

An aerial view of a city skyline, likely Shanghai, with numerous skyscrapers. Overlaid on the city are glowing blue digital network lines and nodes, representing a smart grid or power distribution system. The sky is filled with soft, grey clouds, and the overall color palette is dominated by blues and greys.

**SIEMENS**

*Ingenuity for life*

Your trusted partner for  
reliable power

Low Voltage Power Distribution products

Price List w.e.f. 1<sup>st</sup> December, 2019

## LIST OF SITRAIN - INDIA TRAINING CENTERS (including Training Service Providers, TSPs)

Title	Days
<b>Training Programmes on Automation</b>	
SIMATIC S71200 with TIA V15	5
SIMATIC S7300 with STEP7 V5.x Basic	5
SIMATIC S7400 with STEP7 V5.x Basic	5
SIMATIC WinCC Explorer V7.x Basic	5
SIMATIC WinCC Explorer V7.x Advance	3
SIMATIC WinCC (TIA Portal) Professional V15	5
SIMATIC S71500 with TIA V15 Basic	5
SIMATIC S71500 with TIA V15 Advance	3
SIMATIC S7300 with STEP7 V5.x Advance	3
SIMATIC S7400 with STEP7 V5.x Advance	3
Networking on PROFIBUS/PROFINET with V5.x	5
Networking on PROFIBUS/PROFINET with TIA Portal V15	3
DCS: SIMATIC PCS7 Basic	10
DCS: SIMATIC PCS7 Advance	10
SIMATIC Distributed (Machine Safety) course	3
SIMATIC Fail-safe (Process Safety) course	3
SIMATIC Industrial Identification	3
SIMATIC Industrial Communication	2
Industrial Networking	3
SCL with STEP7 Classic V5.6	On Request
SCL with TIA Portal V15	
PCS7 CEMAT	

Title	Days
S7Graph with STEP7 Classic V5.6	On Request
S7Graph with TIA Portal V15	Request
<b>Training Programmes on Digitalization</b>	
Digitalization Auto Engineering	5
Digitalization_Stand_SiVArc	3
<b>Training Programmes on Process Instrumentation</b>	
Process Instrumentation	4
<b>Training Programmes on Drive</b>	
G120 with STARTER	5
SINAMICS G120 with TIA Portal	4
SINAMICS G130/G150	6
SINAMICS S120 Basic	5
SINAMICS S120 Advance	5
SINAMICS S120 Safety functions	3
SIMOTION Basic	5
SIMOTION Advance	5
SINAMICS V90	3
SINAMICS V20	3
SINAMICS DC Master 6RA80	6
SINAMICS Perfect Harmony GH180	5
Application Based Crane Training	5
Basic Course on AC/DC Drive	5
Basic AC Drive with MM4 Maintenance	5

Title	Days
AC Drive SIMOVERT Masterdrive Vector control	6
SIMOREG DC Master 6RA70	6
SIMOTRAS HD	5
SINAMICS GM/GL/SL	On request
<b>Training Programmes on LV Switchgear</b>	
LV Switchgear Products & Coordination	4
LV Switchgear Products, Distribution & Panel	4
SIMOCODE AC-Motor control	3
Basic Automation for Switchgear User	3
AC Motor Basics Control & Maintenance	3
SIRIUS Soft Starter	2
Sentron PAC Meter	2
Sentron Power Manager	On Request
AC MV Motor	Request
<b>Training Programmes for College</b>	
CU PLC	3
CU SCADA	3
CU AC/DC Drive	4
CU PI	3
CU LV Switchgear	3
CU Motor	2
CU Mechatronics	18

### SITRAIN Training Executors in India (Address & Contacts)

**SITRAIN India (Kalwa)**  
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E-mail: customer.training.in@siemens.com

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**STE-South-2 (Hyderabad)**  
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Tel: +91-40-66776353/040-66386352  
E-mail: hydte@esskay.in

**STE-WEST 2 (Digha)**  
Christiani Sharpline Technical Training (P) Ltd.  
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Vishnu Nagar, Dighe  
Navi Mumbai - 400708  
Tel: +91-22-39154101/105  
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**STE-East (Kolkata)**  
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**STE-South-3 (Chennai)**  
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**STE-Central (Bhilai)**  
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E-mail: arttech.bhilai@gmail.com

**STE - SOUTH 1 (Coimbatore)**  
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**STE-WEST 1 (Navi-Mumbai)**  
Esskay Services  
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Mahape, Navi Mumbai - 460710  
Tel: +91-22-27788403  
E-mail: mumtc@esskay.in

For information on prices of below products please refer to the  
LV Switchgear Motor Control Products valid Price List



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**IEC**

## 3VA moulded case circuit breakers

Discover the perfect system

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

## MCCB: SENTRON 3VA

- Rated current: 16A to 1000A
- 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	7605.-	3VA1096-2ED42-0AA0	9860.-
		20	3VA1020-2ED32-0AA0	7605.-	3VA1020-2ED42-0AA0	9860.-
		25	3VA1025-2ED32-0AA0	7605.-	3VA1025-2ED42-0AA0	9860.-
		32	3VA1032-2ED32-0AA0	7605.-	3VA1032-2ED42-0AA0	9860.-
		40	3VA1040-2ED32-0AA0	7605.-	3VA1040-2ED42-0AA0	9860.-
		50	3VA1050-2ED32-0AA0	7605.-	3VA1050-2ED42-0AA0	9860.-
		63	3VA1063-2ED32-0AA0	7605.-	3VA1063-2ED42-0AA0	9860.-
		80	3VA1080-2ED32-0AA0	8320.-	3VA1080-2ED42-0AA0	10800.-
3VA10	25kA	100	3VA1010-2ED32-0AA0	9625.-	3VA1010-2ED42-0AA0	12540.-
		16	3VA1096-3ED32-0AA0	7805.-	3VA1096-3ED42-0AA0	10190.-
		20	3VA1020-3ED32-0AA0	7805.-	3VA1020-3ED42-0AA0	10190.-
		25	3VA1025-3ED32-0AA0	7805.-	3VA1025-3ED42-0AA0	10190.-
		32	3VA1032-3ED32-0AA0	7805.-	3VA1032-3ED42-0AA0	10190.-
		40	3VA1040-3ED32-0AA0	7805.-	3VA1040-3ED42-0AA0	10190.-
		50	3VA1050-3ED32-0AA0	7805.-	3VA1050-3ED42-0AA0	10190.-
		63	3VA1063-3ED32-0AA0	7805.-	3VA1063-3ED42-0AA0	10190.-
3VA11	25kA	80	3VA1080-3ED32-0AA0	8495.-	3VA1080-3ED42-0AA0	11055.-
		100	3VA1010-3ED32-0AA0	9830.-	3VA1010-3ED42-0AA0	12795.-
3VA11	25kA	125	3VA1112-3ED32-0AA0	16570.-	3VA1112-3ED42-0AA0	21515.-
		160	3VA1116-3ED32-0AA0	19275.-	3VA1116-3ED42-0AA0	25085.-
3VA10	36kA	16	3VA1096-4ED32-0AA0	8240.-	3VA1196-4GD42-0AA0	11405.-
		20	3VA1020-4ED32-0AA0	8240.-	3VA1120-4GD42-0AA0	11405.-
		25	3VA1025-4ED32-0AA0	8240.-	3VA1125-4GD42-0AA0	11405.-
		32	3VA1032-4ED32-0AA0	8240.-	3VA1132-4GD42-0AA0	11405.-
		40	3VA1040-4ED32-0AA0	8240.-	3VA1140-4GD42-0AA0	11405.-
		50	3VA1050-4ED32-0AA0	8240.-	3VA1150-4GD42-0AA0	11405.-
		63	3VA1063-4ED32-0AA0	8240.-	3VA1163-4GD42-0AA0	11405.-
		80	3VA1080-4ED32-0AA0	8650.-	3VA1180-4GD42-0AA0	12510.-
3VA11	36kA	100	3VA1010-4ED32-0AA0	10035.-	3VA1110-4GD42-0AA0	14450.-
		125	3VA1112-4ED32-0AA0	17990.-	3VA1112-4GD42-0AA0	23385.-
3VA11	36kA	160	3VA1116-4ED32-0AA0	20975.-	3VA1116-4GD42-0AA0	27275.-
		16	3VA1196-5ED32-0AA0	9660.-	3VA1196-5GD42-0AA0	12540.-
3VA11	55kA	20	3VA1120-5ED32-0AA0	9660.-	3VA1120-5GD42-0AA0	12540.-
		25	3VA1125-5ED32-0AA0	9660.-	3VA1125-5GD42-0AA0	12540.-
		32	3VA1132-5ED32-0AA0	9660.-	3VA1132-5GD42-0AA0	12540.-
		40	3VA1140-5ED32-0AA0	9660.-	3VA1140-5GD42-0AA0	12540.-
		50	3VA1150-5ED32-0AA0	9660.-	3VA1150-5GD42-0AA0	12540.-
		63	3VA1163-5ED32-0AA0	9660.-	3VA1163-5GD42-0AA0	12540.-
		80	3VA1180-5ED32-0AA0	10595.-	3VA1180-5GD42-0AA0	13770.-
		100	3VA1110-5ED32-0AA0	12270.-	3VA1110-5GD42-0AA0	15915.-
		125	3VA1112-5ED32-0AA0	19770.-	3VA1112-5GD42-0AA0	25695.-
		160	3VA1116-5ED32-0AA0	23050.-	3VA1116-5GD42-0AA0	29995.-

<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	9915.-	3VA1196-3GE42-0AA0	14200.-	
		20	3VA1120-3EE32-0AA0	9915.-	3VA1120-3GE42-0AA0	14200.-	
		25	3VA1125-3EE32-0AA0	9915.-	3VA1125-3GE42-0AA0	14200.-	
		32	3VA1132-3EE32-0AA0	9915.-	3VA1132-3GE42-0AA0	14200.-	
		40	3VA1140-3EE32-0AA0	9915.-	3VA1140-3GE42-0AA0	14200.-	
		50	3VA1150-3EE32-0AA0	9915.-	3VA1150-3GE42-0AA0	14200.-	
		63	3VA1163-3EE32-0AA0	9915.-	3VA1163-3GE42-0AA0	14200.-	
		80	3VA1180-3EE32-0AA0	9915.-	3VA1180-3GE42-0AA0	14200.-	
		100	3VA1110-3EE32-0AA0	10595.-	3VA1110-3GE42-0AA0	14200.-	
		125	3VA1112-3EE32-0AA0	17990.-	3VA1112-3GE42-0AA0	22150.-	
160	3VA1116-3EE32-0AA0	19845.-	3VA1116-3GE42-0AA0	25730.-			
3VA11	36kA	16	3VA1196-4EE32-0AA0	12240.-	3VA1196-4GE42-0AA0	16020.-	
		20	3VA1120-4EE32-0AA0	12240.-	3VA1120-4GE42-0AA0	16020.-	
		25	3VA1125-4EE32-0AA0	12240.-	3VA1125-4GE42-0AA0	16020.-	
		32	3VA1132-4EE32-0AA0	12240.-	3VA1132-4GE42-0AA0	16020.-	
		40	3VA1140-4EE32-0AA0	12240.-	3VA1140-4GE42-0AA0	16020.-	
		50	3VA1150-4EE32-0AA0	12240.-	3VA1150-4GE42-0AA0	16020.-	
		63	3VA1163-4EE32-0AA0	12240.-	3VA1163-4GE42-0AA0	16020.-	
		80	3VA1180-4EE32-0AA0	12240.-	3VA1180-4GE42-0AA0	16020.-	
		100	3VA1110-4EE32-0AA0	12240.-	3VA1110-4GE42-0AA0	16020.-	
		125	3VA1112-4EE32-0AA0	18840.-	3VA1112-4GE42-0AA0	23995.-	
160	3VA1116-4EE32-0AA0	21555.-	3VA1116-4GE42-0AA0	27975.-			
3VA12	36kA	200	3VA1220-4EE32-0AA0	27195.-	3VA1220-4GE42-0AA0	33510.-	
250		3VA1225-4EE32-0AA0	28830.-	3VA1225-4GE42-0AA0	36200.-		
3VA13		320	3VA1332-4EE32-0AA0	38655.-	3VA1332-4GE42-0AA0	50045.-	
3VA14		400	3VA1340-4EE32-0AA0	38655.-	3VA1340-4GE42-0AA0	50045.-	
		500	3VA1450-4EE32-0AA0	49890.-	3VA1450-4GE42-0AA0	64635.-	
3VA11		55kA	630	3VA1463-4EE32-0AA0	49890.-	3VA1463-4GE42-0AA0	64635.-
			16	3VA1196-5EE32-0AA0	13950.-	3VA1196-5GE42-0AA0	17625.-
			20	3VA1120-5EE32-0AA0	13950.-	3VA1120-5GE42-0AA0	17625.-
			25	3VA1125-5EE32-0AA0	13950.-	3VA1125-5GE42-0AA0	17625.-
			32	3VA1132-5EE32-0AA0	13950.-	3VA1132-5GE42-0AA0	17625.-
	40		3VA1140-5EE32-0AA0	13950.-	3VA1140-5GE42-0AA0	17625.-	
	50		3VA1150-5EE32-0AA0	13950.-	3VA1150-5GE42-0AA0	17625.-	
	63		3VA1163-5EE32-0AA0	13950.-	3VA1163-5GE42-0AA0	17625.-	
	80		3VA1180-5EE32-0AA0	13950.-	3VA1180-5GE42-0AA0	17625.-	
	100		3VA1110-5EE32-0AA0	13950.-	3VA1110-5GE42-0AA0	17625.-	
125	3VA1112-5EE32-0AA0	21905.-	3VA1112-5GE42-0AA0	26305.-			
160	3VA1116-5EE32-0AA0	23700.-	3VA1116-5GE42-0AA0	30585.-			
3VA12	55kA	200	3VA1220-5EE32-0AA0	28320.-	3VA1220-5GE42-0AA0	34590.-	
250		3VA1225-5EE32-0AA0	30025.-	3VA1225-5GE42-0AA0	38040.-		
3VA13		320	3VA1332-5EE32-0AA0	44080.-	3VA1332-5GE42-0AA0	55220.-	
3VA14		400	3VA1340-5EE32-0AA0	44080.-	3VA1340-5GE42-0AA0	55220.-	
		500	3VA1450-5EE32-0AA0	57010.-	3VA1450-5GE42-0AA0	71220.-	
3VA15		630	3VA1463-5EE32-0AA0	57010.-	3VA1463-5GE42-0AA0	71220.-	
		800# <b>NEW</b>	3VA1580-5EF32-0AA0	85180.-	3VA1580-5GF42-0AA0	110385.-	
		1000# <b>NEW</b>	3VA1510-5EF32-0AA0	118995.-	3VA1510-5GF42-0AA0	154410.-	
3VA11		70kA	16	3VA1196-6EE32-0AA0	19080.-	3VA1196-6GE42-0AA0	23985.-
			20	3VA1120-6EE32-0AA0	19080.-	3VA1120-6GE42-0AA0	23985.-
	25		3VA1125-6EE32-0AA0	19080.-	3VA1125-6GE42-0AA0	23985.-	
	32		3VA1132-6EE32-0AA0	19080.-	3VA1132-6GE42-0AA0	23985.-	
	40		3VA1140-6EE32-0AA0	19080.-	3VA1140-6GE42-0AA0	23985.-	
	50		3VA1150-6EE32-0AA0	19080.-	3VA1150-6GE42-0AA0	23985.-	
	63		3VA1163-6EE32-0AA0	19080.-	3VA1163-6GE42-0AA0	23985.-	
	80		3VA1180-6EE32-0AA0	19080.-	3VA1180-6GE42-0AA0	23985.-	
	100		3VA1110-6EE32-0AA0	19080.-	3VA1110-6GE42-0AA0	23985.-	
	125		3VA1112-6EE32-0AA0	35480.-	3VA1112-6GE42-0AA0	38045.-	
160	3VA1116-6EE32-0AA0	35480.-	3VA1116-6GE42-0AA0	38045.-			
3VA12	70kA	200	3VA1220-6EE32-0AA0	38190.-	3VA1220-6GE42-0AA0	49135.-	
250		3VA1225-6EE32-0AA0	38190.-	3VA1225-6GE42-0AA0	49135.-		
3VA13		320	3VA1332-6EE32-0AA0	48320.-	3VA1332-6GE42-0AA0	62465.-	
3VA14		400	3VA1340-6EE32-0AA0	48320.-	3VA1340-6GE42-0AA0	62465.-	
		500	3VA1450-6EE32-0AA0	68685.-	3VA1450-6GE42-0AA0	89045.-	
3VA15		630	3VA1463-6EE32-0AA0	68685.-	3VA1463-6GE42-0AA0	89045.-	
		800# <b>NEW</b>	3VA1580-6EF32-0AA0	93795.-	3VA1580-6GF42-0AA0	121550.-	
		1000# <b>NEW</b>	3VA1510-6EF32-0AA0	130800.-	3VA1510-6GF42-0AA0	170040.-	

Std. Pkg. = 1 unit

# - Adjustable Thermal, Adjustable Magnetic

\* LP - List Price

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

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*	12825.-	3VA1181-6MG32-0AA0*	15750.-
	2	3VA1102-5MG32-0AA0*	12825.-	3VA1102-6MG32-0AA0*	15750.-
	4	3VA1104-5MG32-0AA0*	12825.-	3VA1104-6MG32-0AA0*	15750.-
	8	3VA1108-5MG32-0AA0*	12825.-	3VA1108-6MG32-0AA0*	15750.-
	12.5	3VA1192-5MG32-0AA0*	12825.-	3VA1192-6MG32-0AA0*	15750.-
	20	3VA1120-5MH32-0AA0	12825.-	3VA1120-6MH32-0AA0	15750.-
	32	3VA1132-5MH32-0AA0	15320.-	3VA1132-6MH32-0AA0	16510.-
	40	3VA1140-5MH32-0AA0	15320.-	3VA1140-6MH32-0AA0	16510.-
	50	3VA1150-5MH32-0AA0	15320.-	3VA1150-6MH32-0AA0	16510.-
	63	3VA1163-5MH32-0AA0	15320.-	3VA1163-6MH32-0AA0	16510.-
	80	3VA1180-5MH32-0AA0	15320.-	3VA1180-6MH32-0AA0	16510.-
	100	3VA1110-5MH32-0AA0	15320.-	3VA1110-6MH32-0AA0	16510.-
	125	3VA1112-5MH32-0AA0	21975.-	3VA1112-6MH32-0AA0	23755.-
3VA12	160	3VA1216-5MH32-0AA0	23060.-	3VA1216-6MH32-0AA0	32865.-
	200	3VA1220-5MH32-0AA0	31715.-	3VA1220-6MH32-0AA0	38925.-
3VA13	250	3VA1325-5MH32-0AA0	34605.-	3VA1325-6MH32-0AA0	39390.-
	320	3VA1332-5MH32-0AA0	47490.-	3VA1332-6MH32-0AA0	54120.-
3VA14	400	3VA1440-5MH32-0AA0	54365.-	3VA1440-6MH32-0AA0	56795.-
	500	3VA1450-5MH32-0AA0	62580.-	3VA1450-6MH32-0AA0	71050.-
3VA15	630 <b>NEW</b>	3VA1563-5MH32-0AA0	72145.-	3VA1563-6MH32-0AA0	78600.-
	800 <b>NEW</b>	3VA1580-5MH32-0AA0	95830.-	3VA1580-6MH32-0AA0	105520.-

SENTRON 3VA MCCB, Thermal Magnetic Trip Unit, Fixed Thermal Fixed Magnetic (FTFM), Ics = 100% Icu

Frame Size	Breaking Capacity @ 415V AC, 50Hz	Rated Current In (A)	2 Pole	
			Type	Unit LP* ₹
3VA11	25kA	16	3VA1196-3ED22-0AA0	6480.-
		20	3VA1120-3ED22-0AA0	6480.-
		25	3VA1125-3ED22-0AA0	6480.-
		32	3VA1132-3ED22-0AA0	6480.-
		40	3VA1140-3ED22-0AA0	6480.-
		50	3VA1150-3ED22-0AA0	6480.-
		63	3VA1163-3ED22-0AA0	6480.-
		80	3VA1180-3ED22-0AA0	7100.-
		100	3VA1110-3ED22-0AA0	8320.-
		125	3VA1112-3ED22-0AA0	13460.-
		160	3VA1116-3ED22-0AA0	15545.-
3VA11	36kA	16	3VA1196-4ED22-0AA0	7100.-
		20	3VA1120-4ED22-0AA0	7100.-
		25	3VA1125-4ED22-0AA0	7100.-
		32	3VA1132-4ED22-0AA0	7100.-
		40	3VA1140-4ED22-0AA0	7100.-
		50	3VA1150-4ED22-0AA0	7100.-
		63	3VA1163-4ED22-0AA0	7100.-
		80	3VA1180-4ED22-0AA0	7840.-
		100	3VA1110-4ED22-0AA0	8960.-
		125	3VA1112-4ED22-0AA0	14430.-
		160	3VA1116-4ED22-0AA0	16885.-



3VA11<sup>1)</sup>, 1 Pole

3VA11, 2 Pole

<sup>1)</sup> Price upon enquiry

\* Fixed magnetic

Note: 1pole & 2pole version also available in 55kA. Kindly contact your nearest sales office for further information

