



**SIEMENS**

*Ingenuity for life*



Your trusted partner for  
reliable power

Low Voltage Power Distribution products

Price List w.e.f. 1st October, 2016

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

Title	Course Code	Days
<b>Training Program on Automation Products</b>		
SIMATIC S7-1200 with STEP7 V13	AS-TIA1200	4
SIMATIC S7-1500 with STEP7 V13	AS-TIA1500	5
SIMATIC S7-300 Basic with STEP7 V5.5	AS-ST300	8
SIMATIC S7-400 Basic with STEP7 V5.5	AS-ST400	8
SIMATIC S7-300/400 Advance with STEP7 V5.5	AS-ST300/400	6
Networking on Profibus/Profinet with STEP7 V5.5	AS-STNET	5
SIMATIC WinCC Basic V7	AS-STWINCCB	5
SIMATIC WinCC Advance V7	AS-STWINCCA	3
DCS: SIMATIC PCS 7 Basic	AS-STPCS7B	10
DCS: SIMATIC PCS 7 Advance	AS-STPCS7A	10
DCS: SIMATIC PCS 7 SERV(Troubleshooting/Maint)	AS-STPCS7S	5
SIMATIC Distributed (Machine Safety) course	AS-STSAFM	3
SIMATIC Fail-safe (Process Safety) course	AS-STSAFP	3
<b>Training Program on Drive Products</b>		
Basics AC DC Drive	DR-BDT	5
Basic Drive with MM4 Maintenance	DR-MM4	5
SIMOVERT Masterdrive Vector control	DR-MDVC	6
SIMOREG 6RA70	DR-DC70	6
SINAMICS DCM 6RA80	DR-DCM	6

Title	Course Code	Days
SINAMICS V90	DR-V90	3
SINAMICS V20	DR-V20	3
SINAMICS G120	DR-G120	5
SINAMICS G130/G150	DR-G130	6
SINAMICS S120	DR-S120	6
SIMOTION System & Programming	DR-SIMO	8
SINAMICS Perfect Harmony GH180	DR-GH180	5
<b>Training Program on LV Switchgear Products</b>		
LV Switchgear Products & Maintenance	ESGPM	5
LV Power Distribution Systems	EPD	2
SIMOCODE AC-Motor control	ESM	2
Basic Automation for Switchgear User	EBAS	3
AC Motor Basics Control & Maintenance	EIM	3
SIRIUS Soft Starter	ESS	2
SENTRON PAC Meter	EPAC	2
SENTRON Power Manager	ESPM	2
<b>Training Program on Process Instrumentation and Mechatronics</b>		
Basic Course on Process Instrumentation	PIA100	4
Basic Course on Mechatronics (Siemens-Berlin Certification)	SMSCP-L1	30
Basic Course on Mechatronics (Siemens-India Certification)	CU-MEX	12

### Siemens Training Centres In India (Address & Contacts)

**Sitrain India (Kalwa)**  
Siemens Training Centre  
TSDC, Kalwa Works  
Thane-Belapur Road, Thane - 400601  
Contact: Ms. Shalaka Shinde  
Tel: +91-22-39663208/8087  
E-mail: customer.training.in@siemens.com

**TSP-West 1 (Navi-Mumbai)**  
Esskay Services  
Block No-801-802, B Wing  
Techno City Plot No. X-4/1 & X-4/2  
TTC Industrial Area, Mahape  
Navi Mumbai - 460710  
Contact: Ms. Pratiksha Kadam  
Tel: +91-22-27788403  
E-mail: mumtc@esskay.in

**TSP-CENTRAL (Bhilai)**  
Artech Solutions  
2/5, Priyadarshni Parisar (West)  
Nehru Nagar Square  
Bhilai - 490020, Chhattisgarh  
Contact: G Prabhakar Rao  
Tel: +91-712-2243338  
E-mail: training@artechsolutions.in

**TSP-East (Kolkata)**  
Esskay Services  
Lane-2 Swarupnagar  
Dankuni, Hooghly - 712311  
Contact: Mr. Dharmendra Kumar  
Tel: +91-33-26590258  
E-mail: koltc@esskay.in

