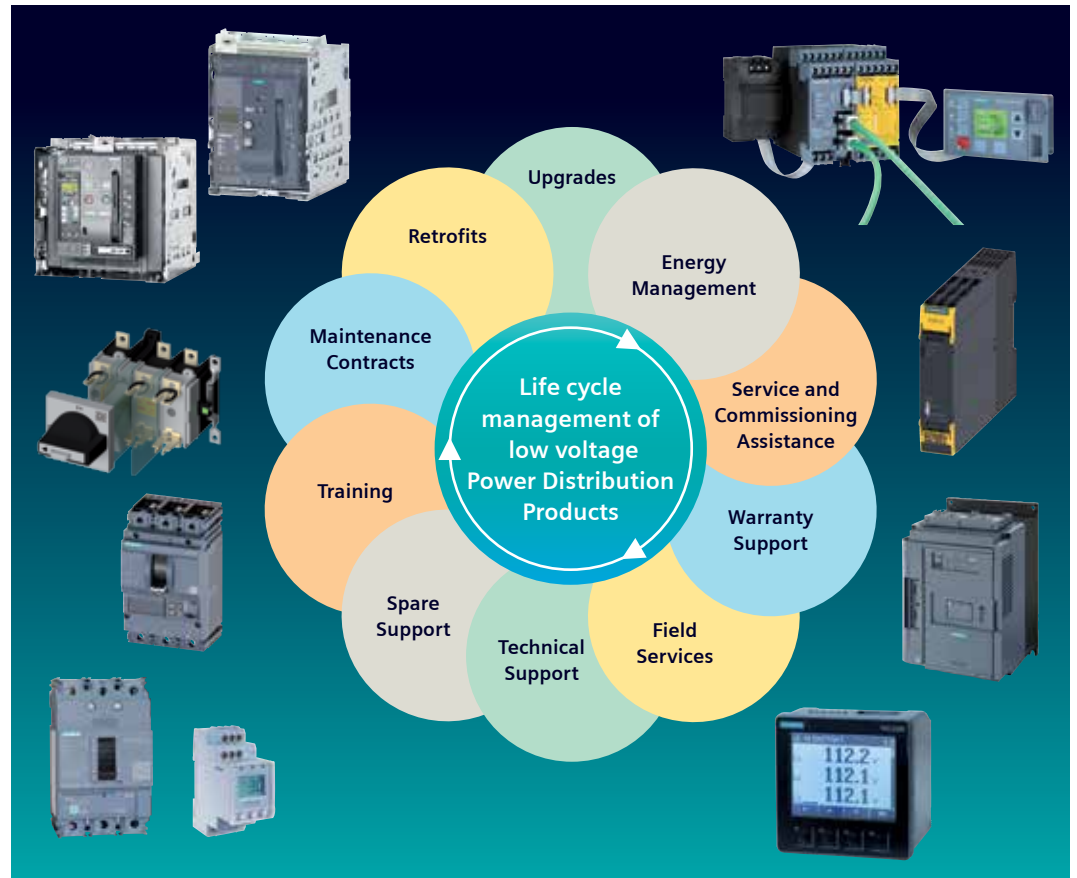


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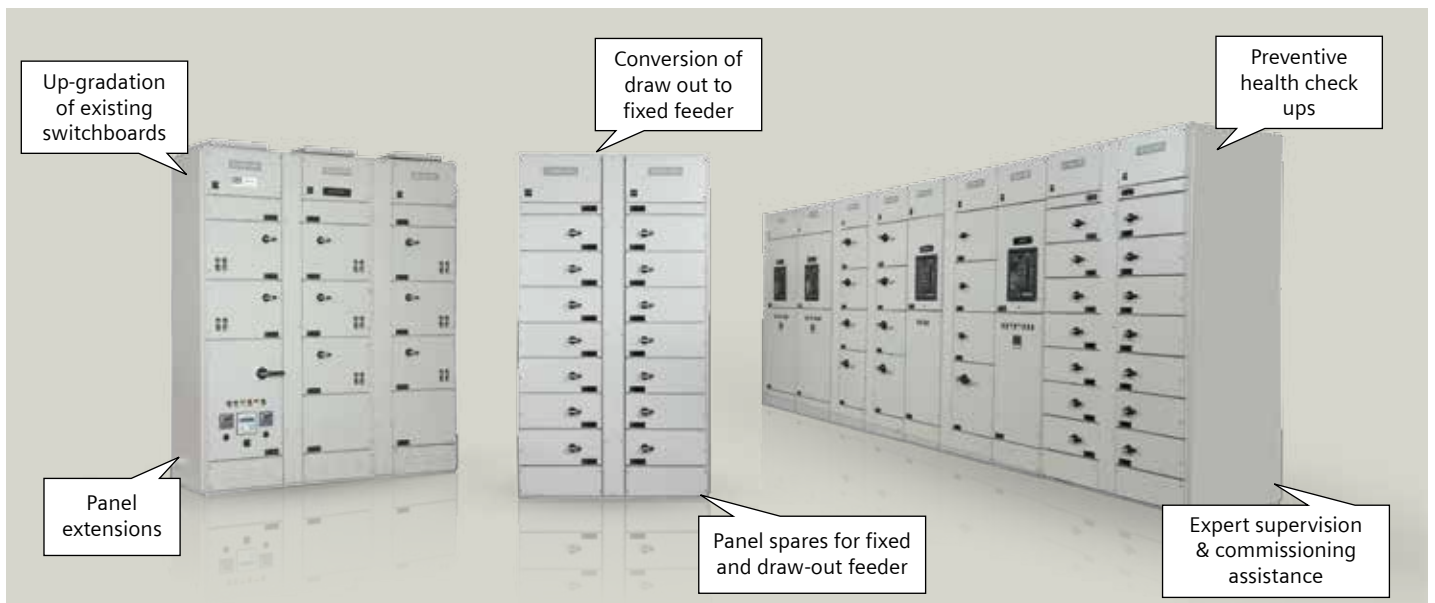
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# LIST OF SITRAIN - INDIA TRAINING CENTERS

(including Training Service Providers, TSPs)

Course No.	Title	Duration
<b>Classroom Courses - Automation</b>		
AS-1200	SIMATIC S7-1200 with STEP7 V15.1	5
AS-1500A	SIMATIC S7-1500 with TIA V15 Advance	3
AS-1500B	SIMATIC S7-1500 with TIA V15 Basic	5
AS-300400A	SIMATIC S7-300/400 Advance with STEP7	6
AS-300A	SIMATIC S7-300 with STEP7 V5.6 Advance	3
AS-300B	SIMATIC S7-300 with STEP7 V5.6 Basic	5
AS-400A	SIMATIC S7-400 with STEP7 V5.6 Advance	3
AS-400B	SIMATIC S7-400 with STEP7 V5.6 Basic	5
AS-F&B_2	Training on WinCC Comfort-Advance V15.1_F&B 2 Days	2
AS-F&B_3	Training on SCADA with WinCC V7.5_F&B 3 Days	3
AS-NTW	Networking on Profibus/Profinet with V5.6	5
AS-PCS7A	DCS: SIMATIC PCS 7 Advance	10
AS-PCS7AS	DCS: SIMATIC PCS7 AS ENGINEERING	5
AS-PCS7B	DCS: SIMATIC PCS 7 Basic	10
AS-PCS7OS	DCS: SIMATIC PCS7 OS ENGINEERING	5
AS-PHARMA2	Training on WinCC Comfort-Advanced on TIA V15.1_Pharma 2 Days	2
AS-PHARMA3	Training on SCADA with WinCC V7.5_Pharma 3 Days	3
AS-PI	Process Instrumentation	4
AS-SFM	SIMATIC Distributed (Machine Safety) course	3
AS-SFP	SIMATIC Fail-safe (Process Safety) course	3
AS-ST57GRA	SIMATIC S7 Graph	2
AS-ST57SCL	SCL Programming	3
AS-ST57STL	STL Programming Language	3
AS-TNTW	Networking on Profibus/Profinet with TIA Portal V15.1	3
AS-TWINCCB	SIMATIC WinCC (TIA Portal) Professional V15.1	5