Std. Pkg. = 1 unit

\* LP - List Price



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	21320.-	3VA2025-4HL42-0AA0	27485.-
		40	3VA2040-4HL32-0AA0	21320.-	3VA2040-4HL42-0AA0	27485.-
		63	3VA2063-4HL32-0AA0	21320.-	3VA2063-4HL42-0AA0	27485.-
		100	3VA2010-4HL32-0AA0	21320.-	3VA2010-4HL42-0AA0	27485.-
		160	3VA2116-4HL32-0AA0	28820.-	3VA2116-4HL42-0AA0	40225.-
		250	3VA2225-4HL32-0AA0	39555.-	3VA2225-4HL42-0AA0	53635.-
		400	3VA2340-4HL32-0AA0	52850.-	3VA2340-4HL42-0AA0	69560.-
		630	3VA2463-4HL32-0AA0	54945.-	3VA2463-4HL42-0AA0	72805.-
3VA20	55kA	25	3VA2025-5HL32-0AA0	27110.-	3VA2025-5HL42-0AA0	37140.-
		40	3VA2040-5HL32-0AA0	27110.-	3VA2040-5HL42-0AA0	37140.-
		63	3VA2063-5HL32-0AA0	27110.-	3VA2063-5HL42-0AA0	37140.-
		100	3VA2010-5HL32-0AA0	27110.-	3VA2010-5HL42-0AA0	37140.-
		160	3VA2116-5HL32-0AA0	34365.-	3VA2116-5HL42-0AA0	44500.-
		250	3VA2225-5HL32-0AA0	44900.-	3VA2225-5HL42-0AA0	59280.-
		400	3VA2340-5HL32-0AA0	56985.-	3VA2340-5HL42-0AA0	74680.-
		630	3VA2463-5HL32-0AA0	69995.-	3VA2463-5HL42-0AA0	78170.-
		800	3VA2580-5HL32-0AA0	102350.-	3VA2580-5HL42-0AA0	130930.-
		1000	3VA2510-5HL32-0AA0	135620.-	3VA2510-5HL42-0AA0	181060.-
3VA20	85kA	25	3VA2025-6HL32-0AA0	35440.-	3VA2025-6HL42-0AA0	43910.-
		40	3VA2040-6HL32-0AA0	35440.-	3VA2040-6HL42-0AA0	43910.-
		63	3VA2063-6HL32-0AA0	35440.-	3VA2063-6HL42-0AA0	43910.-
		100	3VA2010-6HL32-0AA0	35440.-	3VA2010-6HL42-0AA0	43910.-
		160	3VA2116-6HL32-0AA0	46475.-	3VA2116-6HL42-0AA0	59330.-
		250	3VA2225-6HL32-0AA0	51610.-	3VA2225-6HL42-0AA0	75165.-
		400	3VA2340-6HL32-0AA0	64770.-	3VA2340-6HL42-0AA0	85050.-
		630	3VA2463-6HL32-0AA0	77375.-	3VA2463-6HL42-0AA0	103245.-
		800	3VA2580-6HL32-0AA0	112530.-	3VA2580-6HL42-0AA0	149685.-
		1000	3VA2510-6HL32-0AA0	155095.-	3VA2510-6HL42-0AA0	207030.-

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	29365.-	3VA2025-4HM42-0AA0	36200.-
		40	3VA2040-4HM32-0AA0	29365.-	3VA2040-4HM42-0AA0	36200.-
		63	3VA2063-4HM32-0AA0	29365.-	3VA2063-4HM42-0AA0	36200.-
		100	3VA2010-4HM32-0AA0	29365.-	3VA2010-4HM42-0AA0	36200.-
		160	3VA2116-4HM32-0AA0	37140.-	3VA2116-4HM42-0AA0	46255.-
		250	3VA2225-4HM32-0AA0	46935.-	3VA2225-4HM42-0AA0	58995.-
		400	3VA2340-4HM32-0AA0	63125.-	3VA2340-4HM42-0AA0	79620.-
		630	3VA2463-4HM32-0AA0	69440.-	3VA2463-4HM42-0AA0	87575.-
3VA20	55kA	25	3VA2025-5HM32-0AA0	33470.-	3VA2025-5HM42-0AA0	38350.-
		40	3VA2040-5HM32-0AA0	33470.-	3VA2040-5HM42-0AA0	38350.-
		63	3VA2063-5HM32-0AA0	33470.-	3VA2063-5HM42-0AA0	38350.-
		100	3VA2010-5HM32-0AA0	34160.-	3VA2010-5HM42-0AA0	40090.-
		160	3VA2116-5HM32-0AA0	46025.-	3VA2116-5HM42-0AA0	55225.-
		250	3VA2225-5HM32-0AA0	56130.-	3VA2225-5HM42-0AA0	70045.-
		400	3VA2340-5HM32-0AA0	67775.-	3VA2340-5HM42-0AA0	85485.-
		630	3VA2463-5HM32-0AA0	74560.-	3VA2463-5HM42-0AA0	94025.-
		800	3VA2580-5HM32-0AA0	108205.-	3VA2580-5HM42-0AA0	140665.-
		1000	3VA2510-5HM32-0AA0	145355.-	3VA2510-5HM42-0AA0	190800.-
3VA20	85kA	25	3VA2025-6HM32-0AA0	41790.-	3VA2025-6HM42-0AA0	50825.-
		40	3VA2040-6HM32-0AA0	41790.-	3VA2040-6HM42-0AA0	50825.-
		63	3VA2063-6HM32-0AA0	41790.-	3VA2063-6HM42-0AA0	50825.-
		100	3VA2010-6HM32-0AA0	41790.-	3VA2010-6HM42-0AA0	50825.-
		160	3VA2116-6HM32-0AA0	53245.-	3VA2116-6HM42-0AA0	66835.-
		250	3VA2225-6HM32-0AA0	62355.-	3VA2225-6HM42-0AA0	87490.-
		400	3VA2340-6HM32-0AA0	75555.-	3VA2340-6HM42-0AA0	95840.-
		630	3VA2463-6HM32-0AA0	83110.-	3VA2463-6HM42-0AA0	105435.-
		800	3VA2580-6HM32-0AA0	121910.-	3VA2580-6HM42-0AA0	159420.-
		1000	3VA2510-6HM32-0AA0	164470.-	3VA2510-6HM42-0AA0	216765.-

Std. Pkg. = 1 unit

\* LP - List Price



**SENTRON 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	10765.-	3VA1163-1AA42-0AA0	15905.-
		100	3VA1110-1AA32-0AA0	10765.-	3VA1110-1AA42-0AA0	15905.-
		125	3VA1112-1AA32-0AA0	22020.-	3VA1112-1AA42-0AA0	29360.-
		160	3VA1116-1AA32-0AA0	22020.-	3VA1116-1AA42-0AA0	29360.-
3VA12	NA	250	3VA1225-1AA32-0AA0	22020.-	3VA1225-1AA42-0AA0	29360.-
3VA13	NA	400	3VA1340-1AA32-0AA0	28405.-	3VA1340-1AA42-0AA0	36930.-

NA - Not Applicable

## Earth fault and Earth leakage protection for SENTRON 3VA, 3VM & 3VT moulded case circuit breaker

### Earth fault monitoring relay

Description	Type	Unit LP* ₹
Earth fault monitoring relay	7UG0861-1BU20	4435.-
CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A	3P	7UG09910
	4P	7UG09911
CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A	3P	7UG09912
	4P	7UG09913
CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A	3P	7UG09914
	4P	7UG09915



### Earth leakage monitoring relay

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG08411CB20
	230VAC	7UG08421CD20
CBCT for ELR	35 mm dia	7UG09996
	70 mm dia	7UG09997
	120 mm dia	7UG09999
	210 mm dia	7UG09994
	310 mm dia	7UG09995



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

## SENTRON 3VA - Accessories

Frame	3VA1 100A/ 160A/ 250A/ 400A/ 630A/ 800A/ 1000A	Unit LP* ₹	3VA2 100A / 160A / 250A 3VA2 400A/ 630A/ 800A/ 1000A	Unit LP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA99880AA12 (1 C/O)	1675.-	3VA99880AA12 (1 C/O)	1675.-
Alarm switch (TAS)	3VA99880AB12 (1 C/O)	2585.-	3VA99880AB12 (1 C/O)	2585.-
Short-circuit Alarm switch (SAS) for 3VA1 Only	3VA99880AB32 (for 3VA10/ 11 100A/ 160A) 3VA99880AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A)	1380.- 1380.-	-	-
Electrical alarm switches (EAS) for 3VA2 Only	-	-	3VA99880AB22	1380.-
Under voltage release (UVR)				
120-127 V AC 50/60 Hz	3VA99080BB24	3960.-	3VA99080BB24	3960.-
208-230 V AC 50/60 Hz	3VA99080BB25	3960.-	3VA99080BB25	3960.-
380-400 V AC 50/60 Hz	3VA99080BB26	3960.-	3VA99080BB26	3960.-
Shunt release flexible (STF)				
110-127 V AC 50/60 Hz	3VA99880BA22	2980.-	3VA99880BA22	2980.-
208-277 V AC 50/60 Hz	3VA99880BA23	2980.-	3VA99880BA23	2980.-
380-500 V AC 50/60 Hz	3VA99880BA24	2980.-	3VA99880BA24	2980.-
Shunt release left (STL) for 3VA2 800A / 1000A				
110-127 V AC 50/60 Hz	-	-	3VA99880BL32	2980.-
208-277 V AC 50/60 Hz	-	-	3VA99880BL33	2980.-
380-500 V AC 50/60 Hz	-	-	3VA99880BL20	2980.-
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)	2420.- 2545.- 3995.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)	2545.- 3995.- -
Extended Door Mounted Rotary Operator ^	3VA9687-0FK21 (for 3VA15 800/ 1000A) <b>NEW</b>	8560.-	3VA9687-0FK21 (for 3VA25 800A/ 1000A)	8560.-
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)	5110.- 5615.- 7140.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A)	5615.- 7140.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. (for 3VA10/ 11/ 12/ 13/ 14)	4175.-	8UC60701YQ.. (for 3VA20/ 21/ 22/ 23/ 24)	4175.-
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)	5110.- 5300.- 5985.-	3VA91680VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA93680VF30 (for 3VA23/ 24 400A/ 630A)	5615.- 5985.-
Locking device for breaker with Toggle lever	3VA90880LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A) 3VA93880LB10 (for 3VA13/ 14 400A/ 630A)	1565.- 2055.-	3VA93880LB10 (for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A)	2055.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA91570HA20 (for 3VA11 160A) 3VA92570HA20 (for 3VA12 250A) 3VA94670HA20 (for 3VA13/ 14 400A/ 630A) <b>NEW</b>	17150.- 22440.- 26495.-	3VA92670HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94670HA20 (for 3VA23/ 24 400A/ 630A)	22440.- 26495.-
Spreader links - Broadened (with phase barriers) <b>NEW</b>	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)	975.- 1255.- 1225.- 1625.- 1645.- 2130.-	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)	1325.- 1725.- 1645.- 2130.-
Busbar extensions (with phase barriers)	3VA96030QB00 (for 3pole, 3VA15 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA15 800A/ 1000A)	4705.- 6285.-	3VA96030QB00 (for 3pole, 3VA25 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA25 800A/ 1000A)	4705.- 6285.-
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)	1750.- 2370.- 2240.- 3000.- 3635.- 4845.-	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)	2240.- 3000.- 3635.- 4845.-
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)	335.- 335.- 785.- 790.-	3VA92620WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94820WA00 (for 3VA23/ 24 400A/ 630A) 3VA96020WA00 (for 3VA25 800A/ 1000A)	335.- 785.- 790.-
3VA Adapter for mounting on 8US 60mm busbar system <b>NEW</b>	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, extended rotary operator imported version (with 8UD handles)

Std. Pkg. = 1 unit

\* LP - List Price



## SENTRON 3VA27 moulded case circuit breakers

NEW



- 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/ LSIG 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	195040.-	3VA2712-5AB13-0AA0	262330.-
		1600	3VA2716-5AB03-0AA0	269935.-	3VA2716-5AB13-0AA0	363255.-
	85kA	1250	3VA2712-6AB03-0AA0	214270.-	3VA2712-6AB13-0AA0	288360.-
		1600	3VA2716-6AB03-0AA0	296370.-	3VA2716-6AB13-0AA0	399295.-

### SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU360 LSIG, 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	211065.-	3VA2712-5AD13-0AA0	277950.-
		1600	3VA2716-5AD03-0AA0	285555.-	3VA2716-5AD13-0AA0	378875.-
	85kA	1250	3VA2712-6AD03-0AA0	229885.-	3VA2712-6AD13-0AA0	304380.-
		1600	3VA2716-6AD03-0AA0	311990.-	3VA2716-6AD13-0AA0	416520.-

## Accessories for 3VA27

	Description	Type	Unit LP* ₹	Std. pkg. (nos.)	
	Auxiliary switch (AUX)	3VW9011-0AG01	3540.-	1	
	Alarm switch (TAS)	3VW9011-0AH14	1750.-	1	
	Shunt release (ST)	110-120 V AC 50/60 HZ	3VW9011-0AD05	8150.-	1
		220-240 V AC 50/60 HZ	3VW9011-0AD07		
	Under voltage release (UVR)	110-120 V AC 50/60 Hz	3VW9011-0AE05	8825.-	1
		220-240 V AC 50/60 Hz	3VW9011-0AE07		
		415-440 V AC 50/60 Hz	3VW9011-0AE18		
	Extended Door Mounted Rotary Operator <sup>^</sup> (Standard - Gray)	3VW9727-0FK21	7845.-	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

**SIEMENS**

*Ingenuity for life*



## 3VM moulded case circuit breaker

Efficient. Powerful.



# MCCB: SENTRON 3VM

NEW

- 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* ₹	4 Pole Type	Unit MRP* ₹
3VM10	16kA	16	3VM10962ED320AA0	6890.-	3VM10962ED420AA0	8930.-
		20	3VM10202ED320AA0	6890.-	3VM10202ED420AA0	8930.-
		25	3VM10252ED320AA0	6890.-	3VM10252ED420AA0	8930.-
		32	3VM10322ED320AA0	6890.-	3VM10322ED420AA0	8930.-
		40	3VM10402ED320AA0	6890.-	3VM10402ED420AA0	8930.-
		50	3VM10502ED320AA0	6890.-	3VM10502ED420AA0	8930.-
		63	3VM10632ED320AA0	6890.-	3VM10632ED420AA0	8930.-
		80	3VM10802ED320AA0	7535.-	3VM10802ED420AA0	9780.-
		100	3VM10102ED320AA0	8170.-	3VM10102ED420AA0	10645.-
3VM10	25kA	16	3VM10963ED320AA0	7145.-	3VM10963ED420AA0	9325.-
		20	3VM10203ED320AA0	7145.-	3VM10203ED420AA0	9325.-
		25	3VM10253ED320AA0	7145.-	3VM10253ED420AA0	9325.-
		32	3VM10323ED320AA0	7145.-	3VM10323ED420AA0	9325.-
		40	3VM10403ED320AA0	7145.-	3VM10403ED420AA0	9325.-
		50	3VM10503ED320AA0	7145.-	3VM10503ED420AA0	9325.-
		63	3VM10633ED320AA0	7145.-	3VM10633ED420AA0	9325.-
		80	3VM10803ED320AA0	7775.-	3VM10803ED420AA0	10115.-
		100	3VM10103ED320AA0	8350.-	3VM10103ED420AA0	10865.-
3VM11		125	3VM11123ED320AA0	10215.-	3VM11123ED420AA0	14130.-
		160	3VM11163ED320AA0	13960.-	3VM11163ED420AA0	17675.-

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	36kA	16	3VM11964ED320AA0	7540.-	3VM11964GD420AA0	10435.-
		20	3VM11204ED320AA0	7540.-	3VM11204GD420AA0	10435.-
		25	3VM11254ED320AA0	7540.-	3VM11254GD420AA0	10435.-
		32	3VM11324ED320AA0	7540.-	3VM11324GD420AA0	10435.-
		40	3VM11404ED320AA0	7540.-	3VM11404GD420AA0	10435.-
		50	3VM11504ED320AA0	7540.-	3VM11504GD420AA0	10435.-
		63	3VM11634ED320AA0	7540.-	3VM11634GD420AA0	10435.-
		80	3VM11804ED320AA0	7915.-	3VM11804GD420AA0	11445.-
		100	3VM11104ED320AA0	9180.-	3VM11104GD420AA0	13220.-
		125	3VM11124ED320AA0	16120.-	3VM11124GD420AA0	20955.-
		160	3VM11164ED320AA0	17810.-	3VM11164GD420AA0	23155.-
		200	3VM12204ED320AA0	19130.-	3VM12204GD420AA0	23680.-
		250	3VM12254ED320AA0	25515.-	3VM12254GD420AA0	30065.-
		320	3VM13324ED320AA0	34615.-	3VM13324GD420AA0	42805.-
		400	3VM13404ED320AA0	35530.-	3VM13404GD420AA0	43720.-
		500	3VM14504ED320AA0	39085.-	3VM14504GD420AA0	47275.-
		630	3VM14634ED320AA0	39085.-	3VM14634GD420AA0	47275.-

^ 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.)

NEW

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	55kA	16	3VM11965ED320AA0	8660.-	3VM11965GD420AA0	11240.-
		20	3VM11205ED320AA0	8660.-	3VM11205GD420AA0	11240.-
		25	3VM11255ED320AA0	8660.-	3VM11255GD420AA0	11240.-
		32	3VM11325ED320AA0	8660.-	3VM11325GD420AA0	11240.-
		40	3VM11405ED320AA0	8660.-	3VM11405GD420AA0	11240.-
		50	3VM11505ED320AA0	8660.-	3VM11505GD420AA0	11240.-
		63	3VM11635ED320AA0	8660.-	3VM11635GD420AA0	11240.-
		80	3VM11805ED320AA0	9495.-	3VM11805GD420AA0	12340.-
		100	3VM11105ED320AA0	10995.-	3VM11105GD420AA0	14265.-
		125	3VM11125ED320AA0	17720.-	3VM11125GD420AA0	23030.-
		160	3VM11165ED320AA0	19570.-	3VM11165GD420AA0	25465.-
		200	3VM12205ED320AA0	21170.-	3VM12205GD420AA0	26830.-
		250	3VM12255ED320AA0	27555.-	3VM12255GD420AA0	33215.-
		320	3VM13325ED320AA0	37540.-	3VM13325GD420AA0	45060.-
		400	3VM13405ED320AA0	38455.-	3VM13405GD420AA0	45975.-
		500	3VM14505ED320AA0	42010.-	3VM14505GD420AA0	49530.-
630	3VM14635ED320AA0	42010.-	3VM14635GD420AA0	49530.-		

Circuit Breakers

## Knowledge Manager – all information available anytime



A QR code is clearly visible on every 3VM moulded case circuit breaker.

Scan the QR code with a smartphone or a tablet PC by using the free "Industry Support" app from Siemens.

You can directly view or download all relevant product information.

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	8480.-	3VM11963GE420AA0	12785.-
		20	3VM11203EE320AA0	8480.-	3VM11203GE420AA0	12785.-
		25	3VM11253EE320AA0	8480.-	3VM11253GE420AA0	12785.-
		32	3VM11323EE320AA0	8480.-	3VM11323GE420AA0	12785.-
		40	3VM11403EE320AA0	8480.-	3VM11403GE420AA0	12785.-
		50	3VM11503EE320AA0	8480.-	3VM11503GE420AA0	12785.-
		63	3VM11633EE320AA0	8480.-	3VM11633GE420AA0	12785.-
		80	3VM11803EE320AA0	8480.-	3VM11803GE420AA0	12785.-
		100	3VM11103EE320AA0	8480.-	3VM11103GE420AA0	12785.-
		125	3VM11123EE320AA0	10950.-	3VM11123GE420AA0	14975.-
160	3VM11163EE320AA0	15065.-	3VM11163GE420AA0	19175.-		
3VM11	36kA	16	3VM11964EE320AA0	10970.-	3VM11964GE420AA0	14360.-
		20	3VM11204EE320AA0	10970.-	3VM11204GE420AA0	14360.-
		25	3VM11254EE320AA0	10970.-	3VM11254GE420AA0	14360.-
		32	3VM11324EE320AA0	10970.-	3VM11324GE420AA0	14360.-
		40	3VM11404EE320AA0	10970.-	3VM11404GE420AA0	14360.-
		50	3VM11504EE320AA0	10970.-	3VM11504GE420AA0	14360.-
		63	3VM11634EE320AA0	10970.-	3VM11634GE420AA0	14360.-
		80	3VM11804EE320AA0	10970.-	3VM11804GE420AA0	14360.-
		100	3VM11104EE320AA0	10970.-	3VM11104GE420AA0	14360.-
		125	3VM11124EE320AA0	16885.-	3VM11124GE420AA0	21505.-
3VM12	36kA	160	3VM11164EE320AA0	18300.-	3VM11164GE420AA0	23750.-
		200	3VM12204EE320AA0	26465.-	3VM12204GE420AA0	30880.-
3VM13	36kA	250	3VM12254EE320AA0	26465.-	3VM12254GE420AA0	30880.-
		320	3VM13324EE320AA0	35430.-	3VM13324GE420AA0	43375.-
3VM14	36kA	400	3VM13404EE320AA0	35430.-	3VM13404GE420AA0	43375.-
		500	3VM14504EE320AA0	40470.-	3VM14504GE420AA0	48415.-
3VM14	36kA	630	3VM14634EE320AA0	40470.-	3VM14634GE420AA0	48415.-
		16	3VM11965EE320AA0	12500.-	3VM11965GE420AA0	15795.-
3VM11	55kA	20	3VM11205EE320AA0	12500.-	3VM11205GE420AA0	15795.-
		25	3VM11255EE320AA0	12500.-	3VM11255GE420AA0	15795.-
		32	3VM11325EE320AA0	12500.-	3VM11325GE420AA0	15795.-
		40	3VM11405EE320AA0	12500.-	3VM11405GE420AA0	15795.-
		50	3VM11505EE320AA0	12500.-	3VM11505GE420AA0	15795.-
		63	3VM11635EE320AA0	12500.-	3VM11635GE420AA0	15795.-
		80	3VM11805EE320AA0	12500.-	3VM11805GE420AA0	15795.-
		100	3VM11105EE320AA0	12500.-	3VM11105GE420AA0	15795.-
		125	3VM11125EE320AA0	19630.-	3VM11125GE420AA0	23575.-
		160	3VM11165EE320AA0	20125.-	3VM11165GE420AA0	25970.-
3VM12	55kA	200	3VM12205EE320AA0	28445.-	3VM12205GE420AA0	33935.-
		250	3VM12255EE320AA0	28445.-	3VM12255GE420AA0	33935.-
3VM13	55kA	320	3VM13325EE320AA0	38265.-	3VM13325GE420AA0	45560.-
		400	3VM13405EE320AA0	38265.-	3VM13405GE420AA0	45560.-
3VM14	55kA	500	3VM14505EE320AA0	43305.-	3VM14505GE420AA0	50600.-
		630	3VM14635EE320AA0	43305.-	3VM14635GE420AA0	50600.-

Circuit Breakers

Std. Pkg. = 1 unit

\* LP - List Price

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

NEW

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)	Unit LP* ₹
3VM11	8 <sup>1)</sup>	3VM11085MG320AA0	10890.-
3VM11	12.5 <sup>1)</sup>	3VM11925MG320AA0	10890.-
3VM11	20	3VM11205MH320AA0	10890.-
3VM11	32	3VM11325MH320AA0	13010.-
3VM11	40	3VM11405MH320AA0	13010.-
3VM11	50	3VM11505MH320AA0	13010.-
3VM11	63	3VM11635MH320AA0	13010.-
3VM11	80	3VM11805MH320AA0	13010.-
3VM11	100	3VM11105MH320AA0	13010.-
3VM11	125	3VM11125MH320AA0	19360.-
3VM12	160	3VM12165MH320AA0	19360.-
3VM12	200	3VM12205MH320AA0	29375.-
3VM13	250	3VM13255MH320AA0	29375.-
3VM13	320	3VM13325MH320AA0	42095.-
3VM14	400	3VM14405MH320AA0	42095.-
3VM14	500	3VM14505MH320AA0	46655.-

SETRON 3VM, Switch Disconnecter (without protection)

NEW

Frame Size	Rated Current In (A)	3pole Type	Unit LP* ₹	4pole Type	Unit LP* ₹
3VM11	63	3VM11631AA320AA0	8125.-	3VM11631AA420AA0	12005.-
	100	3VM11101AA320AA0	8125.-	3VM11101AA420AA0	12005.-
	125	3VM11121AA320AA0	11850.-	3VM11121AA420AA0	14925.-
	160	3VM11161AA320AA0	11850.-	3VM11161AA420AA0	14925.-
3VM12	250	3VM12251AA320AA0	19735.-	3VM12251AA420AA0	26315.-
3VM13	400	3VM13401AA320AA0	25455.-	3VM13401AA420AA0	33100.-

<sup>1)</sup> Fixed magnetic



Std. Pkg. = 1 unit

\* LP - List Price



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	3165.-	3VM11963ED220AA0	5685.-
		20	3VM11203ED120AA0	3165.-	3VM11203ED220AA0	5685.-
		25	3VM11253ED120AA0	3165.-	3VM11253ED220AA0	5685.-
		32	3VM11323ED120AA0	3165.-	3VM11323ED220AA0	5685.-
		40	3VM11403ED120AA0	3165.-	3VM11403ED220AA0	5685.-
		50	3VM11503ED120AA0	3165.-	3VM11503ED220AA0	5685.-
		63	3VM11633ED120AA0	3165.-	3VM11633ED220AA0	5685.-
		80	3VM11803ED120AA0	3490.-	3VM11803ED220AA0	6230.-
		100	3VM11103ED120AA0	4025.-	3VM11103ED220AA0	7300.-
		125	3VM11123ED120AA0	6500.-	3VM11123ED220AA0	11810.-
3VM11	36kA <sup>1)</sup>	160	3VM11163ED120AA0	7570.-	3VM11163ED220AA0	13640.-
		16	3VM11964ED120AA0	3435.-	3VM11964ED220AA0	6230.-
		20	3VM11204ED120AA0	3435.-	3VM11204ED220AA0	6230.-
		25	3VM11254ED120AA0	3435.-	3VM11254ED220AA0	6230.-
		32	3VM11324ED120AA0	3435.-	3VM11324ED220AA0	6230.-
		40	3VM11404ED120AA0	3435.-	3VM11404ED220AA0	6230.-
		50	3VM11504ED120AA0	3435.-	3VM11504ED220AA0	6230.-
		63	3VM11634ED120AA0	3435.-	3VM11634ED220AA0	6230.-
		80	3VM11804ED120AA0	3815.-	3VM11804ED220AA0	6875.-
		100	3VM11104ED120AA0	4105.-	3VM11104ED220AA0	7945.-
125	3VM11124ED120AA0	7040.-	3VM11124ED220AA0	12660.-		
160	3VM11164ED120AA0	8210.-	3VM11164ED220AA0	14815.-		

<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	4435.-
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	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 release for MCCB separately along with earth fault relay / earth leakage relay

Std. Pkg. = 1 unit

\* LP - List Price

Internal accessories for SETRON 3VM 100-630A



MLFB	Description	Unit LP* ₹
<b>Auxiliary Switches and Alarm Switches (1 C/O)</b>		
3VM9988-0AA12	Auxiliary Switch AUX (1 C/O)	1325.-
3VM9988-0AB12	Trip Alarm Switch TAS (1 C/O)	1325.-
<b>Undervoltage releases</b>		
3VM9908-0BB11	UVR 24V DC	2960.-
3VM9908-0BB12	UVR 48V DC	2960.-
3VM9908-0BB23	UVR 110 V AC 50/60HZ	2960.-
3VM9908-0BB25	UVR 208-230 V AC 50/60 HZ	2960.-
3VM9908-0BB26	UVR 380-400 V AC 50/60 HZ	2960.-
<b>Shunt release (Left)</b>		
3VM9908-0BL30	STL 24V AC 50/60Hz / 12-30V DC	2395.-
3VM9908-0BL31	STL 48-60V AC 50/60Hz/ DC	2395.-
3VM9908-0BL32	STL 110-127 V AC 50/60 HZ / DC	2395.-
3VM9908-0BL33	STL 208-277 V AC 50/60 HZ / 220-250 V DC	2395.-
3VM9908-0BL20	STL 380-600 V AC 50/60 HZ	2395.-

External Accessories:

MLFB	Description	Unit LP* ₹
<b>Rotary Handles <sup>1)2)</sup></b>		
3VM9117-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM10/ 11	1795.-
3VM9217-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM12	2275.-
3VM9417-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM13/ 14	2455.-
3VM9117-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM10/ 11	1665.-
3VM9217-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM12	2190.-
3VM9417-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM13/ 14	2415.-
<b>Spreaders (incl. Phase barriers)<sup>2)</sup></b>		
3VM9153-0QC50	Spreader links - Broadened, 3pole, 3VM10/ 11	975.-
3VM9154-0QC50	Spreader links - Broadened, 4pole, 3VM10/ 11	1255.-
3VM9253-0QC50	Spreader links - Broadened, 3pole, 3VM12	1225.-
3VM9254-0QC50	Spreader links - Broadened, 4pole, 3VM12	1625.-
3VM9483-0QC50	Spreader links - Broadened, 3pole, 3VM13/ 14	1645.-
3VM9484-0QC50	Spreader links - Broadened, 4pole, 3VM13/ 14	2130.-
<b>Extended terminals (incl. Phase barriers)<sup>2)</sup></b>		
3VM9153-0QB50	Extended terminals, 3pole, 3VM10/ 11	660.-
3VM9154-0QB50	Extended terminals, 4pole, 3VM10/ 11	850.-
3VM9253-0QB50	Extended terminals, 3pole, 3VM12	825.-
3VM9254-0QB50	Extended terminals, 4pole, 3VM12	1095.-
3VM9483-0QB50	Extended terminals, 3pole, 3VM13/ 14	1110.-
3VM9484-0QB50	Extended terminals, 4pole, 3VM13/ 14	1445.-
<b>Phase barriers</b>		
3VM9152-0WA00	Phase barriers (1set = 2 phase barriers), 3VM10/ 11	555.-
3VM9252-0WA00	Phase barriers (1set = 2 phase barriers), 3VM12	775.-
3VM9482-0WA00	Phase barriers (1set = 2 phase barriers), 3VM13/ 14	775.-
<b>Locking device for breaker with Toggle lever</b>		
3VM9188-0LB10	Locking device for: 3VM10/ 11/ 12	1475.-
3VM9388-0LB10	Locking device for: 3VM13/ 14	1940.-
<b>Interlocking (for MCCBs with 8UC handles)</b>		
8UC60701YQ.. #	Castell interlock kit for 3VM10/ 11/ 12/ 13/ 14	4175.-



Std. Pkg. = 1 unit

\* LP - List Price

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 place will be A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively

® 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

<sup>2)</sup> Available from January 2020

# SIEMENS

*Ingenuity for life*

NEW

## 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 till 50°C)

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# 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 + 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	200875.-	3WT8065-6AA04-5AB2	261145.-	
		EDO	3WT8061-6UA34-5AB2	259825.-	3WT8065-6UA34-5AB2	320095.-	
	800	MDO	3WT8081-6AA04-5AB2	211995.-	3WT8085-6AA04-5AB2	277520.-	
		EDO	3WT8081-6UA34-5AB2	270945.-	3WT8085-6UA34-5AB2	336470.-	
	1000	MDO	3WT8101-6AA04-5AB2	217750.-	3WT8105-6AA04-5AB2	282455.-	
		EDO	3WT8101-6UA34-5AB2	276700.-	3WT8105-6UA34-5AB2	341405.-	
	1250	MDO	3WT8121-6AA04-5AB2	267465.-	3WT8125-6AA04-5AB2	317960.-	
		EDO	3WT8121-6UA34-5AB2	326415.-	3WT8125-6UA34-5AB2	376910.-	
	● 1600	MDO	3WT8161-6AA04-5AB2	287060.-	3WT8165-6AA04-5AB2	347500.-	
		EDO	3WT8161-6UA34-5AB2	346010.-	3WT8165-6UA34-5AB2	406450.-	
	II	● 2000	MDO	3WT8202-6AA04-5AB2	360670.-	3WT8206-6AA04-5AB2	443900.-
			EDO	3WT8202-6UA34-5AB2	419620.-	3WT8206-6UA34-5AB2	502850.-
● 2500		MDO	3WT8252-6AA04-5AB2	408540.-	3WT8256-6AA04-5AB2	519390.-	
		EDO	3WT8252-6UA34-5AB2	467490.-	3WT8256-6UA34-5AB2	578340.-	
● 3200		MDO	3WT8322-6AA04-5AB2	523760.-	3WT8326-6AA04-5AB2	642665.-	
		EDO	3WT8322-6UA34-5AB2	582710.-	3WT8326-6UA34-5AB2	701615.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2000.-



Reduce

2000.-

Microprocessor based trip unit ETU37WT: LSING + 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	147615.-	3WT8065-6AA00-0AA2	199715.-	
		EF	3WT8061-6UA30-0AA2	206565.-	3WT8065-6UA30-0AA2	258665.-	
	800	MF	3WT8081-6AA00-0AA2	159345.-	3WT8085-6AA00-0AA2	219245.-	
		EF	3WT8081-6UA30-0AA2	218295.-	3WT8085-6UA30-0AA2	278195.-	
	1000	MF	3WT8101-6AA00-0AA2	162430.-	3WT8105-6AA00-0AA2	232255.-	
		EF	3WT8101-6UA30-0AA2	221380.-	3WT8105-6UA30-0AA2	291205.-	
	1250	MF	3WT8121-6AA00-0AA2	220940.-	3WT8125-6AA00-0AA2	261265.-	
		EF	3WT8121-6UA30-0AA2	279890.-	3WT8125-6UA30-0AA2	320215.-	
	● 1600	MF	3WT8161-6AA00-0AA2	225595.-	3WT8165-6AA00-0AA2	279855.-	
		EF	3WT8161-6UA30-0AA2	284545.-	3WT8165-6UA30-0AA2	338805.-	
	II	● 2000	MF	3WT8202-6AA00-0AA2	253710.-	3WT8206-6AA00-0AA2	364205.-
			EF	3WT8202-6UA30-0AA2	312660.-	3WT8206-6UA30-0AA2	423155.-
● 2500		MF	3WT8252-6AA00-0AA2	286380.-	3WT8256-6AA00-0AA2	427605.-	
		EF	3WT8252-6UA30-0AA2	345330.-	3WT8256-6UA30-0AA2	486555.-	
● 3200		MF	3WT8322-6AA00-0AA2	436040.-	3WT8326-6AA00-0AA2	537000.-	
		EF	3WT8322-6UA30-0AA2	494990.-	3WT8326-6UA30-0AA2	595950.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2000.-



Reduce

2000.-

For Non-Automatic ACBs please deduct ₹ 4545/- 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 - ₹ 26,700/-

For information on 3WT<sup>Plus</sup> Air Circuit Breakers please contact your nearest Siemens sales office

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	63255.-
	220-240	220-250	3WT9831-1JK00	63255.-
Shunt Release or Closing Coil Suitable for continuous operation	–	24	3WT9851-1JB00	5290.-
	110-127	110-125	3WT9851-1JH00	5290.-
	220-240	220-250	3WT9851-1JK00	5290.-
Under Voltage Release Instantaneous	110-127	110-125	3WT9853-1JH00	5635.-
	208-240	220-250	3WT9853-1JK00	5635.-
	380-415	–	3WT9853-1JM00	5635.-
Auxiliary Terminal Block	Fixed circuit breaker		3WT9825-1JC00	3950.-
	Drawout circuit breaker		3WT9827-1JA00	3950.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	2235.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	12245.-
5 digit operating cycle counter			3WT9864-0CA00	9185.-
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-1JC00	8745.-
			3WT9867-2JA00	8745.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	7245.-
Castell Lock			3WX3663-6JEL_#	3745.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-0JA00	2380.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	19005.-
	Size II		3WL9111-0AA22-0AA0	22085.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	20855.-
	Size II		3WL9111-0AA32-0AA0	23940.-

\* 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)

NEW

Description	Unit LP* ₹
MODBUS RTU communication module	Please contact nearest sales office
Metering function	
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)

Std. Pkg. = 1 unit

\* LP - List Price

## ACB: SENTRON 3WL

- 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....	275610.-	348110.-	182015.-	272960.-
	800	3WL1108....	278630.-	354970.-	187620.-	279930.-
	1000	3WL1110....	286005.-	379580.-	205930.-	295655.-
	1250	3WL1112....	346385.-	438030.-	253365.-	360995.-
	1600	3WL1116....	381980.-	481250.-	268165.-	388900.-
II	2000	3WL1220....	412755.-	546175.-	278005.-	404925.-
	2500	3WL1225....	485045.-	622760.-	295550.-	466820.-
	3200	3WL1232....	628655.-	863380.-	421305.-	709105.-
	4000	3WL1240....	723305.-	918365.-	573605.-	777205.-
III	5000	3WL1350....	1136700.-	1442200.-	1014740.-	1332005.-
	6300	3WL1363....	1528180.-	1920345.-	1324735.-	1746805.-

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	19890.-
Protection function LSIN with Current display	9505.-
Protection function LSING with Current display	28510.-

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	73070.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	73070.-

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	6300.-
Door Interlock	5340.-
Position Signal Switch for Withdrawable Breaker	13820.-
Castell lock mounting kit*	4500.-
Mutual Mechanical Interlocking (Bowden wire)	Upon Enquiry
Metering function Plus (voltage transformer must be ordered separately)	Upon Enquiry
Profibus communication connection ( Com15 + BSS)	Upon Enquiry
Modbus communication connection ( Com16 + BSS)	Upon Enquiry
Modbus TCP/PROFINET communication connection (Com35 + BSS) <b>NEW</b>	Upon Enquiry

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	3WL9111-0AD01-0AA0	12215.-
	110	110	3WL9111-0AD05-0AA0	12215.-
	230	220	3WL9111-0AD06-0AA0	12215.-
Under Voltage Release (Instantaneous)	380-415	-	3WL9111-0AE06-0AA0	13500.-
Motorised Operating Mechanism	-	24-30	3WL9111-0AF01-0AA0	67520.-
	110-127	110-125	3WL9111-0AF03-0AA0	67520.-
	208-240	220-250	3WL9111-0AF04-0AA0	67520.-
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0	7760.-
Castell Lock	-	-	3WX3663-6JEL_ \$	3745.-

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

# SIEMENS

*Ingenuity for life*



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)

## SENTRON 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	56640.-	1
3KC ATC 6300	3KC9000-8TL40	82175.-	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	11455.-	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





# SIEMENS

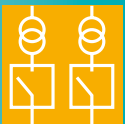
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## SIMARIS software tools

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:

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

\*Download FREE version from [www.siemens.com/simaris](http://www.siemens.com/simaris)

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

## MCCB: SENTRON 3VT1...5

Type 2 Co-ordination available

- Rated current - 16A to 1600A
- 3 and 4 pole versions
- Breaking capacity from 25kA to 65kA
- Thermal magnetic and Microprocessor based trip unit
- Switch disconnecter for complete range
- Special purpose trip unit for motor & generator protection
- Under voltage & shunt release with multiple voltage settings
- Fixed mounted, plug-in and draw-out versions



### 3VT1, Thermal Magnetic trip unit, Icu = 25kA, 415 V AC, 50 Hz MCCB (Fixed Overload & Fixed Short Circuit Settings) for line protection

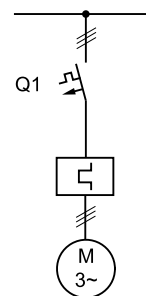
Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
40	3VT1704-2DA36-0AA0	8490.-	3VT1704-2EA46-0AA0	11470.-	1
63	3VT1706-2DA36-0AA0	8490.-	3VT1706-2EA46-0AA0	11470.-	1
80	3VT1708-2DA36-0AA0	8490.-	3VT1708-2EA46-0AA0	11470.-	1
100	3VT1710-2DA36-0AA0	8490.-	3VT1710-2EA46-0AA0	11470.-	1
125	3VT1712-2DA36-0AA0	11235.-	3VT1712-2EA46-0AA0	15545.-	1
160	3VT1716-2DA36-0AA0	15355.-	3VT1716-2EA46-0AA0	19445.-	1

### 3VT1, Thermal Magnetic trip unit, Icu = 25kA, 415 V AC, 50 Hz MCCB (Adjustable Overload & Adjustable Short Circuit Settings) for line protection

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
16	3VT1701-2DC36-0AA0	9330.-	3VT1701-2EC46-0AA0	14065.-	1
25	3VT1792-2DC36-0AA0	9330.-	3VT1792-2EC46-0AA0	14065.-	1
32	3VT1703-2DC36-0AA0	9330.-	3VT1703-2EC46-0AA0	14065.-	1
40	3VT1704-2DC36-0AA0	9330.-	3VT1704-2EC46-0AA0	14065.-	1
63	3VT1706-2DC36-0AA0	9330.-	3VT1706-2EC46-0AA0	14065.-	1
80	3VT1708-2DC36-0AA0	9330.-	3VT1708-2EC46-0AA0	14065.-	1
100	3VT1710-2DC36-0AA0	9330.-	3VT1710-2EC46-0AA0	14065.-	1
125	3VT1712-2DC36-0AA0	12045.-	3VT1712-2EC46-0AA0	16475.-	1
160	3VT1716-2DC36-0AA0	16570.-	3VT1716-2EC46-0AA0	21095.-	1

### 3VT1, Thermal Magnetic trip unit for Motor Protection, Icu = 25kA, 415 V AC, 50 Hz MCCB (Adjustable Overload & Fixed Short Circuit Settings)

Rated current I <sub>n</sub> (A)	3 Pole Type	Unit MRP <sup>®</sup> ₹	Std. pkg. (nos.)
16	3VT1701-2DM36-0AA0	9180.-	1
20	3VT1702-2DM36-0AA0	9180.-	1
25	3VT1792-2DM36-0AA0	9180.-	1
32	3VT1703-2DM36-0AA0	9180.-	1
40	3VT1704-2DM36-0AA0	9180.-	1
50	3VT1705-2DM36-0AA0	9180.-	1
63	3VT1706-2DM36-0AA0	9180.-	1
80	3VT1708-2DM36-0AA0	9180.-	1
100	3VT1710-2DM36-0AA0	9180.-	1



### Switch disconnecter

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
160	3VT1716-2DE36-0AA0	13035.-	3VT1716-2EE46-0AA0	16420.-	1

Std. Pkg. = 1 unit

® MRP - Max. Retail Price

## Main switching unit without Trip Unit (ETU)

To be ordered along with trip unit or switch disconnecter 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	9030.-	3VT2725-2AA46-0AA0	14035.-	1
3VT3		630	3VT3763-2AA36-0AA0	22050.-	3VT3763-2AA46-0AA0	31060.-	1
3VT2	65 kA	250	3VT2725-3AA36-0AA0	11275.-	3VT2725-3AA46-0AA0	17500.-	1
3VT3		630	3VT3763-3AA36-0AA0	25265.-	3VT3763-3AA46-0AA0	33540.-	1
3VT4		1000	3VT4710-3AA30-0AA0	41920.-			1
3VT5	55 kA	1600	3VT5716-3AA30-0AA0	62885.-			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	8010.-	1
	200	3VT9220-6AB00	12010.-	1
	250	3VT9225-6AB00	19035.-	1
3VT3	315	3VT9331-6AB00	16025.-	1
	400	3VT9340-6AB00	17035.-	1
	630	3VT9363-6AB00	20945.-	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	100	3VT9210-6AP00	9520.-	1
	160	3VT9216-6AP00	10020.-	1
	250	3VT9225-6AP00	21040.-	1
3VT3	400	3VT9340-6AP00	21040.-	1
	630	3VT9363-6AP00	26055.-	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	7075.-	1
	160	3VT9216-6AC00	9920.-	1
	250	3VT9225-6AC00	20985.-	1
3VT3	250	3VT9325-6AC00	18130.-	1
	400	3VT9340-6AC00	18130.-	1
	630	3VT9363-6AC00	23845.-	1
3VT4	800	3VT9480-6AC00	19845.-	1
	1000	3VT9410-6AC00	62500.-	1
3VT5	1250	3VT9512-6AC00	67695.-	1
	1600	3VT9516-6AC00	114565.-	1