Course No.	Title	Duration
AS-VASS	VASS Training	12
AS-WINCCA	SIMATIC WinCC V7.x Advance	3
AS-WINCCB	SIMATIC WinCC V7.x Basic	5
AS-PHARMA3	Training on SCADA with WinCC V7.5_Pharma	3
AS-PHARMA2	Training on WinCC Comfort-Advanced on TIA V15.1_Pharma 2	2
AS-F&B_2	Training on WinCC Comfort-Advance V15.1_F&B	2
AS-F&B_3	Training on SCADA with WinCC V7.5_F&B 3 Days	3
<b>Classroom Courses - Drives</b>		
DR-BDT	Basic course on AC/DC Drives	5
DR-DC70	SIMOREG DC Master 6RA70	6
DR-DCM	SINAMICS DC Master 6RA80	6
DR-G120	SINAMICS G120 with STARTER	5
DR-G12TIA	SINAMICS G120 With TIA Portal	4
DR-G130	SINAMICS G130 / G150	6
DR-GH180	SINAMICS Perfect Harmony GH180	5
DR-MDVC	AC Drive: SIMOVERT Master Drive Vector Control	6
DR-MM4	AC Drives with MM4 Maintenance	5
DR-OLS120B	Online Training - SINAMICS S120 Basic	5
DR-S120ADV	SINAMICS S120 Advance	5
DR-S120BAS	SINAMICS S120 Basic	5
DR-S12SAF	SINAMICS S120 Safety Functions	3
DR-SIMOADV	SIMOTION Advance	5
DR-SIMOBAS	SIMOTION Basic	5
DR-V20	SINAMICS V20	3
DR-V90	SINAMICS V90	3
AP-CRANE	Application Based Crane Training	5
<b>Classroom Courses - Switchgear</b>		
LV-BAS	Communication in Switchgear	3
LV-IM	AC Motor Basics Control & Maintenance	3
LV-PAC	Sentron PAC Meter	2
LV-SM	SIMOCODE AC-Motor control	3
LV-SS	SIRIUS Soft Starter	2
LV-SWPC	LV Switchgear Products & Coordination	4

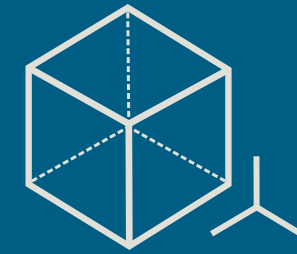
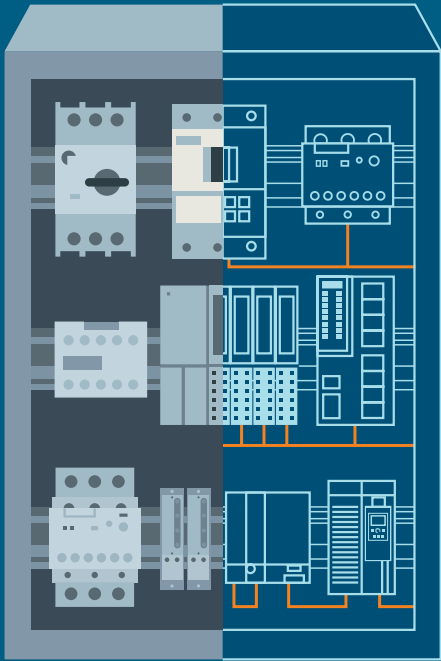
Course No.	Title	Duration
LV-SWPD	LV Switchgear Products, Distribution & Panel	4
MV-NR	Training on Numerical relays	4
MV-VCB	Training on VCB	2
<b>Online Trainings</b>		
<b>SIMATIC – Classic STEP 7 and WinCC</b>		
AS-OL400B	SIMATIC S7-400 with SIMATIC Manager (Basic Course)	5 Days
AS-OL400A	SIMATIC S7-400 with SIMATIC Manager (Advance Course)	3 Days
AS-OL-WINC	SIMATIC WinCC SCADA V7 (Basic Course)	5 Days
AS-OL1500B	SIMATIC S7-1500 with TIA Portal (Basic Course)	5 Days
AS-OL1500A	SIMATIC S7-1500 with TIA Portal (Advance Course)	5 Days
OL-DIGIEPC	DigIEPC Program for Indian EPC professionals	3 Days
AS-OL-WINT	SIMATIC WinCC SCADA (WinCC Prof) in the TIA Portal	5 Days
AS-TIA150F	SIMATIC Distributed Safety on S7-1500F With TIA Portal **New**	3 Days
<b>Digital Enterprise for the Factory Automation</b>		
DIGI-IN4.0	Introduction to Industry 4.0	3 Days
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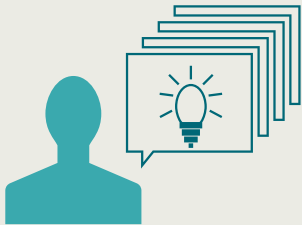
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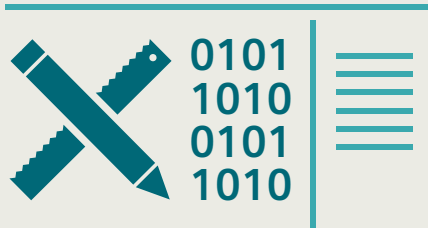
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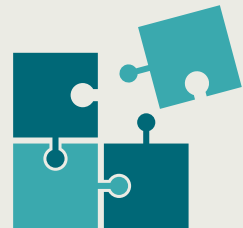
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