Switch Disconnector Unit, 3P / 4P<sup>s</sup>

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹	Std. pkg. (nos.)
3VT2	250	3VT9225-6DT00	5015.-	1
3VT3	630	3VT9363-6DT00	8010.-	1
3VT4	1000	3VT9410-6DT00	28410.-	1
3VT5	1600	3VT9516-6DT00	37880.-	1

### Benefits of interchangeable trip units

- Suitable for various applications
- Easy upgradation at site

Note: The ordering of the microprocessor based MCCB would involve

## Main switching unit + Trip unit



Main switching unit



Trip unit



Complete unit

\$: Please note 3VT4 & 3VT5 trip unit prices are only for 3 pole

Std. Pkg. = 1 unit

\* LP - List Price

## Accessories for 3VT1...5

Accessory		3VT1 Type	Unit LP* ₹	3VT2 Type	Unit LP* ₹	3VT3 Type	Unit LP* ₹	3VT4/5 Type	Unit LP* ₹	
Auxiliary Switch		3VT9100-2AB10 (Changeover Switch)	1460.-	3VT9300-2AF10 (1NO+1NC)	2260.-	3VT9300-2AF10 (1NO+1NC)	2260.-	3VT9500-2AF10 (2NO+2NC)	3750.-	
				3VT9300-2AC10 (1NO)	1140.-	3VT9300-2AC10 (1NO)	1140.-			
Alarm Switch		3VT9100-2AH10 (Changeover Switch)	1460.-	3VT9300-2AD10 (1NC)	1140.-	3VT9300-2AD10 (1NC)	1140.-			
Shunt Release		AC 230V/ DC 220V	3VT9100-1SE00@	1975.-	3VT9300-1SE00\$	2560.-	3VT9300-1SE00\$	2560.-	3VT9500-1SJ00	2825.-
		AC/DC 110V	3VT9100-1SD00	1975.-	3VT9300-1SD00	2560.-	3VT9300-1SD00	2560.-	3VT9500-1SH00	2825.-
Under-voltage Release		AC 230V/ DC 220V	3VT9100-1UE00^	2430.-	3VT9300-1UE00\$	3100.-	3VT9300-1UE00\$	3100.-	3VT9500-1UJ00	3070.-
Spreader Links <sup>a</sup>		one set = 3 links (3 pole)	3VT9100-4ED30	670.-	3VT9200-4ED30-ORCO	855.-	3VT9300-4ED30-ORCO	1150.-		
		4 pole spreaders (one set = 4 links + 3 phase barriers)	3VT9100-4ED40-ORCO	870.-	3VT9200-4ED40-ORCO	1140.-	3VT9300-4ED40-ORCO	1485.-		
Motorised Drive		AC 230 V/ DC 220 V	3VT9100-3ME00*	8595.-	3VT9200-3MQ00	28150.-	3VT9300-3MQ00	29255.-	3VT9500-3MQ00	54845.-
		Extension cable <sup>3</sup>	3VT9100-3MF00	1615.-	3VT9300-3MF00	1615.-	3VT9300-3MF00	1615.-		
Phase Barriers		One set = 2 Pcs.	3VT9100-8CE30	610.-	3VT9300-8CE30	855.-	3VT9300-8CE30	855.-	3VT9500-8CE30	940.-
Panel door mounted rotary operating handles <sup>2</sup>		1 set **	3VT9100-3HQ00	1935.-	3VT9200-3HQ00	2455.-	3VT9300-3HQ00	2645.-	3VT9500-3HQ00	5620.-
Castell Interlock Kit <sup>1</sup>		1 set (1 lock + 1 key)	8UC60700YQ..	4175.-	8UC60701YQ..	4175.-	8UC60701YQ..	4175.-	8UC60702YQ..	4285.-

### Earth fault monitoring relay

Description	Type	Unit LP* ₹
Earth fault monitoring relay	• Auxiliary voltage: 85-270V AC/DC • Change over contact: 2C/O • Width: 35mm module	7UG0861-1BU20 4435.-
CBCT for EFR: 160 frame Suitable for 3VT1	3P	7UG09910 1560.-
	4P	7UG09911 1775.-
CBCT for EFR: 250 frame Suitable for 3VT2	3P	7UG09912 1885.-
	4P	7UG09913 2220.-
CBCT for EFR: 630 frame Suitable for 3VT3	3P	7UG09914 2775.-
	4P	7UG09915 3000.-

### Earth leakage monitoring relay

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG08411CB20 4290.-
	230VAC	7UG08421CD20 4335.-
CBCT for ELR	35 mm dia	7UG0996 1580.-
	70 mm dia	7UG0997 1800.-
	120 mm dia	7UG0999 3035.-
	210 mm dia	7UG0994 5210.-
	310 mm dia	7UG0995 8100.-

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

#### 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 AO, OB, OC, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.
- For direct & lateral mounted handles please contact your nearest Sales Office.
- For motorized operating mechanism, 12 wires, length 60 cm. Pre wired motorised drive cable to be ordered separately along with the motorised drive

- # Lateral Motorised Drive
- @ Also suitable for 400V AC
- \$ Also suitable for 400/500V AC
- ^ Not suitable for 220V DC, suitable for 400V AC
- & For special version spreader links with higher phase to phase clearance please contact your nearest Sales Office**
- \*\* 1 set contains rotary mechanism, coupler, shaft and door drive

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



A large, industrial-grade Siemens SIVACON switchboard is shown in a studio setting. The unit is tall and modular, with a dark grey frame and light grey panels. The word 'SIVACON' is printed vertically in large white letters on the left side. The top of the unit features several 'SIEMENS SIVACON' logos and labels for different sections, such as '+NA01', '+NA02', and '+NA03'. The background is a plain, light blue wall.

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## 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 failproof safety & service. In conformance to the IEC 61439-1&2, SIVACON S8 guarantees high performance, maximum safety and compact modularity.

These switchboards help industries and buildings significantly reduce investment costs and space.

### **Benefits**

- Superior safety, performance reliability and unmatched space saving
- SIVACON Assurance - Maintenance-free for life

### **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

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Technology  
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**SIEMENS**

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

## 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		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL160X VL160X = 3VL1	16	3VL1796-1DA36-0AA0	13745.-	3VL1796-1EH46-0AA0	17935.-	1
	20	3VL1702-1DA36-0AA0	13745.-	3VL1702-1EH46-0AA0	17935.-	1
	32	3VL1703-1DA36-0AA0	13745.-	3VL1703-1EH46-0AA0	17935.-	1
	63	3VL1706-1DA36-0AA0	13745.-	3VL1706-1EH46-0AA0	17935.-	1
	100	3VL1710-1DA36-0AA0	14375.-	3VL1710-1EH46-0AA0	18740.-	1
	125	3VL1712-1DA36-0AA0	20215.-	3VL1712-1EH46-0AA0	23645.-	1
	160	3VL1716-1DA36-0AA0	25170.-	3VL1716-1EH46-0AA0	29930.-	1

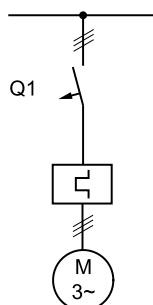
3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2	20	3VL1702-1DD36-0AA0	19625.-	3VL1702-1EA46-0AA0#	26170.-	1
	32	3VL1703-1DD36-0AA0	19625.-	3VL1703-1EA46-0AA0#	26170.-	1
	63	3VL1706-1DD36-0AA0	19625.-	3VL2706-1EM46-0AA0	26170.-	1
	100	3VL1710-1DD36-0AA0	20525.-	3VL2710-1EM46-0AA0	27370.-	1
	125	3VL1712-1DD36-0AA0	23450.-	3VL2712-1EM46-0AA0	29805.-	1
	160	3VL1716-1DD36-0AA0	29445.-	3VL2716-1EM46-0AA0	38545.-	1
VL 250	200	3VL3720-1DC36-0AA0	41130.-	3VL3720-1EM46-0AA0	57385.-	1
	250	3VL3725-1DC36-0AA0	44615.-	3VL3725-1EM46-0AA0	57385.-	1
VL 400	315	3VL4731-1DC36-0AA0	58915.-	3VL4731-1EM46-0AA0	71895.-	1
	400	3VL4740-1DC36-0AA0	58915.-	3VL4740-1EM46-0AA0	71895.-	1
VL 630	500	3VL5750-1DC36-0AA0	67435.-	3VL5750-1EM46-0AA0	80190.-	1
	630	3VL5763-1DC36-0AA0	67435.-	3VL5763-1EM46-0AA0	80190.-	1

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		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL160X / VL160 VL160X = 3VL1 VL160 = 3VL2	20	3VL1702-2DD36-0AA0	31425.-	3VL1702-2EA46-0AA0#	40095.-	1
	32	3VL1703-2DD36-0AA0	31425.-	3VL1703-2EA46-0AA0#	40095.-	1
	63	3VL1706-2DD36-0AA0	31425.-	3VL2706-2EM46-0AA0	40095.-	1
	100	3VL1710-2DD36-0AA0	31425.-	3VL2710-2EM46-0AA0	40095.-	1
	125	3VL1712-2DD36-0AA0	44790.-	3VL2712-2EM46-0AA0	58345.-	1
	160	3VL1716-2DD36-0AA0	46745.-	3VL2716-2EM46-0AA0	59915.-	1
VL 250	200	3VL3720-2DC36-0AA0	50670.-	3VL3720-2EM46-0AA0	68930.-	1
	250	3VL3725-2DC36-0AA0	55150.-	3VL3725-2EM46-0AA0	68930.-	1
VL 400	315	3VL4731-2DC36-0AA0	59200.-	3VL4731-2EM46-0AA0	76960.-	1
	400	3VL4740-2DC36-0AA0	59200.-	3VL4740-2EM46-0AA0	76960.-	1
VL 630	500	3VL5750-2DC36-0AA0	74115.-	3VL5750-2EM46-0AA0	97110.-	1
	630	3VL5763-2DC36-0AA0	74115.-	3VL5763-2EM46-0AA0	97110.-	1

### 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)		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL160	63 A	3VL2706-1DK36-0AA0	23700.-	3VL2706-2DK36-0AA0	29545.-	1
	100 A	3VL2710-1DK36-0AA0	23700.-	3VL2710-2DK36-0AA0	29545.-	1
	160 A	3VL2716-1DK36-0AA0	35710.-	3VL2716-2DK36-0AA0	45820.-	1
VL250	250 A	3VL3725-1DK36-0AA0	48025.-	3VL3725-2DK36-0AA0	54520.-	1
VL400	315 A	3VL4731-1DK36-0AA0	56340.-	3VL4731-2DK36-0AA0	58790.-	1
VL630	500 A	3VL5750-1DK36-0AA0	64885.-	3VL5750-2DK36-0AA0	67775.-	1

# Fixed overload & fixed short circuit with neutral protection

Std. Pkg. = 1 unit

\* LP - List Price

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

Frame size	Rated current (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL 160	63	3VL2706-1SB36-0AA0	36295.-	3VL2706-1TA46-0AA0	47330.-	1
	100	3VL2710-1SB36-0AA0	36295.-	3VL2710-1TA46-0AA0	47330.-	1
	160	3VL2716-1SB36-0AA0	46065.-	3VL2716-1TA46-0AA0	63580.-	1
VL 250	200	3VL3720-1SB36-0AA0	61315.-	3VL3720-1TA46-0AA0	78735.-	1
	250	3VL3725-1SB36-0AA0	61315.-	3VL3725-1TA46-0AA0	78735.-	1
VL 400	315	3VL4731-1SB36-0AA0	66425.-	3VL4731-1TA46-0AA0	87925.-	1
	400	3VL4740-1SB36-0AA0	66425.-	3VL4740-1TA46-0AA0	87925.-	1
VL 630	630	3VL5763-1SB36-0AA0	74650.-	3VL5763-1TA46-0AA0	118190.-	1
VL 800	800	3VL6780-1SB36-0AA0	105095.-	3VL6780-1TA46-0AA0	149650.-	1
VL 1250	1000	3VL7710-1SB36-0AA0	143930.-	3VL7710-1TA46-0AA0	220980.-	1
	1250	3VL7712-1SB36-0AA0	184655.-	3VL7712-1TA46-0AA0	283370.-	1
VL 1600	1600	3VL8716-1SB30-0AA0	245155.-	3VL8716-1TA40-0AA0	332705.-	1

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

Frame size	Rated current (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL 160	63	3VL2706-2SB36-0AA0	43545.-	3VL2706-2TA46-0AA0	53945.-	1
	100	3VL2710-2SB36-0AA0	43545.-	3VL2710-2TA46-0AA0	53945.-	1
	160	3VL2716-2SB36-0AA0	57100.-	3VL2716-2TA46-0AA0	72890.-	1
VL 250	200	3VL3720-2SB36-0AA0	63410.-	3VL3720-2TA46-0AA0	92345.-	1
	250	3VL3725-2SB36-0AA0	63410.-	3VL3725-2TA46-0AA0	92345.-	1
VL 400	315	3VL4731-2SB36-0AA0	69550.-	3VL4731-2TA46-0AA0	106005.-	1
	400	3VL4740-2SB36-0AA0	69550.-	3VL4740-2TA46-0AA0	106005.-	1
VL 630	630	3VL5763-2SB36-0AA0	82670.-	3VL5763-2TA46-0AA0	131595.-	1
VL 800	800	3VL6780-2SB36-0AA0	124815.-	3VL6780-2TA46-0AA0	163970.-	1
VL 1250	1000	3VL7710-2SB36-0AA0	191050.-	3VL7710-2TA46-0AA0	281770.-	1
	1250	3VL7712-2SB36-0AA0	226050.-	3VL7712-2TA46-0AA0	316795.-	1
VL 1600	1600	3VL8716-2SB30-0AA0	273830.-	3VL8716-2TA40-0AA0	335065.-	1

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

Frame size	Rated current (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL 160	63	3VL2706-1SL36-0AA0	43820.-	3VL2706-1TN46-0AA0	55590.-	1
	100	3VL2710-1SL36-0AA0	43820.-	3VL2710-1TN46-0AA0	55590.-	1
	160	3VL2716-1SL36-0AA0	53970.-	3VL2716-1TN46-0AA0	72435.-	1
VL 250	200	3VL3720-1SL36-0AA0	74400.-	3VL3720-1TN46-0AA0	93180.-	1
	250	3VL3725-1SL36-0AA0	74400.-	3VL3725-1TN46-0AA0	93180.-	1
VL 400	315	3VL4731-1SL36-0AA0	80285.-	3VL4731-1TN46-0AA0	104710.-	1
	400	3VL4740-1SL36-0AA0	80285.-	3VL4740-1TN46-0AA0	104710.-	1
VL 630	630	3VL5763-1SL36-0AA0	87155.-	3VL5763-1TN46-0AA0	129885.-	1
VL 800	800	3VL6780-1SL36-0AA0	119305.-	3VL6780-1TN46-0AA0	163175.-	1
VL 1250	1000	3VL7710-1SL36-0AA0	157870.-	3VL7710-1TN46-0AA0	234860.-	1
	1250	3VL7712-1SL36-0AA0	197130.-	3VL7712-1TN46-0AA0	294995.-	1
VL 1600	1600	3VL8716-1SL30-0AA0	255430.-	3VL8716-1TN40-0AA0	342555.-	1

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

Frame size	Rated current (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL 160	63	3VL2706-2SL36-0AA0	46680.-	3VL2706-2TN46-0AA0	62455.-	1
	100	3VL2710-2SL36-0AA0	51350.-	3VL2710-2TN46-0AA0	62455.-	1
	160	3VL2716-2SL36-0AA0	65430.-	3VL2716-2TN46-0AA0	95455.-	1
VL 250	200	3VL3720-2SL36-0AA0	76605.-	3VL3720-2TN46-0AA0	107485.-	1
	250	3VL3725-2SL36-0AA0	76605.-	3VL3725-2TN46-0AA0	107485.-	1
VL 400	315	3VL4731-2SL36-0AA0	85345.-	3VL4731-2TN46-0AA0	123000.-	1
	400	3VL4740-2SL36-0AA0	85345.-	3VL4740-2TN46-0AA0	123000.-	1
VL 630	630	3VL5763-2SL36-0AA0	94880.-	3VL5763-2TN46-0AA0	142825.-	1
VL 800	800	3VL6780-2SL36-0AA0	138335.-	3VL6780-2TN46-0AA0	176975.-	1
VL 1250	1000	3VL7710-2SL36-0AA0	203275.-	3VL7710-2TN46-0AA0	294340.-	1
	1250	3VL7712-2SL36-0AA0	237010.-	3VL7712-2TN46-0AA0	327210.-	1
VL 1600	1600	3VL8716-2SL30-0AA0	283025.-	3VL8716-2TN40-0AA0	360940.-	1

L: Overload protection

I: Short circuit protection

G: Ground fault protection

Std. Pkg. = 1 unit

\* LP - List Price

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		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL400	400	3VL4740-1DE36-0AA0	48055.-	3VL4740-1EE46-0AA0	58790.-	1
VL630	630	3VL5763-1DE36-0AA0	53780.-	3VL5763-1EE46-0AA0	62435.-	1
VL800	800	3VL6780-1DE36-0AA0	85565.-	3VL6780-1EE46-0AA0	102690.-	1
VL1250	1250	3VL7712-1DE36-0AA0	142650.-	3VL7712-1EE46-0AA0	217155.-	1
VL1600	1600	3VL8716-1DE30-0AA0	228245.-	3VL8716-1EE40-0AA0	288755.-	1

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		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL400	400	3VL4740-2DE36-0AA0	54465.-	3VL4740-2EE46-0AA0	65875.-	1
VL630	630	3VL5763-2DE36-0AA0	62245.-	3VL5763-2EE46-0AA0	76415.-	1
VL800	800	3VL6780-2DE36-0AA0	102885.-	3VL6780-2EE46-0AA0	137290.-	1
VL1250	1250	3VL7712-2DE36-0AA0	186195.-	3VL7712-2EE46-0AA0	231705.-	1
VL1600	1600	3VL8716-2DE30-0AA0	236015.-	3VL8716-2EE40-0AA0	297405.-	1

## Accessories for 3VL

Frame	VL 160 X / VL 160 / VL 250 / VL 400		VL 630 / VL 800 / VL 1250 / VL 1600		Std. pkg. (nos.)	
	Accessory	Type	Unit LP* ₹	Type		Unit LP* ₹
Auxiliary switch	3VL9400-2AB00 (1NO + 1NC)	2245.-	3VL9800-2AC00 (2NO + 2NC)	4120.-	1	
Auxiliary switch + Alarm switch	3VL9400-2AD00 (1NO + 1NC & 1NO)	3455.-	3VL9800-2AE00 (1NO + 1NC & 1NO)	4790.-	1	
Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC	3VL9400-1UG00	5285.-	3VL9800-1UG00	6265.-	1	
	3VL9400-1UH00	5285.-	3VL9800-1UH00	6265.-	1	
	3VL9400-1UJ00	5285.-	3VL9800-1UJ00	6265.-	1	
	3VL9400-1UR00	5285.-	3VL9800-1UR00	6265.-	1	
Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC	3VL9400-1SC00	3975.-	3VL9800-1SC00	5295.-	1	
	3VL9400-1SK00	3975.-	3VL9800-1SK00	5295.-	1	
	3VL9400-1SR00	3975.-	3VL9800-1SR00	5295.-	1	
	3VL9400-1ST00	3975.-	3VL9800-1ST00	5295.-	1	
Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility)	3VL9.00-3HQ00		3VL9600-3HQ00 (VL630-VL800)	5190.-	1	
	1 (For VL 160X)	3175.-				
	3 (For VL 160/250)	3210.-	3VL9800-3HF05 (VL1250-VL1600)	11800.-	1	
Castell interlock kit* (To interlock two or more circuit breakers)	8UC6070-1YQ.. (For VL160X/VL160/VL250)	4175.-	8UC6070-2YQ.. (For VL630/VL800)	4285.-	1	
	8UC6070-2YQ.. (For VL400)	4285.-				
Motorised drive (Motorised operator-MO) 230-250V AC/DC	3VL9.00-3ME10		3VL9600-3ME10 (for VL630/800)	32980.-	1	
	1 (For VL160X)	22915.-				
	3 (For VL160/250)	24750.-				
Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC	3VL9.00-3MQ00		3VL9.00-3MQ00	64370.-	1	
	3 (For VL160X/VL160/VL250)	38075.-				6 (For VL630-VL800)
	4 (For VL 400)	51220.-				8 (For VL1250-VL1600)
Spreader links (with phase barriers)	3VL9216-4ED30 (VL160X/VL160-3P)	1340.-	3VL9500-4ED30 (VL630-3P)	2360.-	1	
	3VL9216-4ED40 (VL160X/VL160-4P)	1640.-	3VL9500-4ED40 <sup>SS</sup> (VL630-4P)	2615.-	1	
	3VL9300-4ED30 (VL250-3P)	1780.-	3VL9600-4ED30 (VL800-3P)	2870.-	1	
	3VL9300-4ED40 (VL250-4P)	2295.-	3VL9600-4ED40 <sup>SS</sup> (VL800-4P)	3250.-	1	
	3VL9400-4ED30 (VL400-3P)	2155.-	NA (for VL1250 / VL1600)			
	3VL9400-4ED40 (VL400-4P)	2460.-				

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, OB, OC, 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>SS</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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# Energy Management System

## (A) Hardware Solutions

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



Description	Type	Unit LP* ₹
SMART 7KT Multifunction Meter	7KT0310	13100.-

Description	Type	Unit LP* ₹
<b>PAC 3100</b> 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	26940.-
<b>PAC 3200</b> 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 <sup>#</sup>	43615.-
<b>PAC 4200</b> 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 <sup>#</sup>	Upon Enquiry

### Expansion Modules (for PAC3200 and PAC4200)

Description	Type	Unit LP* ₹
PROFIBUS DP expansion module	7KM9300-0AB01-0AA0	15585.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	12555.-
Switched Ethernet PROFINET expansion module	7KM9300-0AE01-0AA0	Upon Enquiry
Digital Expansion Module 4DI/2DO <sup>§</sup>	7KM9200-0AB00-0AA0	Upon Enquiry

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

<sup>§</sup> To be used only with PAC 4200. Maximum 2 no.s can be connected if communication expansion module is not connected.  
For exact configuration, please contact the nearest Sales Office.

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

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

### PAC 3100: 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

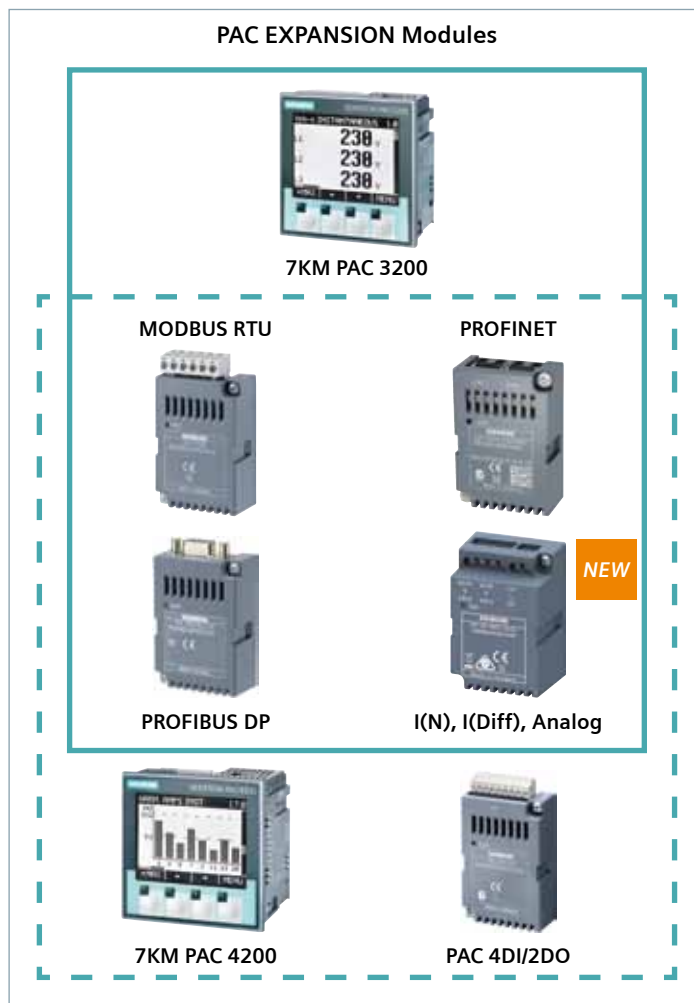
### PAC 3200: Specialist solution for precise energy data capture

- Dual Metering function
- Integrated 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

### PAC EXPANSION Modules



## (B) Software Solution

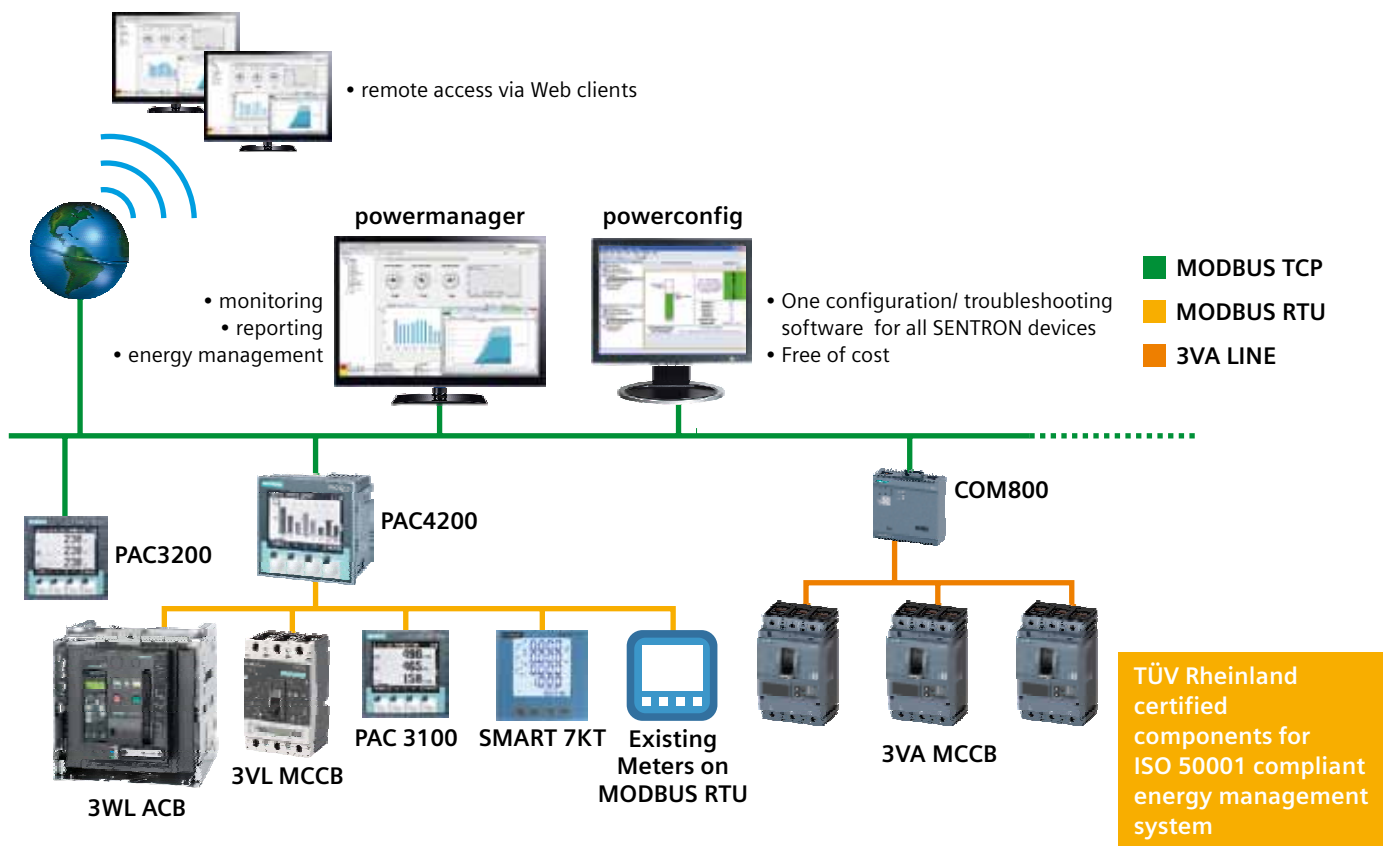
Description	Unit LP* ₹
SETRON powermanager: Complete Energy Management Software	Upon Enquiry

Std. Pkg. = 1 unit

\* LP - List Price



# Single Platform Energy Management Solution for LV power distribution



Energy Management System



## Professional Solution for Power Quality Measurement

SENTRON 7KM PAC 5100/5200

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

- 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.*

## 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	23260.-
PAC 2200 DIN rail meter with integrated ethernet port for MODBUS TCP 65A direct connection Class 1 accuracy	7KM2200-2EA40-1EA1	Upon Enquiry
PAC3200T DIN rail meter with integrated ethernet port for MODBUS TCP High accuracy of class 0.5 Without display	7KM3200-0CA01-1AA0	Upon Enquiry

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

## Compact Solution for Energy Monitoring

SETRON 7KT PAC 1600 DIN Rail mounted Energy Meters

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

- 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



# SIEMENS

*Ingenuity for life*



SENTRON

## 3NJ4 Fuse Switch Disconnecter

Maximum safety and minimized mounting  
width

Compliant with IEC/EN 60439-1, IEC/EN 60947-3

Rated operational current: 160 A to 2000 A

Operating Voltage up to 690 V AC

1-pole or 3-pole switchable

Vertical mounting on busbars

Application: Power distribution of Utility, Automobile etc.

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



# SENTRON 3NP1 Fuse Switch Disconnecter up to 630A

## Reliable safety of personnel and systems



### Overview

- Available in five frame sizes from 100 to 630 A
- Suitable for DIN size mounting
- 1-, 2-, 3- and 4-pole switchable

### Application:

- Main and auxiliary circuits
- For intermittent switching
- VFD/ Soft Starter/ Capacitor panels

### Benefits:

- Fuse puller is not required
- Mounting flexibility: Base / DIN / busbar
- Utilization category: AC20/ DC20 @ 1000V AC/DC

## 3NP1 with Floor mounting



### 3NP1 without fuse monitoring

Rated current (A)	3NP1 Size	Fuse DIN size	Poles	Terminals Type <sup>2)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	1	Box	3NP1121-1CA20	3010.-
			3	Box	3NP1123-1CA20	5280.-
			4	Box	3NP1124-1CA20	9550.-
160	00	000, 00	1	Flat	3NP1131-1CA10	3150.-
			3	Flat	3NP1133-1CA10	5520.-
			4	Flat	3NP1134-1CA10	9955.-
250	1	00, 1	1	Flat	3NP1141-1DA10	9230.-
			3	Flat	3NP1143-1DA10	16155.-
			4	Flat	3NP1144-1DA10	27450.-
400	2	1, 2	1	Flat	3NP1151-1DA10	12700.-
			3	Flat	3NP1153-1DA10	22140.-
			4	Flat	3NP1154-1DA10	37130.-
630	3	2, 3	1	Flat	3NP1161-1DA10	16900.-
			3	Flat	3NP1163-1DA10	29660.-
			4	Flat	3NP1164-1DA10	49260.-

### 3NP1 3-pole with Mechanical fuse monitoring

Rated current (A)	Terminals Type <sup>2)</sup>	Type	Unit LP* ₹
160	Flat	3NP1133-1CA11	20050.-
250	Flat	3NP1143-1DA11	30355.-
400	Flat	3NP1153-1DA11	36480.-
630	Flat	3NP1163-1DA11	44135.-

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



Rated current (A)	Poles	Terminals Type <sup>2)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	1	Box	3NP1121-1CA24	10545.-
	3	Box	3NP1123-1CA24	16325.-
160	1	Flat	3NP1131-1CA14	10690.-
	3	Flat	3NP1133-1CA14	16470.-
250	1	Flat	3NP1141-1DA14	16760.-
	3	Flat	3NP1143-1DA14	27450.-
400	1	Flat	3NP1151-1DA14	20370.-
	3	Flat	3NP1153-1DA14	33950.-
630	1	Flat	3NP1161-1DA14	24560.-
	3	Flat	3NP1163-1DA14	41465.-

1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00

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.

Std. Pkg. = 1 unit

\* LP - List Price

### 3NP1 with 8US busbar system



#### 3NP1 with 40mm 8US busbar system <sup>3)</sup>

3NP1 without fuse monitoring

Rated current (A)	3NP1 Size	Poles	Terminals Type	Type	Unit LP* ₹
100 <sup>1)</sup>	000	3	Box	3NP1123-1BB20	7395.-
160	00		Flat	3NP1133-1BB10	8385.-
			Box	3NP1133-1BB20	8925.-

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

3NP1 without fuse monitoring



Rated current (A)	3NP1 Size	Poles	Terminals Type <sup>2)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	3	Box	3NP1123-1BC20	7815.-
100		4		3NP1124-1BC20	13490.-
160	00	3	Flat	3NP1133-1BC10	8385.-
		4	Flat	3NP1134-1BC10	14590.-
250	1	3	Flat	3NP1143-1BC10	26735.-
		4	Flat	3NP1144-1BC10	43190.-
400	2	3	Flat	3NP1153-1BC10	34255.-
		4	Flat	3NP1154-1BC10	56195.-
630	3	3	Flat	3NP1163-1BC10	43860.-
		4	Flat	3NP1164-1BC10	72375.-

### Accessories for 3NP1



#### Auxiliary contact (1CO type)

3NP1 Size	Type	Unit LP* ₹
000	3NP1920-1FA00	1260.-
00	3NP1930-1FA00	1260.-
1,2,3	3NP1940-1FA00	1365.-



#### Feeder terminals for 3NP1121/ 23 for use up to 160A

3NP1 Size	Poles	Terminals type	Type	Unit LP* ₹
000	1	Box	3NP1921-1BD00	1590.-
	3		3NP1923-1BD00	3545.-



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

3NP1 Size	Type	Unit LP* ₹
000	3NP1921-1EC00	Price on request
00	3NP1931-1EC00	
1,2,3	3NP1941-1EC00	



#### Assembly kit for mounting 3NP1 floor type on 8US 60mm busbar system <sup>4)</sup>

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

1) Can be used up to 160A along with an accessory feeder terminal 3NP1923-1BD00

2) Box type terminals available for higher ratings 3NP1.

3) 3NP1 also available for Rittal RiLine 60 busbar system with base

4) Contains all parts for assembly and connection.

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

## Superswitch 3KL/3KA

- Wide range : Upto 800A in SDF and 1600A in SDs
- Available in DP,TP,TPN & TPSN variants
- Suitable for isolation as per IS/IEC 60947
- Unique positive off indication
- Suitable for AC23 Duty

- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable for power distribution as well as motor protection



DP



TP



TPN



TPSN

### Switch Disconnector fuse, 3KL8<sup>1)</sup>, 2 Pole (in Open Execution)

Rated Current I <sub>e</sub> @ 690V 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
100A	3KL8211-2TA00	5910.-	1
125A	3KL8221-2TA00	7505.-	1
160A	3KL8231-2TA00	7805.-	1
200A	3KL8311-2UA00	9925.-	1
250A	3KL8321-2UA00	11795.-	1
315A	3KL8331-2UA00	15030.-	1
400A <sup>5</sup>	3KL8341-2UA00	17915.-	1
500A	3KL8411-2UA00	24665.-	1
630A	3KL8421-2UA00	28930.-	1
800A <sup>5</sup>	3KL8431-2UA00	33385.-	1

### Switch Disconnector fuse, 3KL8<sup>1)</sup>, 3 Pole<sup>3)</sup>, for Motor Feeder Protection (in Open Execution)

Rated current I <sub>e</sub> @ 690V AC, 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-1TA00	2140.-	1
32A	3KL8121-1TA00	2175.-	1
63A	3KL8151-1TA00	3100.-	1
100A	3KL8211-1TA00	6065.-	1
125A	3KL8221-1TA00	7665.-	1
160A	3KL8231-1TA00	8485.-	1
200A	3KL8311-1UA00	11505.-	1
250A	3KL8321-1UA00	13655.-	1
315A	3KL8331-1UA00	16875.-	1
400A <sup>5</sup>	3KL8341-1UA00	20325.-	1
500A	3KL8411-1UA00	31215.-	1
630A	3KL8421-1UA00	32660.-	1
800A <sup>5</sup>	3KL8431-1UA00	35385.-	1

### Switch Disconnector fuse: 3KL8<sup>1)</sup> for power distribution and motor protection (in Open Execution TPN) <sup>^3)</sup> **NEW**

Rated current I <sub>e</sub> @ 690V AC 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	2155.-	3KL8111-5TJ00	2145.-	3KL8111-5TC00	2105.-	1
32A	3KL8121-5TA00	2215.-	3KL8121-5TJ00	2205.-	3KL8121-5TC00	2150.-	1
63A	■ 3KL8151-5TA00	3125.-	3KL8151-5TJ00	3080.-	3KL8151-5TC00	2985.-	1
100A	■ 3KL8211-5TA00	6175.-	3KL8211-5TJ00	6230.-	-	-	1
125A	■ 3KL8221-5TA00	8150.-	3KL8221-5TJ00	8190.-	-	-	1
160A	■ 3KL8231-5TA00	8810.-	3KL8231-5TJ00	8940.-	-	-	1
200A	3KL8311-5UA00	11565.-	3KL8311-5UJ00	11910.-	-	-	1
250A	3KL8321-5UA00	13735.-	3KL8321-5UJ00	14115.-	-	-	1
315A	3KL8331-5UA00	16975.-	3KL8331-5UJ00	17415.-	-	-	1
400A <sup>5</sup>	3KL8341-5UA00	20455.-	3KL8341-5UJ00	20955.-	-	-	1
500A	3KL8411-5UA00	31700.-	3KL8411-5UJ00	32425.-	-	-	1
630A	3KL8421-5UA00	32870.-	3KL8421-5UJ00	33600.-	-	-	1
800A <sup>5</sup>	3KL8431-5UA00	35610.-	3KL8431-5UJ00	36405.-	-	-	1

### Switch Disconnector fuse, 3KL8<sup>1)</sup>, TPSN<sup>2) # 4)</sup> (in Open Execution)

Rated current I <sub>e</sub> @ 690V AC, 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
200A	3KL8311-4UA00	13505.-	1
250A	3KL8321-4UA00	15735.-	1
315A	3KL8331-4UA00	19435.-	1
400A <sup>5</sup>	3KL8341-4UA00	23425.-	1
500A	3KL8411-4UA00	36310.-	1
630A	3KL8421-4UA00	37640.-	1
800A <sup>5</sup>	3KL8431-4UA00	40790.-	1

^ TPN is 3 Pole with neutral link

# TPSN is 3 Pole with switched neutral

\$ Rating AC23A @ 550V, this can be utilised to AC23B @ 690V.

- 1) 3KL8 is rated for 690V, 50Hz, AC23A Utilisation Category.
- 2) For ratings upto 160A, add on switched neutral kit to be used.
- 3) 3KL8 TP/TPN SDFs: Unit MRP's are inclusive of front drive (Handle) kit and phase barriers
- 4) 3KL8 DP/TPSN SDFs: Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover and phase barriers

Notes: All SDF Unit MRPs are without fuses

All Superswitch's are supplied with Front drive (Handle) as standard

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

# Superswitch 3KL/3KA

Switch Disconnector fuse: 3KL8<sup>^</sup> for power distribution and motor protection (in Open Execution TPN)<sup>3)4)</sup>

Rated current I <sub>n</sub> @ 690V AC, 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	2540.-	3KL8111-3TJ00	2460.-	3KL8111-3TC00	2500.-	1
32A	3KL8121-3TA00	2605.-	3KL8121-3TJ00	2545.-	3KL8121-3TC00	2580.-	1
63A	3KL8151-3TA00	3675.-	3KL8151-3TJ00	3555.-	3KL8151-3TC00	3585.-	1
100A	3KL8211-3TA00	7340.-	3KL8211-3TJ00	7200.-			1
125A	3KL8221-3TA00	9600.-	3KL8221-3TJ00	9470.-			1
160A	3KL8231-3TA00	10470.-	3KL8231-3TJ00	10330.-			1
200A	3KL8311-3UA00	13380.-	3KL8311-3UJ00	13510.-			1
250A	3KL8321-3UA00	15735.-	3KL8321-3UJ00	16015.-			1
315A	3KL8331-3UA00	19450.-	3KL8331-3UJ00	19765.-			1
400A\$	3KL8341-3UA00	23435.-	3KL8341-3UJ00	23785.-			1
500A	3KL8411-3UA00	36660.-	3KL8411-3UJ00	36795.-			1
630A	3KL8421-3UA00	37665.-	3KL8421-3UJ00	38125.-			1
800A\$	3KL8431-3UA00	40800.-	3KL8431-3UJ00	41320.-			1

Factory fitted CYL type SDFs in SS Enclosure now available



Switch disconnector fuse in SS Enclosure<sup>1)</sup>: 3KL8 (TPN)<sup>2)</sup> **NEW**

Rated current I <sub>n</sub> @ 690V AC, 50Hz	Suitable fuse type	Switch Disconnector Fuse	Unit MRP* ₹	Std. pkg. (nos.)
20A	DIN	3KL8111-5TA10	4550.-	1
	BS	3KL8111-5TJ10	4475.-	1
	CYL	3KL8111-5TC10	4395.-	1
32A	DIN	3KL8121-5TA10	4670.-	1
	BS	3KL8121-5TJ10	4615.-	1
	CYL	3KL8121-5TC10	4530.-	1
63A	DIN	3KL8151-5TA10	5550.-	1
	BS	3KL8151-5TJ10	5425.-	1
	CYL	3KL8151-5TC10	5295.-	1
100A	DIN	3KL8211-5TA10	9040.-	1
	BS	3KL8211-5TJ10	8915.-	1
125A	DIN	3KL8221-5TA10	10720.-	1
	BS	3KL8221-5TJ10	10615.-	1
160A	DIN	3KL8231-5TA10	11500.-	1
	BS	3KL8231-5TJ10	11390.-	1
200A	DIN	3KL8311-5UA10	15745.-	1
	BS	3KL8311-5UJ10	15865.-	1
250A	DIN	3KL8321-5UA10	17850.-	1
	BS	3KL8321-5UJ10	17970.-	1
315A	DIN	3KL8331-5UA10	21230.-	1
	BS	3KL8331-5UJ10	21350.-	1
400A\$	DIN	3KL8341-5UA10	24695.-	1
	BS	3KL8341-5UJ10	24805.-	1
500A	DIN	3KL8411-5UA10	37720.-	1
	BS	3KL8411-5UJ10	37840.-	1
630A	DIN	3KL8421-5UA10	40055.-	1
	BS	3KL8421-5UJ10	40175.-	1
800A\$	DIN	3KL8431-5UA10	43005.-	1
	BS	3KL8431-5UJ10	43120.-	1

Switch disconnector: 3KA8<sup>^</sup> (in Open Execution TPN)

Rated current I <sub>n</sub> @ 690V AC, 50Hz	Switch Disconnector	Unit MRP* ₹	Std. pkg. (nos.)
63A	3KA8151-3TE00	3785.-	1
100A	3KA8211-3TE00	6485.-	1
125A	3KA8221-3TE00	8095.-	1
160A	3KA8231-3TE00	8155.-	1
200A	3KA8311-3UE00	11415.-	1
250A	3KA8321-3UE00	14030.-	1
400A	3KA8341-3UE00	20670.-	1
630A	3KA8351-3UE00	30220.-	1
800A	3KA843□-3UE00	33800.-	1
1000A*	3KA844□-3UE00	40325.-	1
1250A*	3KA845□-3UE00	54775.-	1
1600A*	3KA846□-3UE00	69930.-	1

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



**NEW**  
SS Enclosure<sup>1)</sup> for 3KL/3KA

Current rating	Type	Unit MRP* ₹	Std. pkg. (nos.)
20A- 80A	3KX8155-4AC	2475.-	1
100A-160A	3KX8235-4AC	2895.-	1
200A-400A	3KX8345-4AC	3850.-	1
500A-800A	3KX8435-4AC <sup>\$\$</sup>	6315.-	1

Please note: SDF/SD to be ordered separately.

\$\$ For applications above 800A, recommended to be used along with gland box 3KX8435-4DC

Note:

- 1) SS Stands for Sheet Steel  
SS Enclosures are supplied without gland plates as standard
- 2) TPN is 3 Pole with neutral link.
- 3) TPN is 3 Pole with isolable neutral
- 4) 3KL8 TPN SDFs: Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover, isolable neutral cover, and phase barriers.

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

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

@ Rating AC21 at 500V, 50Hz

\$ Rating AC23A @ 550V, this can be utilised to AC23B @ 690V

All SDF Unit MRP's are without fuses

All Superswitch's are supplied with Front drive (Handle) as standard

3KL8 TPN SDF in SS Enclosure execution: Unit MRP's are inclusive of front drive (Handle) kit and phase barriers.

## Accessories for Superswitch 3KL8/3KA8

Description	3KL811/12/15 3KA815	Unit MRP* ₹	3KL821/22/23 3KA821/22/23	Unit MRP* ₹	3KL831/32/33/34 3KA831/32/34/35	Unit MRP* ₹	3KL841/42/43 3KA843/44/45/46	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	325.-	3KX8230-0AC	460.-	3KX8340-0AC	675.-	3KX8430-0AC	955.-	1
Terminal Cover (1 set)	-	-	3KX8231-0AC	390.-	3KX8341-0AC	745.-	3KX8431-0AC	865.-	1
Isolable Neutral cover	-	-	3KX8232-0AC	195.-	3KX8342-0AC	320.-	3KX8432-0AC	390.-	1
Phase Barrier <sup>§</sup>	3KX8153-0AC	135.-	3KX8233-0AC	135.-	3KX8343-0AC	190.-	3KX8433-0AC	245.-	1
Auxiliary Switch (1NO+1NC)	3SB5400-0A <sup>^</sup>	175.-	3KX3522-1YC	595.-	3KX3552-1YC	715.-	3KX3582-1YC	865.-	1
Auxiliary Switch (2NO+2NC)	-	-	3KX3522-1YD	1070.-	3KX3552-1YD	1550.-	3KX3582-1YD	1675.-	1
Auxiliary switch cover	3KX8154-0AC	65.-	3KX8234-0AC	65.-	-	-	-	-	1
Front Drive (Handle)	8UC616	800.-	8UC626	905.-	8UC6314-1BB00	1365.-	8UC6414-1BB00	1995.-	1
Operating shaft (300mm)	8UC60-31	220.-	8UC60-32	270.-	8UC60-34	520.-	8UC60-34	520.-	1
Add on Switched 4th Pole	3KX8155-5AC	1475.-	3KX3528-1YN	1540.-	-	-	-	-	1
Add-on Isolable neutral	3KX8125-6AC (3KL811/ 3KL812)	285.-	3KX8225-6AC (3KL821/ 822) (3KA821/ 822)	410.-	3KX8315-6AC (3KL831) (3KA831)	750.-	3KX8425-6AC (3KL841/42) (3KA835)	1190.-	1
	3KX8335-6AC (3KL832/3) (3KA832)	750.-	3KX8435-6AC (3KL843) (3KA843/4/5/6)	1475.-	3KX8345-6AC (3KL834)(3KA834)	970.-			1
	3KX8155-6AC (3KL815/3KA815)	285.-	3KX8235-6AC (3KL823) (3KA823)	455.-					1
Castell interlock <sup>1^</sup>	8UC6070-0YQ..	4175.-	8UC6070-1YQ..	4175.-	8UC6070-2YQ..	4285.-	8UC6070-2YQ..	4285.-	1
Key interlock	-	-	-	-	3KX3588-1YP(.) <sup>*</sup>	1945.-	3KX3588-1YP(.) <sup>*</sup>	1945.-	1
Depth setting template	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	1
DIN Rail mounting kit	3KX8155-3AC	1580.-	-	-	-	-	-	-	1
Fuse Monitor <sup>^</sup>	3VU1340-1MS00	4720.-	3VU1340-1MS00	4720.-	3VU1340-1MS00	4720.-	3VU1340-1MS00	4720.-	1
Adapter Plate to replace old 3KL with 3KL8	3KX8155-1AC	435.-	-	-	-	-	-	-	1
Fuse safety Barrier	3KX81501AC	100.-	3KX82301AC	135.-	-	-	-	-	1
Gland box <sup>@</sup> <b>NEW</b>	3KX8235-4DC	3355.-	3KX8235-4DC	3355.-	3KX8345-4DC	4640.-	3KX8435-4DC	6825.-	1
Gland plate (1no.) <b>NEW</b>	3KX8235-4GC	690.-	3KX8235-4GC	690.-	3KX8345-4GC	870.-	3KX8435-4GC	1025.-	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.

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

@ Gland box includes one gland plate.

## Fuse selection guide for Superswitch

Rated current in (A)	SDF type	DIN fuse size	DIN fuse type	BS fuse size	BS fuse type	NFC fuse size
20A	3KL8111	00/000	3NA78	A2	TSA/TIA	14X51
32A	3KL8121	00/000	3NA78	A2	TSA/TIA	14X51
63A	3KL8151	00/000	3NA78	A3	TIS/TSS	14X51
100A	3KL8211	00/000	3NA78	A4	TCP	-
125A	3KL8221	00/000	3NA78	A4	TCP/TSFP	-
160A	3KL8231	00/000	3NA78	A4	TCP/TSFP	-
200A	3KL8311	1 - 2	3NA71, 72	B2	TSF/TF	-
250A	3KL8321	1 - 2	3NA71, 72	B2/B3/B4	TSF/TF/TKF/TSK	-
315A	3KL8331	1 - 2	3NA72	B2/B3/B4	TSF/TF/TKF/TSK	-
400A	3KL8341	1 - 2	3NA72	B2/B3/B4	TSF/TF/TKF/TSK/TMF	-
500A	3KL8411	3	3NA33	C1/C2	TTM	-
630A	3KL8421	3	3NA33	C1/C2	TTM	-
800A	3KL8431	3	3NA33	C1/C2	TSL5	-

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



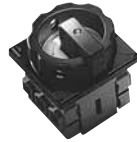
## Main control and EMERGENCY STOP switches 3LD2

- 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



### 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	3LD2003-0TK5□	2250.-
	25	9.5	3LD2103-0TK5□	2485.-
	32	11.5	3LD2203-0TK5□	2775.-
	63	22	3LD2504-0TK5□	4750.-
	100	37	3LD2704-0TK5□	7205.-
	125	45	3LD2804-0TK5□	9175.-
	160	75	3LD2305-0TK1□	Upon enquiry
	250	132	3LD2405-0TK1□	Upon enquiry

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□	2010.-
	25	9.5	3LD2122-0TK1□	2205.-
	32	11.5	3LD2222-0TK1□	2670.-

□ - 1: Black OR  
□ - 3: Red/yellow

□ - 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



### 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	25	9.5	3LD2123-7UK01	4925.-
	32	11.5	3LD2223-7UK01	5390.-
	63	22	3LD2524-7UK01	8915.-
	100	37	3LD2724-7UK01	16580.-
	160	75	3LD2305-7UK01	Upon enquiry
	250	132	3LD2405-7UK01	Upon enquiry

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□	3205.-
	25	9.5	3LD2164-0TB5□	3475.-
	32	11.5	3LD2264-0TB5□	4130.-
	63	22	3LD2565-0TB5□	6840.-
	100	37	3LD2766-0TB5□	15545.-
	125	45	3LD2866-0TB5□	28135.-

□ - 1: Black OR  
□ - 3: Red/yellow

### 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□	3600.-
	25	9.5	3LD2113-0TK5□	4000.-
	32	11.5	3LD2213-0TK5□	4410.-
	63	22	3LD2514-0TK5□	5290.-
	100	37	3LD2714-0TK5□	8690.-
	125	45	3LD2814-0TK5□	10850.-
	160	75	3LD2318-0TK1□	Upon enquiry
	250	132	3LD2418-0TK1□	Upon enquiry

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

\* LP - List Price

Std. Pkg. = 1 unit

## Accessories for 3LD2

Mounting	Description	For Switch	Type	Unit LP* ₹	Std. pkg. (nos.)	
For front mounting	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 and 3LD22	3LD9220-0B	1010.-	1	
		3LD25	3LD9250-0BA	1485.-	1	
		3LD27 and 3LD28	3LD9280-0B	1845.-	1	
	N or PE terminal Continuous	3LD20	3LD9200-2B	675.-	1	
		3LD21 and 3LD22	3LD9220-2B	775.-	1	
		3LD25	3LD9250-2BA	1015.-	1	
		3LD27 and 3LD28	3LD9280-2B	1235.-	1	
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5B	1125.-	1	
	For floor mounting or 3LD moulded plastic enclosures	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 and 3LD22	3LD9220-0C	1010.-	1
			3LD25	3LD9250-0CA	1485.-	1
3LD27 and 3LD28			3LD9280-0C	1845.-	1	
N or PE terminal Continuous		3LD20	3LD9200-2C	915.-	1	
		3LD21 and 3LD22	3LD9220-2C	775.-	1	
		3LD25	3LD9250-2CA	1015.-	1	
		3LD27 and 3LD28	3LD9280-2C	1235.-	1	
Auxiliary switches For mounting on left and/or right 1NO+1NC		3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5C	1065.-	1	
Terminal cover for touch protection can be snapped on at top & bottom for front and floor mounting		4 pole	3LD20	3LD9201-1A	345.-	4
		3 pole	3LD21 and 3LD22	3LD9221-0A	320.-	4
		3 pole	3LD25	3LD9251-0A	355.-	4
		1 pole	3LD27 and 3LD28	3LD9281-2A	170.-	4

Also available: 3LD for Solar Photo voltaic applications. Please contact your nearest Siemens partner for more details.

## 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	1830.-	10
		30	■ 3LA0601-1YB	4255.-	5
	System selector	5.5	■ 3LA0202-1YA	2090.-	10
		30	3LA0602-1YB	5955.-	5
	Reversing	5.5	■ 3LA0203-1YA	2090.-	10
		30	■ 3LA0603-1YB	5955.-	5
	Star-delta	12	3LA0204-5YA	2950.-	10
		30	3LA0604-1YB	8105.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	2090.-	10
		5.5	3LA0205-1YA	2820.-	10
5.5		3LA0205-3YA	4040.-	10	
Reversing pole changing	5.5	3LA0205-3YA	4040.-	10	



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

Description	Type	Unit LP* ₹	Std. pkg. (nos.)
Ball handle – Black	■ 3LX0 211-1YA	110.-	10
Machine handle – Black	3LX0 611-2YA	300.-	10
Indicating dial for size 2	■ 3LX0 220-1YA	85.-	10
Indicating dial for size 6	■ 3LX0 620-1YA	85.-	10
Catching lever for the drive mechanism of size 2 switch (2 nos. reqd. per switch)	3LY0 220-2YA	85.-	10
Tension spring for the drive mechanism of size 2 switch	3LY0 210-1YA	75.-	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	1255.-	10
	63	52	3LA0605-1YB	3015.-	5
4	25	16	■ 3LA0205-5YA	2090.-	10
	63	52	■ 3LA0605-2YB	5505.-	5

■ Stock items

\* LP - List Price

# SIEMENS

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## 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

## 3LD4 Control Switches

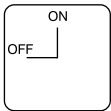
The 3LD4 Control Switches are cam operated switches suitable for use in a wide variety of control and auxiliary circuit applications.

- 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



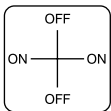
## ON OFF Switches

### 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	135.-	250.-	300.-	315.-	325.-	405.-	515.-	600.-	3140.-	1
3LD4 ___ 2AA00-ORCO	2 Pole	165.-	285.-	340.-	375.-	395.-	465.-	615.-	765.-	3925.-	
3LD4 ___ 3AA00-ORCO	3 Pole	180.-	340.-	400.-	435.-	515.-	575.-	720.-	1035.-	4830.-	

### 90° Operation with complete rotation

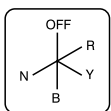
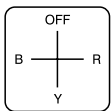


Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BC00-ORCO	1 Pole	130.-	250.-	300.-	315.-	320.-	400.-	510.-	595.-	3140.-	1
3LD4 ___ 2BC00-ORCO	2 Pole	165.-	285.-	340.-	375.-	395.-	465.-	615.-	765.-	3925.-	
3LD4 ___ 3BC00-ORCO	3 Pole	180.-	340.-	400.-	435.-	515.-	575.-	720.-	1035.-	4830.-	

\* Fill in the 3rd, 4th & 5th digit 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)

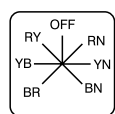
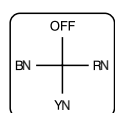
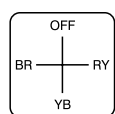


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line currents with OFF	6A	3LD40014DC200RCO	275.-	1
	10A	3LD41024DC200RCO	330.-	
	16A	3LD41034DC200RCO	420.-	
	20A	3LD41044DC200RCO	470.-	
Line currents with Neutral with OFF	6A	3LD40014DD200RCO	270.-	
	10A	3LD41024DD200RCO	325.-	
	16A	3LD41034DD200RCO	410.-	
	20A	3LD41044DD200RCO	530.-	



# 3LD4 Control Switches

## Voltmeter Selector Switch (VSS)

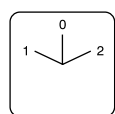


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line voltages with OFF	6A	3LD40014DC300RCO	200.-	1
	10A	3LD41024DC300RCO	300.-	
	16A	3LD41034DC300RCO	380.-	
	20A	3LD41044DC300RCO	435.-	
Phase voltages with OFF	6A	3LD40014DC310RCO	355.-	
	10A	3LD41024DC310RCO	405.-	
	16A	3LD41034DC310RCO	520.-	
	20A	3LD41044DC310RCO	570.-	
Line & Phase voltages with OFF	6A	3LD40014DF300RCO	355.-	
	10A	3LD41024DF300RCO	600.-	
	16A	3LD41034DF300RCO	715.-	
	20A	3LD41044DF300RCO	775.-	



## Changeover Switch

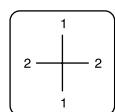
With OFF (60°)



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	165.-	310.-	375.-	390.-	400.-	445.-	595.-	810.-	4055.-	1
3LD4 ___ 2BB10-ORCO	2P 2W	225.-	375.-	425.-	500.-	540.-	630.-	820.-	1230.-	5935.-	
3LD4 ___ 3BB10-ORCO	3P 2W	275.-	465.-	570.-	705.-	815.-	880.-	1035.-	1650.-	7685.-	

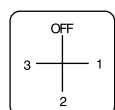


Without OFF (90°)



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	165.-	310.-	375.-	380.-	400.-	445.-	595.-	810.-	4055.-	1
3LD4 ___ 2PC10-ORCO	2P 2W	225.-	375.-	425.-	500.-	540.-	630.-	820.-	1230.-	5935.-	
3LD4 ___ 3PC10-ORCO	3P 2W	275.-	465.-	570.-	705.-	815.-	880.-	1035.-	1650.-	7685.-	

## 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	200.-	270.-	320.-	375.-	380.-	475.-	695.-	780.-	3335.-	1



\* Fill in the 3rd, 4th & 5th digit 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

\* LP - List Price



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## Arc Fault Detection Device

First in Safety

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.

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# 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		
	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		
	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		
	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		
	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 MRP for prices

Miniature Circuit Breakers



# Betagard Circuit Breakers



## 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	--	--	1P, 220V DC	5SL51057RC	1/12
	1			--	--		5SL51017RC	1/12
	2			5SL71027RC	5SL71028RC		5SL51027RC	1/12
	4			5SL71047RC	5SL71048RC		5SL51047RC	1/12
	6			5SL71067RC	5SL71068RC		5SL51067RC	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	--	--	2P, 440V DC	5SL52057RC	1/6
	1			--	--		5SL52017RC	1/6
	2			5SL72027RC	5SL72028RC		5SL52027RC	1/6
	4			5SL72047RC	5SL72048RC		5SL52047RC	1/6
	6			5SL72067RC	5SL72068RC		5SL52067RC	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
	2	3	3P, 415V AC	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
	2	4	4P, 415V AC	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 MRP for prices

# SIEMENS

*Ingenuity for life*



## 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



# HRC fuses (DIN) 3NA

- High Breaking capacity of 120kA
- Dual indication for fault detection
- ISI and 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	355.-	1/6
	4	3NA78040RC	355.-	1/6
	6	3NA78010RC	355.-	1/6
	10	3NA78030RC	355.-	1/6
	16	3NA78050RC	360.-	1/6
	20	3NA78070RC	360.-	1/6
	25	3NA78100RC	360.-	1/6
	32	3NA78120RC	360.-	1/6
	40	3NA78170RC	385.-	1/6
	50	3NA78200RC	385.-	1/6
	63	3NA78220RC	425.-	1/6
	80	3NA78240RC	460.-	1/6
00	100	3NA78300RC	460.-	1/6
	125	3NA78320RC	560.-	1/6
	160	3NA78360RC	585.-	1/6
	50	3NA71200RC	760.-	1/3
1	63	3NA71220RC	760.-	1/3
	80	3NA71240RC	760.-	1/3
	100	3NA71300RC	760.-	1/3
	125	3NA71320RC	795.-	1/3
	160	3NA71360RC	820.-	1/3
	200	3NA71400RC	820.-	1/3
	224	3NA71420RC	850.-	1/3
	250	3NA71440RC	920.-	1/3
2	200	3NA72400RC	1135.-	1/3
	250	3NA72440RC	1175.-	1/3
	315	3NA72520RC	1220.-	1/3
3	400	3NA72600RC	1220.-	1/3
	315	3NA33520RC	1735.-	1/3
	400	3NA33600RC	1735.-	1/3
	500	3NA33650RC	1940.-	1/3
	630	3NA33720RC	1985.-	1/3
800*	3NA33754RC	2415.-	1/3	

\* 800A 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	475.-	1/6
	50	3NA78206RC	475.-	1/6
	63	3NA78226RC	510.-	1/6
	80	3NA78246RC	535.-	1/6
1	100	3NA78306RC	535.-	1/6
	125	3NA71326RC	925.-	1/3
	160	3NA71366RC	965.-	1/3
2	200	3NA71406RC	965.-	1/3
	250	3NA72446RC	1275.-	1/3
3	315	3NA72526RC	1365.-	1/3
	400	3NA33606RC	2040.-	1/3
	425	3NA33626RC	2040.-	1/3
500	3NA33656RC	2175.-	1/3	

## Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	160	■ 3NG1000	360.-	1
1	250	■ 3NG1250	540.-	1
2	400	■ 3NG1300	880.-	1
3	630	■ 3NG1400	915.-	1



## Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	160	3NA7 8	■ 3NH3030-0RC (Screw-in)	440.-	1/10
00	160	3NA7 8	■ 3NH3032-0RC (Plug in)	460.-	1/10
1	250	3NA7 1	■ 3NH3230-0RC	860.-	1/5
2	400	3NA7 2	■ 3NH3330-0RC	1245.-	1/5
3	630	3NA3 3	■ 3NH3430-0RC	1755.-	1/5
3	800	3NA3 3	■ 3NH3430-4RC	2115.-	1/5



## Fuse puller

Description	Type	MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
Suitable for 3KL8 and all sizes of fuse links/isolating links	■ 3NX1011	1795.-	1
Suitable only for fuse links and isolating links	3NX1010	895.-	1



## LV HRC contact covers

NEW

Size	Type	Unit LP* ₹	Std. pkg.** (nos.)
00/000	3NX3115	440.-	1/10
00/000	3NX3116	275.-	1/10



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

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

NEW

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



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

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

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

\* LP - List Price

® MRP - Max. Retail Price

# 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	■ 3NWN52	90.-	20
4	■ 3NWN54	90.-	20
6	■ 3NWN56	90.-	20
10	■ 3NWN510	90.-	20
16	■ 3NWN516	90.-	20
20	■ 3NWN520	100.-	20
25	■ 3NWN525	100.-	20
32	3NWN532	100.-	20

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	125.-	20
4	3NWTIA4	125.-	20
6	3NWTIA6	125.-	20
10	■ 3NWTIA10	125.-	20
16	■ 3NWTIA16	125.-	20
20	■ 3NWTIA20	125.-	20
25	■ 3NWTIA25	125.-	20
32	■ 3NWTIA32	125.-	20
40	3NWTIS40	190.-	20
50	■ 3NWTIS50	190.-	20
63	■ 3NWTIS63	190.-	20
80	3NWTCP80	495.-	10
100	■ 3NWTCP100	495.-	10
125	3NWTFF125	755.-	5
160	3NWTFF160	755.-	5
200	3NWTFF200	755.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWT80	530.-	10
100	3NWT100	530.-	10
125	3NWT125	820.-	5
160	3NWT160	820.-	5
200	3NWT200	820.-	5
250	3NWT250	1175.-	1
315	3NWT315	1175.-	1
355	3NWT355	1620.-	1
400	3NWT400	1620.-	1
500	3NWT500	2550.-	1
630	3NWT630	3370.-	1
710	3NWT710	3845.-	1
800	3NWT800	3845.-	1

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
6	3NWTSA6	100.-	20
10	3NWTSA10	100.-	20
16	3NWTSA16	100.-	20
20	3NWTSA20	100.-	20
25	3NWTSA25	100.-	20
32	3NWTSA32	100.-	20
36	3NWTSS36	210.-	20
40	3NWTSS40	210.-	20
50	3NWTSS50	210.-	20
63	3NWTSS63	210.-	20
80	3NWTSDS80	300.-	20
100	3NWTSDS100	300.-	20
125	3NWTFF125	490.-	5
160	3NWTFF160	490.-	5
200	3NWTFF200	490.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTDC80	365.-	10
100	3NWTDC100	365.-	10
125	3NWTFS125	495.-	5
160	3NWTFS160	495.-	5
200	3NWTFS200	495.-	5
250	3NWTSK250	890.-	1
315	3NWTSK315	890.-	1
355	3NWTSM355	1480.-	1
400	3NWTSM400	1480.-	1
450	3NWTST450	1515.-	1
500	3NWTST500	1515.-	1
560	3NWTSL560	2445.-	1
630	3NWTSL630	2445.-	1
800	3NWTSL800	3530.-	1

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWC32F9	1480.-	10
63	3NWC63F9	1740.-	10
100	3NWC100F9	1915.-	10

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	185.-	10
32	■ 3NW32NNSF	230.-	10
32A (Iso. Link)	■ 3NW32NNSL	100.-	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	1835.-	1
	40	■ 3NE4102	gR	1	1840.-	1
	50	■ 3NE4117	gR	1	1930.-	1
	80	■ 3NE4120	aR	1	2085.-	1
	100	■ 3NE4121	aR	1	2285.-	1
	125	■ 3NE4122	aR	1	2455.-	1
	160	■ 3NE4124	aR	1	2705.-	1

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
800	250	■ 3NE43276	aR	-	5310.-	1
	315	■ 3NE43306	aR	-	5480.-	1
	450	■ 3NE43336	aR	-	5730.-	1
	500	■ 3NE43346	aR	-	5780.-	1
	710	■ 3NE43376	aR	-	6465.-	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	3720.-	3
35	3NE80031	gR	00	3720.-	3
50	3NE80171	gR	00	3720.-	3
63	3NE80181	gR	00	3720.-	3
80	3NE80201	aR	00	4135.-	3
100	3NE80211	aR	00	4325.-	3
125	3NE80221	aR	00	4390.-	3
160	3NE80241	aR	00	4820.-	3
200	3NE12252	gR	1	12715.-	3
250	3NE12272	gR	1	13150.-	3
315	3NE12302	gR	1	13595.-	3
350	3NE13312	gR	2	18000.-	3
400	3NE13322	gR	2	23115.-	3
450	3NE13332	gR	2	19340.-	3
500	3NE13342	gR	2	20100.-	3
560	3NE14352	gR	3	24975.-	3
630	3NE14352	gR	3	24975.-	3
670	3NE14472	gR	3	26480.-	3
710	3NE14372	gR	3	27610.-	3
800	3NE14382	gR	3	29675.-	3
850	3NE14482	gR	3	32300.-	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	-	21505.-	3
1250	3NE9450	aR	-	20265.-	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	4390.-	3
20	3NE18140	gS	000	4390.-	3
25	3NE18150	gS	000	4390.-	3
35	3NE18030	gS	000	4390.-	3
40	3NE18020	gS	000	4390.-	3
50	3NE18170	gS	000	4390.-	3
63	3NE18180	gS	000	4390.-	3
80	3NE18200	gS	000	4390.-	3
100	3NE10210	gS	00	5765.-	3
125	3NE10220	gS	00	5765.-	3
160	3NE12240	gS	1	13975.-	3
200	3NE12250	gS	1	13975.-	3
250	3NE12270	gS	1	14675.-	3
315	3NE12300	gS	1	15735.-	3
350	3NE13310	gS	2	19540.-	3
400	3NE13320	gS	2	19715.-	3
450	3NE13330	gS	2	19835.-	3
500	3NE13340	gS	2	20135.-	3
560	3NE14350	gS	3	20240.-	3
630	3NE14360	gS	3	21120.-	3
710	3NE14370	gS	3	21965.-	3
800	3NE14380	gS	3	25730.-	3

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

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
20	3NE87141	gR	000	upon enquiry	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	10040.-	3
125	3NE3222	aR	1	10325.-	3
160	3NE3224	aR	1	10325.-	3
200	3NE3225	aR	1	10895.-	3
250	3NE3227	aR	1	11180.-	3
315	3NE32300B	aR	1	11640.-	3
350	3NE3231	aR	1	13820.-	3
400	3NE32320B	aR	1	14805.-	3
450	3NE3233	aR	1	15330.-	3
400	3NE33320B	aR	2	14945.-	3
450	3NE3333	aR	2	15735.-	3
500	3NE33340B	aR	2	16035.-	3
560	3NE3335	aR	2	16640.-	3
630	3NE3336	aR	2	17430.-	3
710*	3NE33378	aR	2	24910.-	3
800*	3NE33388	aR	2	25600.-	3
900*	3NE33408	aR	2	30490.-	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	20390.-	3
200	3NC84253C	gR	3	14220.-	3
250	3NC84273C	gR	3	16270.-	3
350	3NC84313C	gR	3	16775.-	3
500	3NC84343C	gR	3	18125.-	3
1000#	3NC84443C	aR	3	32935.-	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	30565.-	2
224	3NE54260C	aR	3	33440.-	2
250	3NE56270C	aR	3	31020.-	3
315	3NE54300C	aR	3	31940.-	2
350	3NE54310C	aR	3	29860.-	2
450	3NE56330C	aR	3	33645.-	3
600	3NE56430C	aR	3	35285.-	3



## 3NE7 type 2000 V AC

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



## Fuse bases for SITOR fuses NEW

- 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

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)

NEW

- 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	340.-	1/10		
1A			3NW60111	340.-	1/10		
2A			3NW60021	340.-	1/10		
4A			3NW60041	340.-	1/10		
6A			3NW60011	340.-	1/10		
8A			3NW60081	340.-	1/10		
10A			3NW60031	340.-	1/10		
12A			3NW60061	340.-	1/10		
16A			3NW60051	340.-	1/20		
20A			3NW60071	340.-	1/20		
25A			3NW60101	340.-	1/20		
32A			3NW60121	340.-	1/20		
			400	500			

## Cylindrical Fuse, Size 14 x 51

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)		
4A	14 x 51	690	3NW61041	375.-	1/10		
6A			3NW61011	375.-	1/10		
8A			3NW61081	375.-	1/10		
10A			3NW61031	375.-	1/10		
12A			3NW61061	375.-	1/10		
16A			3NW61051	375.-	1/10		
20A			3NW61071	375.-	1/10		
25A			3NW61101	375.-	1/10		
32A			3NW61121	440.-	1/10		
40A			500	690	3NW61171	440.-	1/10
50A					3NW61201	440.-	1/10
			500	500			



## Cylindrical Fuse, Size 22 x 58

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)		
16A	22 x 58	690	3NW62051	645.-	1/10		
20A			3NW62071	645.-	1/10		
25A			3NW62101	645.-	1/10		
32A			3NW62121	645.-	1/10		
40A			3NW62171	710.-	1/10		
50A			3NW62201	710.-	1/10		
63A			500	690	3NW62221	710.-	1/10
80A					3NW62241	710.-	1/10
					3NW62301	790.-	1/10
100A							

## Cylindrical Fuse holders

No of Poles	Size	Rating (A)	MW	Type	Unit LP* ₹	Std. pkg.** (nos.)
1P	10 x 38	32A	1	3NW7013	600.-	1/1
	14 x 51	50A	1.5	3NW7111	1905.-	1/1
	22 x 58	100A	2	3NW7211	2745.-	1/1
2P	10 x 38	32A	2	3NW7023	1200.-	1/1
	14 x 51	50A	3	3NW7121	3795.-	1/1
	22 x 58	100A	4	3NW7221	5335.-	1/1
3P	10 x 38	32A	3	3NW7033	1805.-	1/1
	14 x 51	50A	4.5	3NW7131	5690.-	1/1
	22 x 58	100A	6	3NW7231	8015.-	1/1

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

\* LP - List Price

### 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.





# SIEMENS

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## Power Quality Solutions

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

# SIECAP™ LV Power Capacitors

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

- High pulse current withstand capability (upto 200.Ir)
- 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	4RB2008-3EE50-8K	260.-	1
	1	4RB2010-3EE50-8K	290.-	1
	1.2	4RB2012-3EE50-8K	345.-	1
	1.5	4RB2015-3EE50-8K	425.-	1
	2.1	4RB2021-3EE50-8K	605.-	1
	2.5	4RB2025-3EE50-8K	715.-	1
	3	4RB2030-3EE50-8K	860.-	1
	4.2	4RB2042-3EE50-8K	1200.-	1
	5	4RB2050-3EE50-8K	1430.-	1
	6	4RB2060-3EE50-8K	1510.-	1
	7	4RB2070-3EE50-8K	1760.-	1
	7.5	4RB2075-3EE50-8K	1890.-	1
	8.3	4RB2083-3EE50-8K	2090.-	1
	9	4RB2090-3EE50-8K	2265.-	1
	10	4RB2100-3EE50-8K	2520.-	1
	12.5	4RB2125-3EE50-8K	2720.-	1
	15	4RB2150-3EE50-8K	3260.-	1
	16.7	4RB2167-3EE50-8K	3630.-	1
	20	4RB2200-3EE50-8K	4345.-	1
	20.8	4RB2208-3EE50-8K	4520.-	1
25	4RB2250-3EE50-8K	5440.-	1	
28	4RB2280-3EE50-8K	6085.-	1	
30	4RB2300-3EE50-8K	6525.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	1	4RB2010-3EJ50-8K	300.-	1
	1.5	4RB2015-3EJ50-8K	450.-	1
	2	4RB2020-3EJ50-8K	595.-	1
	2.5	4RB2025-3EJ50-8K	740.-	1
	4.2	4RB2042-3EJ50-8K	1250.-	1
	5	4RB2050-3EJ50-8K	1320.-	1
	5.5	4RB2055-3EJ50-8K	1640.-	1
	8.3	4RB2083-3EJ50-8K	2185.-	1
	10.4	4RB2104-3EJ50-8K	2740.-	1
	11.1	4RB2111-3EJ50-8K	2540.-	1
	12.5	4RB2125-3EJ50-8K	2865.-	1
	13.8	4RB2138-3EJ50-8K	3155.-	1
	15	4RB2150-3EJ50-8K	3435.-	1
	16.7	4RB2167-3EJ50-8K	3820.-	1
	20.8	4RB2208-3EJ50-8K	4760.-	1
	25	4RB2250-3EJ50-8K	5720.-	1
	27.7	4RB2277-3EJ50-8K	6340.-	1
	30	4RB2300-3EJ50-8K	6865.-	1

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

For information upon other kvar ratings at different voltages and frequency please contact Siemens Sales Office

# SIECAP™ LV Power Capacitors

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

- High pulse current withstand capability (upto 500.Ir)
- 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	2000.-	1
	6.3	4RB1063-3EB50-8K	2515.-	1
	7.5	4RB1075-3EB50-8K	2990.-	1
	10.4	4RB1104-3EB50-8K	4150.-	1
	12.5	4RB1125-3EB50-8K	4505.-	1
	15	4RB1150-3EB50-8K	5410.-	1
	20	4RB1200-3EB50-8K	7210.-	1
	25	4RB1250-3EB50-8K	9015.-	1
	28.1	4RB1281-3EB50-8K	10130.-	1
	30	4RB1300-3EB50-8K	10815.-	1
33	4RB1330-3EB50-8K	11895.-	1	
440	1	4RB1010-3EE50-8K	410.-	1
	2	4RB1020-3EE50-8K	825.-	1
	3	4RB1030-3EE50-8K	1235.-	1
	4	4RB1040-3EE50-8K	1650.-	1
	5	4RB1050-3EE50-8K	2060.-	1
	7.5	4RB1075-3EE50-8K	2990.-	1
	10	4RB1100-3EE50-8K	3990.-	1
	10.4	4RB1104-3EE50-8K	4150.-	1
	12.5	4RB1125-3EE50-8K	4505.-	1
	15	4RB1150-3EE50-8K	5410.-	1
	16.7	4RB1167-3EE50-8K	6020.-	1
	20	4RB1200-3EE50-8K	7210.-	1
	25	4RB1250-3EE50-8K	9015.-	1
	28.1	4RB1281-3EE50-8K	10130.-	1
30	4RB1300-3EE50-8K	10815.-	1	
33.1	4RB1331-3EE50-8K	11935.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB1050-3EJ50-8K	2060.-	1	
	6.3	4RB1063-3EJ50-8K	2595.-	1	
	8.3	4RB1083-3EJ50-8K	3420.-	1	
	10.4	4RB1104-3EJ50-8K	3885.-	1	
	11	4RB1111-3EJ50-8K	4110.-	1	
	12.5	4RB1125-3EJ50-8K	4665.-	1	
	13.8	4RB1138-3EJ50-8K	5155.-	1	
	15	4RB1150-3EJ50-8K	5605.-	1	
	16.7	4RB1167-3EJ50-8K	6235.-	1	
	18.7	4RB1187-3EJ50-8K	6985.-	1	
	20	4RB1200-3EJ50-8K	7470.-	1	
	22	4RB1220-3EJ50-8K	8215.-	1	
	25	4RB1250-3EJ50-8K	9335.-	1	
	28.1	4RB1281-3EJ50-8K	10490.-	1	
	30	4RB1300-3EJ50-8K	11200.-	1	
	31	4RB1310-3EJ50-8K	11575.-	1	
	33	4RB1330-3EJ50-8K	12325.-	1	
	525	5	4RB1050-3FC50-8K	2125.-	1
6.3		4RB1063-3FC50-8K	2680.-	1	
8.3		4RB1083-3FC50-8K	3530.-	1	
10.4		4RB1104-3FC50-8K	4015.-	1	
12.5		4RB1125-3FC50-8K	4830.-	1	
13.2		4RB1132-3FC50-8K	5100.-	1	
15		4RB1150-3FC50-8K	5795.-	1	
16.7		4RB1167-3FC50-8K	6455.-	1	
20		4RB1200-3FC50-8K	7725.-	1	
25		4RB1250-3FC50-8K	9655.-	1	
26.5		4RB1265-3FC50-8K	10240.-	1	
30		4RB1300-3FC50-8K	11590.-	1	
33.1		4RB1331-3FC50-8K	12785.-	1	
690		5.3	4RB1053-3GK50-8K	2115.-	1
		6.9	4RB1068-3GK50-8K	2755.-	1
		10.4	4RB1104-3GK50-8K	4150.-	1
		12.5	4RB1125-3GK50-8K	4990.-	1
		14.6	4RB1146-3GK50-8K	5830.-	1
	20	4RB1200-3GK50-8K	7985.-	1	
	25	4RB1250-3GK50-8K	9980.-	1	
	28	4RB1280-3GK50-8K	11175.-	1	

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

For information upon other kvar ratings at different voltages and frequency 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	10920.-
10kVAr	5.67%	4KA1220-3AC01-0AA0	14165.-
12.5kVAr	5.67%	4KA1220-4AC01-0AA0	16585.-
15kVAr	5.67%	4KA1220-5AC01-0AA0	17920.-
20kVAr	5.67%	4KA1220-6AC01-0AA0	19160.-
25kVAr	5.67%	4KA1220-7AC01-0AA0	20890.-
50kVAr	5.67%	4KA1220-2BC01-0AA0	33865.-
5kVAr	7%	4KA1220-1AA01-0AA0	11125.-
10kVAr	7%	4KA1220-3AA01-0AA0	14595.-
12.5kVAr	7%	4KA1220-4AA01-0AA0	16160.-
15kVAr	7%	4KA1220-5AA01-0AA0	18195.-
20kVAr	7%	4KA1220-6AA01-0AA0	19385.-
25kVAr	7%	4KA1220-7AA01-0AA0	20205.-
50kVAr	7%	4KA1220-2BA01-0AA0	36340.-
75kVAr	7%	4KA1220-3BA03-0AA0	52265.-
100kVAr	7%	4KA1220-4BA03-0AA0	64560.-
5kVAr	14%	4KA1220-1AB01-0AA0	15285.-
10kVAr	14%	4KA1220-3AB01-0AA0	24025.-
12.5kVAr	14%	4KA1220-4AB01-0AA0	26615.-
15kVAr	14%	4KA1220-5AB01-0AA0	29490.-
20kVAr	14%	4KA1220-6AB01-0AA0	34950.-
25kVAr	14%	4KA1220-7AB01-0AA0	38625.-
50kVAr	14%	4KA1220-2BB01-0AA0	62725.-
75kVAr	14%	4KA1220-3BB03-0AA0	90280.-
100kVAr	14%	4KA1220-4BB03-0AA0	125555.-

## Aluminium Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kVAr	5.67%	4KA1420-1AC01-0AA0	8910.-
10kVAr	5.67%	4KA1420-3AC01-0AA0	10875.-
12.5kVAr	5.67%	4KA1420-4AC01-0AA0	13030.-
15kVAr	5.67%	4KA1420-5AC01-0AA0	14725.-
20kVAr	5.67%	4KA1420-6AC01-0AA0	16070.-
25kVAr	5.67%	4KA1420-7AC01-0AA0	16995.-
50kVAr	5.67%	4KA1420-2BC01-0AA0	29615.-
5kVAr	7%	4KA1420-1AA01-0AA0	9080.-
10kVAr	7%	4KA1420-3AA01-0AA0	11680.-
12.5kVAr	7%	4KA1420-4AA01-0AA0	12925.-
15kVAr	7%	4KA1420-5AA01-0AA0	14560.-
20kVAr	7%	4KA1420-6AA01-0AA0	15510.-
25kVAr	7%	4KA1420-7AA01-0AA0	16170.-
50kVAr	7%	4KA1420-2BA01-0AA0	29075.-
75kVAr	7%	4KA1420-3BA03-0AA0	38745.-
100kVAr	7%	4KA1420-4BA03-0AA0	51650.-
5kVAr	14%	4KA1420-1AB01-0AA0	12360.-
10kVAr	14%	4KA1420-3AB01-0AA0	18075.-
12.5kVAr	14%	4KA1420-4AB01-0AA0	20175.-
15kVAr	14%	4KA1420-5AB01-0AA0	23290.-
20kVAr	14%	4KA1420-6AB01-0AA0	25860.-
25kVAr	14%	4KA1420-7AB01-0AA0	31550.-
50kVAr	14%	4KA1420-2BB01-0AA0	55815.-

\* LP - List Price

## 3TS Capacitor duty contactors

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.)
7 kVAr	1 NO	3TS1110-0A..5-8K†	2090.-				
12.5 kVAr	–	3TS1200-0A..5-8K†	2325.-	1NO+1NC	3TS1211-0A..5-8K	2655.-	1
16 kVAr	–	3TS1300-0A..5-8K†	3195.-	1NO+1NC	3TS1311-0A..5-8K	3525.-	1
20 kVAr	–	3TS1400-0A..5-8K†	3595.-	1NO+1NC	3TS1411-0A..5-8K	3925.-	1
25 kVAr	–	3TS1500-0A..5-8K†	4160.-	1NO+1NC	3TS1511-0A..5-8K	4495.-	1
50 kVAr	2 NO + 2 NC	3TS1722-0A..5-8K	12870.-				

### 3RT26 Capacitor duty contactor

Capacitor kVAr 415V, 3ph, 50Hz	Coil voltage	Built-in aux. contacts	Type	Unit LP	Std. pkg. (nos.)
75 kVAr	24V, 50HZ	1NO + 1NC	3RT2637-1AB03	20565.-	1
	110V, 50HZ		3RT2637-1AF03		
	230V, 50HZ		3RT2637-1AP03		
100 kVAr	24V, 50HZ	1NO + 1NC	3RT2646-1AB03	25100.-	1
	110V, 50HZ		3RT2646-1AF03		
	230V, 50HZ		3RT2646-1AP03		

Note: refer the product datasheet for rated current and other details

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

	For 3TS contactors		
Code	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	170.-	10
	1NC	■ 3TX4001-2A		10

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

## 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	15500.-	1
	12 Stage with LCD display	7UG0572-1GT20	16600.-	1
	12 stage with LED display	7UG0572-1GT21	10400.-	1

\* LP - List Price



**SIEMENS**

*Ingenuity for life*

# 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





## 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	55315.-
		<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	95840.-
		<b>Drawout   Non Directional</b> overcurrent relay   6 BI 8 BOs   <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> 46BC, 46NPS, 49, 50, 50AFD, 50BF, 51, 50G/N, 51G/N, 64H, 74T/CCS, 86	7SR1103-1MA12-1CA0	93390.-
		<b>Drawout   Directional</b> overcurrent relay   6 BI 8 BOs   <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> 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	104165.-
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	80290.-
		<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	123920.-
		<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, 50BF, 50BCL, 60CTS, 74T/CCS, 81B, 27/59, 32/55, 47, 60CTS, 60VTS, 67/50, 67/51, 67G/N, 81	7SR1706-4MA12-1CA0	132180.-
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	275855.-

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

## 7SJ 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	7100.-
		Auxiliary relay Single Element with self reset contacts with flag, 220V DC, 3NO+2CO, Low burden	7PJ1111-7DA20-0AA0	7100.-
		Auxiliary relay Single Element with self reset contacts without flag, 110V DC, 3NO+2CO, Low burden	7PJ1114-6DA20-0AA0	7100.-
		Auxiliary relay Single Element with self reset contacts without flag, 220V DC, 3NO+2CO, Low burden	7PJ1114-7DA20-0AA0	7100.-
		Auxiliary relay Three Element, hand reset with flag, 110V DC, 2NO, Low burden	7PJ1132-6CA00-0AA0	14260.-
		Auxiliary relay Three Element, hand reset with flag, 220V DC, 2NO, Low burden	7PJ1132-7CA00-0AA0	14260.-
Trip Relays		Trip relay with hand reset contacts with flag, DC 110V, 4NO+1NC, high burden	7PJ1212-6EB01-0AA0	7100.-
		Trip relay with hand reset contacts with flag, DC 220V, 4NO+1NC, high burden	7PJ1212-7EB01-0AA0	7100.-
		TCS relay, 2CO, SR, Aux 24-240VAC/DC, BI 24-240VDC	7PJ1321-5AA21-0AA0	13025.-

### 7XJ Arc Protection systems



### For more information on Siemens Numerical Relays



\* LP - List Price

# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VT 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.)
- MCCB protection setting should be maintained as per below chart.
- For charts with 3VT MCCB for ratings below 75kW, please consult Siemens.
- Recommended selection.**

## Direct-on-line feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker				Bi-relay		Contactor	
				MCCB	Rated current In (A)	Overload Setting Ir (A)	S/C Setting .. x Ir	Type	Range (A)	Type	Amp
1	75	131	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	231	12.5 x Ir	3RU2146-4LB0	110 - 160	3RT2038	80
2	90	156	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	315	12.5 x Ir	3RU2146-4MB0	140 - 200	3RT2038	80
3	110	189	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	400	12.5 x Ir	3RU21 66-5FB10-8K	180 - 250	3RT1064	225
4	132	227	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	455	12.5 x Ir	3RU21 66-5GB10-8K	220 - 320	3RT1065	265
5	160	271	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	550	12.5 x Ir	3RU21 66-5GB10-8K	220 - 320	3RT1066	300
6	200	339	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	630	12.5 x Ir	3RU21 76-5HB10-8K	280 - 400	3RT1076	500
7	250	398	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	630	12.5 x Ir	3RU21 76-5JB10-8K	350 - 500	3RT1076	500

## Star-Delta feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Phase Current Iph (A)	Breaking Capacity Iq	Circuit Breaker				Bi-relay		Contactor (Line/Delta)		Contactor (Star)	
					MCCB	Rated current In (A)	Overload Setting Ir (A)	S/C Setting .. x Ir	Type	Range (A)	Type	Amp	Type	Amp
1	75	131	75.6	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	200	12.5 x Ir	3RU2146-4LB0	70 - 90	3RT1055	150	3RT2038	80
2	90	156	90.1	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	231	12.5 x Ir	3RU2146-4MB0	80 - 100	3RT1056	185	3RT2038	80
3	110	189	109	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	290	12.5 x Ir	3RU21 56-5CB10-8K	90 - 125	3RT1064	225	3RT1054	115
4	132	227	131.1	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	345	12.5 x Ir	3RU21 56-5DB10-8K	110 - 160	3RT1065	265	3RT1054	115
5	160	271	156.5	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	400	12.5 x Ir	3RU21 56-5EB10-8K	140 - 200	3RT1066	300	3RT1054	115
6	200	339	195.7	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	500	12.5 x Ir	3RU21 56-5FB10-8K	180 - 250	3RT1076	500	3RT1056	185
7	250	398	229.8	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	575	12.5 x Ir	3RU21 56-5GB10-8K	220 - 320	3RT1076	500	3RT1065	265

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 94/95 or consult nearest Siemens Office.



# Fuseless selection Iq = 50 kA, IS/IEC:60947-4-1 (3VT with 3TF & 3UA)

Suitable for IE2 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.)
- MCCB protection setting should be maintained as per below chart.
- For charts with 3VT MCCB for ratings below 75kW, please consult Siemens.
- Recommended selection.**

## Direct-on-line feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker				Bi-relay		Contactor	
				MCCB	Rated current In (A)	Overload Setting Ir (A)	S/C Setting .. x Ir	Type	Range (A)	Type	Amp
1	75	131	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	231	12.5 x Ir	3UA62 30-5A	85 - 135	3TF52	170
2	90	156	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	315	12.5 x Ir	3UA62 30-5B	115-180	3TF53	205
3	110	189	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	400	12.5 x Ir	3UA62 30-5C	160 - 250	3TF53	205
4	132	227	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	455	12.5 x Ir	3UA62 30-5C	160 - 250	3TF54	250
5	160	271	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	550	12.5 x Ir	3UA62 30-5D	200 - 320	3TF55	300
6	200	339	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	630	12.5 x Ir	3UA62 30-5E	250 - 400	3TF57	475
7	250	398	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	630	12.5 x Ir	3UA68 30-5F	320 - 500	3TF57	475

## Star-Delta feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current I <sub>L</sub> (A)	Phase Current I <sub>ph</sub> (A)	Breaking Capacity Iq	Circuit Breaker				Bi-relay		Contactor (Line/Delta)		Contactor (Star)	
					MCCB	Rated current In (A)	Overload Setting Ir (A)	S/C Setting .. x Ir	Type	Range (A)	Type	Amp	Type	Amp
1	75	131	75.6	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	200	12.5 x Ir	3UA58 00-8YZ1	70 - 95	3TF52	170	3TF47	63
2	90	156	90.1	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	231	12.5 x Ir	3UA58 30-5B	70 - 95	3TF53	205	3TF47	63
3	110	189	109	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	290	12.5 x Ir	3UA58 30-5D	95 - 120	3TF53	205	3TF50	110
4	132	227	131.1	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	345	12.5 x Ir	3UA62 30-5B	115 - 180	3TF54	250	3TF50	110
5	160	271	156.5	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	400	12.5 x Ir	3UA62 30-5B	115 - 180	3TF55	300	3TF50	110
6	200	339	195.7	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	500	12.5 x Ir	3UA62 30-5C	160 - 250	3TF57	475	3TF52	170
7	250	398	229.8	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9363-6AC00	630	575	12.5 x Ir	3UA62 30-5D	160 - 250	3TF57	475	3TF54	250

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 94/95 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  $\leq 6$  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 : AS Per IS12615:2018
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VA MCCB for ratings below 75kW, please consult Siemens.
- **Recommended selection.**

## Direct-on-line feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker			Bi-relay		Contactor	
				MCCB	Rated current In (A)	S/C Range Ii (A)	Type	Range (A)	Type	Rating (A)
1	75	129	50kA	3VA1216-6MH32-0AA0	160	7-16 x In	3RU21565DB108K	110-160	3RT1055	150
2	90	151	50kA	3VA1220-6MH32-0AA0	200	6-14 x In	3RU21565EB108K	140-200	3RT1056	185
3	110	186	50kA	3VA1325-6MH32-0AA0	250	8-16 x In	3RU21565EB108K	140-200	3RT1064	225
4	132	221	50kA	3VA1332-6MH32-0AA0	320	8-16 x In	3RU21665FB108K	180-250	3RT1065	265
5	160	267	50kA	3VA1440-6MH32-0AA0	400	8-16 x In	3RU21765HB108K	280-400	3RT1066	300
6	200	332	50kA	3VA1450-6MH32-0AA0	500	8-16 x In	3RU21765HB108K	280-400	3RT1076	500
7	250	420	50kA	3VA1450-6MH32-0AA0	500	8-16 x In	3RU21765JB108K	350-500	3RT1076	500

## Star-Delta feeder

Sr No	kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Phase Current Iph (A)	Breaking Capacity Iq	Circuit Breaker			Bi-relay		Contactor (Line/Delta)		Contactor (Star)	
					MCCB	Rated current In (A)	S/C Range Ii (A)	Type	Range (A)	Type	Rating (A)	Type	Rating (A)
1	75	129	74.5	50kA	3VA1216-6MH32-0AA0	160	7-16 x In	3RU21565BB108K	70-100	3RT1055	150	3RT2044	65
2	90	151	87.2	50kA	3VA1216-6MH32-0AA0	200	6-14 x In	3RU21565CB108K	90-125	3RT1065	185	3RT2044	65
3	110	186	107.4	50kA	3VA1220-6MH32-0AA0	250	8-16 x In	3RU21565DB108K	110-160	3RT1064	225	3RT1054	115
4	132	221	127.6	50kA	3VA1325-6MH32-0AA0	320	8-16 x In	3RU21566EB108K	140-200	3RT1065	265	3RT1056	185
5	160	267	154.2	50kA	3VA1332-6MH32-0AA0	400	8-16 x In	3RU21566EB108K	140-200	3RT1066	300	3RT1056	185
6	200	332	191.7	50kA	3VA1440-6MH32-0AA0	500	8-16 x In	3RU21665FB108K	180-250	3RT1076	500	3RT1065	265
7	250	420	242.5	50kA	3VA1450-6MH32-0AA0	500	8-16 x In	3RU21765HB108K	280-400	3RT1076	500	3RT1066	300

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to LV SGR - Motor Control Products Price list page no. 94/95 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 + 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 (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.
- 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	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-0KB0	0.9 ... 1.25
0.55	1.3	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-1AB0	1.1 ... 1.6
0.75	1.9	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1BB0	1.4 ... 2
1.1	2.6	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1DB0	2.2 ... 3.2
1.5	3.7	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	7.8	3KL811	20	3NA78070RC	20	3RT2023	9	3RU2126-1JB0	7...10
5.5	11.2	3KL812	32	3NA78100RC	25	3RT2024	12	3RU2126-1KB0	9 ... 12.5
7.5	16	3KL812	32	3NA78120RC	32	3RT2025	17	3RU2126-4AB0	11 ... 16
11	20.8	3KL815	63	3NA78200RC	50	3RT2026	25	3RU2126-4DB0	20 ... 25
15	28	3KL815	63	3NA78220RC	63	3RT2027	32	3RU2126-4EB0	27 ... 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	53	3KL821	100	3NA78300RC	100	3RT2037	65	3RU2136-4QB0	47 ... 57
37	65	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	78	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4RB0	70 ... 80
55	96	3KL823	160	3NA78360RC	160	3RT1054	115	3RU2146-4MB0	80 ... 100
75	132	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	195	3KL832	250	3NA71440RC	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	230	3KL833	315	3NA72520RC	315	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	280	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	16	9.2	3KL811	20	3NA78070RC	20	3RT2024	12	3RT2023	9	3RU2126-1JB0	7 ... 10	3RP15
11	20.8	12	3KL812	32	3NA78100RC	25	3RT2024	12	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	53	30.6	3KL821	100	3NA78220RC	80	3RT2035	40	3RT2026	25	3RU2136-4EB0	22 ... 32	3RP15
37	65	37.5	3KL821	100	3NA78240RC	80	3RT2035	40	3RT2027	32	3RU2136-4FB0	28 ... 40	3RP15
45	78	45	3KL821	100	3NA78300RC	100	3RT2036	50	3RT2028	40	3RU2136-4HB0	40 ... 50	3RP15
55	96	55.4	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2035	40	3RU2136-4JB0	54 ... 65	3RP15
75	131	75.6	3KL823	160	3NA78360RC	160	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	3RP15
90	156	90.1	3KL823	160	3NA78360RC	160	3RT2046	95	3RT2038	80	3RU2146-4LB0	70 ... 90	3RP15
110	195	113	3KL831	200	3NA71400RC	200	3RT1054	115	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	230	133	3KL832	250	3NA71440RC	250	3RT1055	150	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	280	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	3RT1065	265	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

# 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 + 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 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	3UA5000-1C	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	3KL821	100	3NA78240RC	80	3TF46	45	3UA5800-2FZ1	32 - 50	3UA5800-2FZ1	32 - 47
30	53	3KL821	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	3KL821	100	3NA78240RC	80	3TF35	38	3TF34	32	3UA5500-2R	32-40	3UA5500-8M	36-45	3RP15
45	78	45	3KL821	100	3NA78300RC	100	3TF46	45	3TF34	32	3UA5800-2FZ1	32-50	3UA5800-2FZ1	32-47	3RP15
55	96	55.4	3KL821	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

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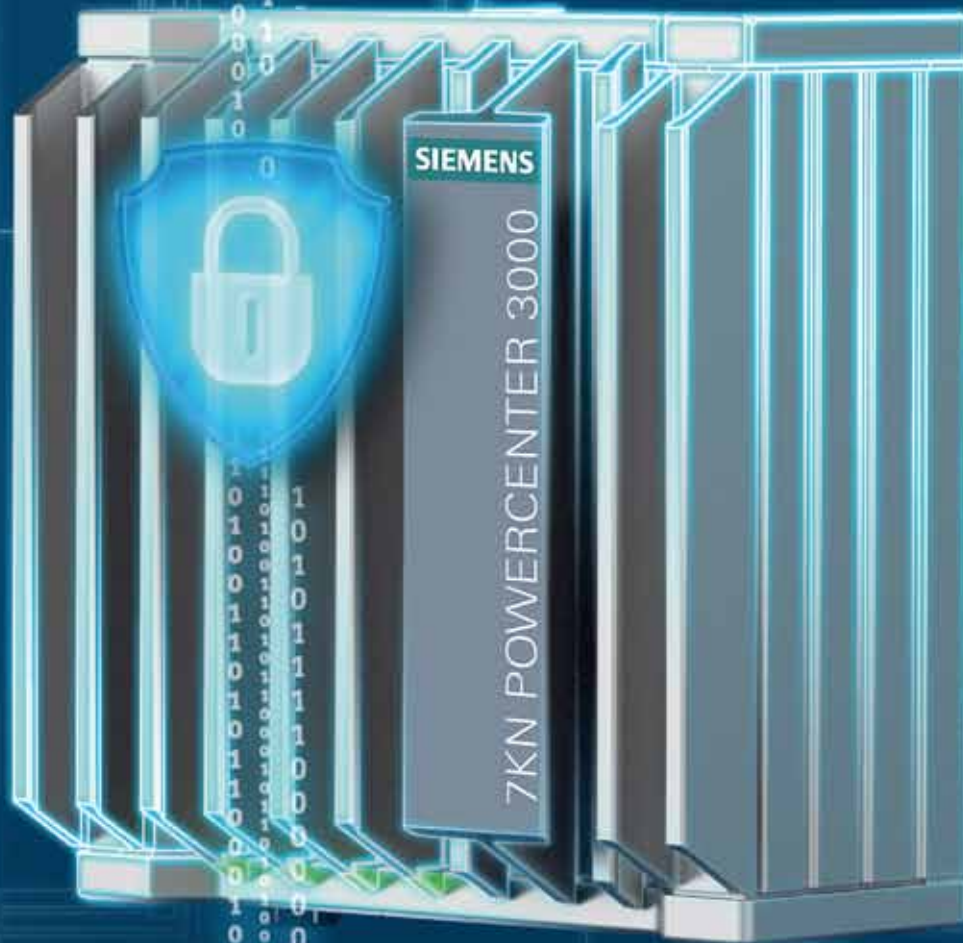
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3-Pole On-Off <sup>1), 2)</sup>		■ 3ST1 400-1AH08
Ammeter selector	0-L1-L2-L3	■ 3ST1 400-2RQ08
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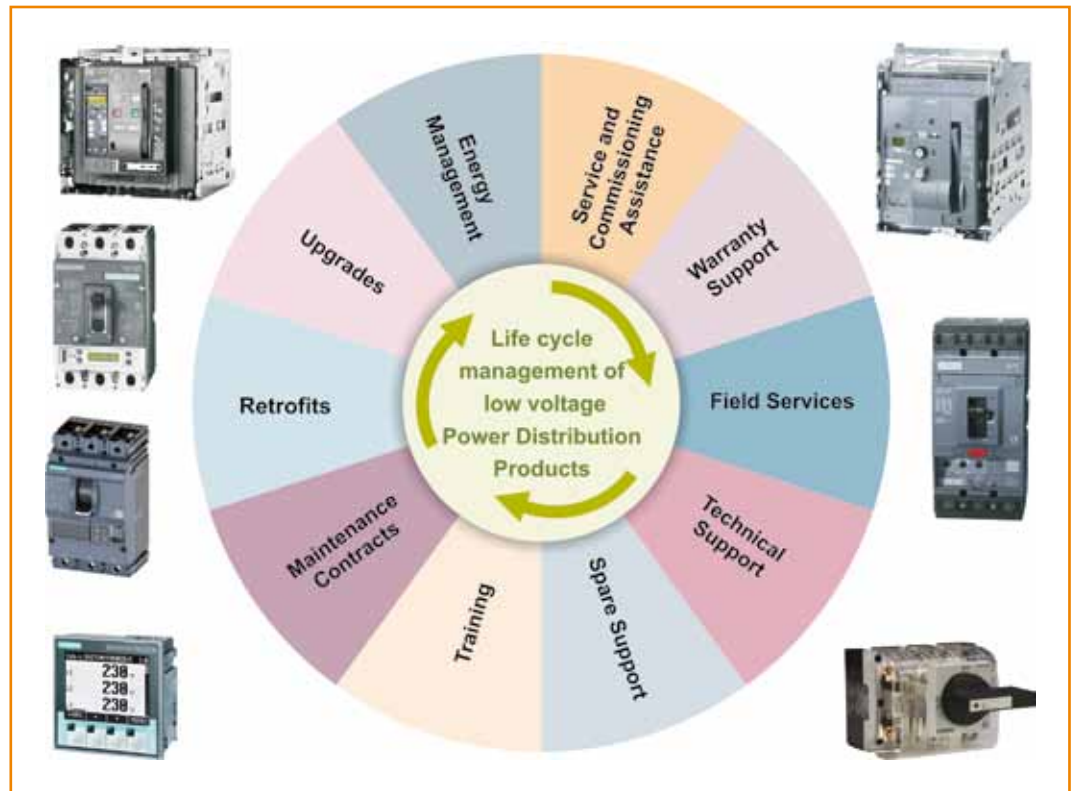


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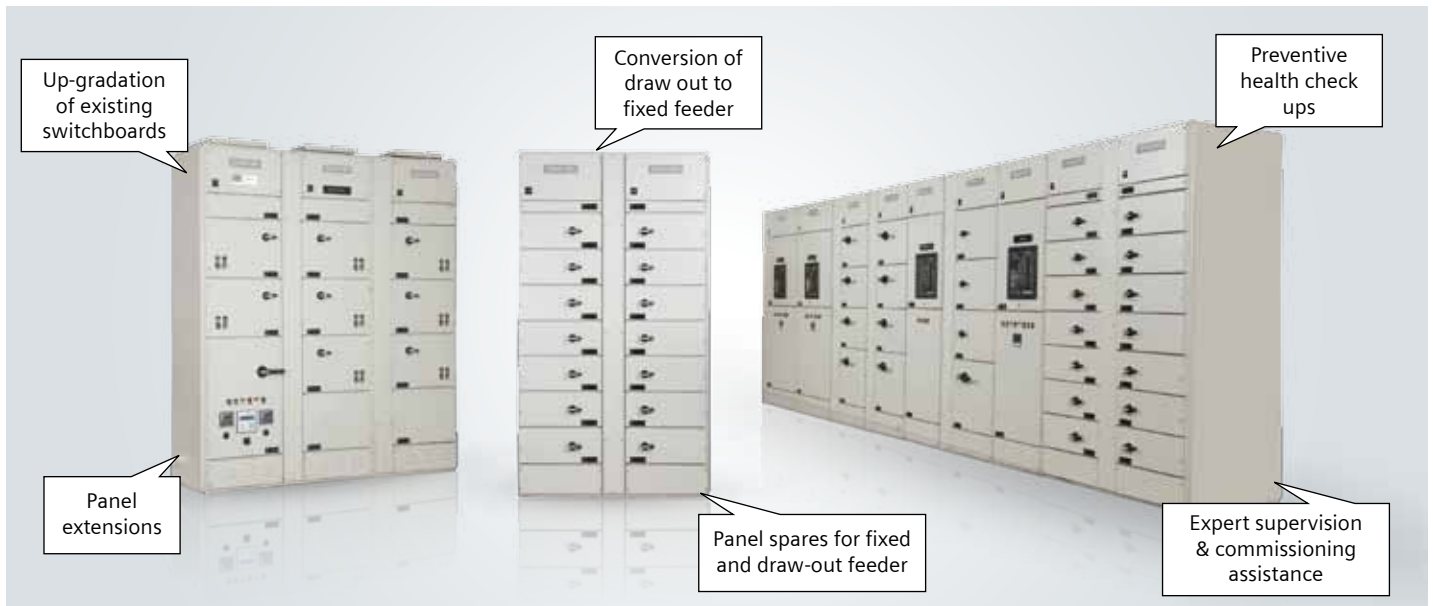
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