**TSP-North 1 (Chandigarh)**  
Industrial Automation Training Centre  
SCO 134, 135, 136, Sector - 34A  
Chandigarh - 160034, Haryana (India)  
Contact: Ms. Vandita Dua  
Tel: +91172-4674417/18  
E-mail: iatc@iagautomation.in

**TSP - North2 (Jaipur)**  
Johns Electric Company Private Limited  
C-25(B), Malviya Industrial Area  
Jaipur - 302017, Rajasthan, India.  
Contact: Ms. Prachi Bhargava  
Tel: +91-141-2751694/357  
E-mail: prachibhargava@johnselectric.in

**TSP - South 1 (Coimbatore)**  
Karunya-Siemens Centre  
Karunya University, Karunya Nagar  
Coimbatore - 641114  
Contact: Dr. V. Jegathesan  
Tel: +91-422-2614400 / 4399  
E-mail: siemens@karunya.edu

**TSP - South 2 (Hyderabad)**  
Esskay Technologies  
9-10-13, 2nd Floor, Siddam Shetty Complex  
Above Canara Bank  
Opposite Raymond Showroom, Parklane  
Secunderabad - 500003  
Contact: Mr. Mohan  
Tel: +91-40-66776353/66386352

**TSP - South 3 (Chennai)**  
Vi-Microsystems Pvt. Ltd.  
Plot No. 75, Electronics Estate  
Perungudi, Chennai-600096  
Contact: Mr. VijayBabu  
Tel: +91-44-42047536  
E-mail: vijayababu@vimicrosystems.com

**TSP-West 2 Christiani Sharpline  
Technical Training (P) Ltd. (Kalwa)**  
Plot No. 19, TTC Industrial Area  
Vishnu Nagar, Digha  
Navi Mumbai - 400708  
Contact: Ms. Sarita Pawde  
Tel: +91-22-39154101/105  
E-mail: sarita@sharplinegroup.com

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



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# SIEMENS

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Totally Integrated Power – SENTRON

## The 3VA moulded case circuit breaker.

A complete system designed with you in mind.

Safe, flexible and efficient - the 3VA moulded case circuit breaker is ideally suited to the wide variety of functions inherent in all process phases:

Find Solutions: For all your individual requirements

Minimum Efforts: From planning to installation and maintenance

Increase transparency: Across all energy -relevant data

Ensures system availability: Preventively and reliably

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

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

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

## MCCB: SENTRON 3VA

- Rated current: 16A to 630A
- 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	6790.-	3VA1096-2ED42-0AA0	8810.-		
		20	3VA1020-2ED32-0AA0	6790.-	3VA1020-2ED42-0AA0	8810.-		
		25	3VA1025-2ED32-0AA0	6790.-	3VA1025-2ED42-0AA0	8810.-		
		32	3VA1032-2ED32-0AA0	6790.-	3VA1032-2ED42-0AA0	8810.-		
		40	3VA1040-2ED32-0AA0	6790.-	3VA1040-2ED42-0AA0	8810.-		
		50	3VA1050-2ED32-0AA0	6790.-	3VA1050-2ED42-0AA0	8810.-		
		63	3VA1063-2ED32-0AA0	6790.-	3VA1063-2ED42-0AA0	8810.-		
		80	3VA1080-2ED32-0AA0	7430.-	3VA1080-2ED42-0AA0	9650.-		
		100	3VA1010-2ED32-0AA0	8595.-	3VA1010-2ED42-0AA0	11200.-		
3VA10	25kA	16	3VA1096-3ED32-0AA0	6975.-	3VA1096-3ED42-0AA0	9100.-		
		20	3VA1020-3ED32-0AA0	6975.-	3VA1020-3ED42-0AA0	9100.-		
		25	3VA1025-3ED32-0AA0	6975.-	3VA1025-3ED42-0AA0	9100.-		
		32	3VA1032-3ED32-0AA0	6975.-	3VA1032-3ED42-0AA0	9100.-		
		40	3VA1040-3ED32-0AA0	6975.-	3VA1040-3ED42-0AA0	9100.-		
		50	3VA1050-3ED32-0AA0	6975.-	3VA1050-3ED42-0AA0	9100.-		
		63	3VA1063-3ED32-0AA0	6975.-	3VA1063-3ED42-0AA0	9100.-		
		80	3VA1080-3ED32-0AA0	7585.-	3VA1080-3ED42-0AA0	9875.-		
		100	3VA1010-3ED32-0AA0	8780.-	3VA1010-3ED42-0AA0	11425.-		
3VA11		125	3VA1112-3ED32-0AA0	14800.-	3VA1112-3ED42-0AA0	19215.-		
		160	3VA1116-3ED32-0AA0	17220.-	3VA1116-3ED42-0AA0	22405.-		
3VA10	36kA	16	3VA1096-4ED32-0AA0	7360.-	3VA1196-4GD42-0AA0	10185.-		
		20	3VA1020-4ED32-0AA0	7360.-	3VA1120-4GD42-0AA0	10185.-		
		25	3VA1025-4ED32-0AA0	7360.-	3VA1125-4GD42-0AA0	10185.-		
		32	3VA1032-4ED32-0AA0	7360.-	3VA1132-4GD42-0AA0	10185.-		
		40	3VA1040-4ED32-0AA0	7360.-	3VA1140-4GD42-0AA0	10185.-		
		50	3VA1050-4ED32-0AA0	7360.-	3VA1150-4GD42-0AA0	10185.-		
		63	3VA1063-4ED32-0AA0	7360.-	3VA1163-4GD42-0AA0	10185.-		
		80	3VA1080-4ED32-0AA0	7730.-	3VA1180-4GD42-0AA0	11170.-		
		100	3VA1010-4ED32-0AA0	8965.-	3VA1110-4GD42-0AA0	12905.-		
3VA11		125	3VA1112-4ED32-0AA0	16070.-	3VA1112-4GD42-0AA0	20885.-		
		160	3VA1116-4ED32-0AA0	18740.-	3VA1116-4GD42-0AA0	24360.-		
3VA11	55kA	16	3VA1196-5ED32-0AA0	8635.-	3VA1196-5GD42-0AA0	11200.-		
		20	3VA1120-5ED32-0AA0	8635.-	3VA1120-5GD42-0AA0	11200.-		
		25	3VA1125-5ED32-0AA0	8635.-	3VA1125-5GD42-0AA0	11200.-		
		32	3VA1132-5ED32-0AA0	8635.-	3VA1132-5GD42-0AA0	11200.-		
		40	3VA1140-5ED32-0AA0	8635.-	3VA1140-5GD42-0AA0	11200.-		
		50	3VA1150-5ED32-0AA0	8635.-	3VA1150-5GD42-0AA0	11200.-		
		63	3VA1163-5ED32-0AA0	8635.-	3VA1163-5GD42-0AA0	11200.-		
		80	3VA1180-5ED32-0AA0	9465.-	3VA1180-5GD42-0AA0	12300.-		
				100	3VA1110-5ED32-0AA0	10955.-	3VA1110-5GD42-0AA0	14220.-
				125	3VA1112-5ED32-0AA0	17660.-	3VA1112-5GD42-0AA0	22950.-
		160	3VA1116-5ED32-0AA0	20590.-	3VA1116-5GD42-0AA0	26790.-		

^ 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	8855.-	3VA1196-3GE42-0AA0	12680.-
		20	3VA1120-3EE32-0AA0	8855.-	3VA1120-3GE42-0AA0	12680.-
		25	3VA1125-3EE32-0AA0	8855.-	3VA1125-3GE42-0AA0	12680.-
		32	3VA1132-3EE32-0AA0	8855.-	3VA1132-3GE42-0AA0	12680.-
		40	3VA1140-3EE32-0AA0	8855.-	3VA1140-3GE42-0AA0	12680.-
		50	3VA1150-3EE32-0AA0	8855.-	3VA1150-3GE42-0AA0	12680.-
		63	3VA1163-3EE32-0AA0	8855.-	3VA1163-3GE42-0AA0	12680.-
		80	3VA1180-3EE32-0AA0	8855.-	3VA1180-3GE42-0AA0	12680.-
		100	3VA1110-3EE32-0AA0	9465.-	3VA1110-3GE42-0AA0	12680.-
		125	3VA1112-3EE32-0AA0	16070.-	3VA1112-3GE42-0AA0	19780.-
		160	3VA1116-3EE32-0AA0	17725.-	3VA1116-3GE42-0AA0	22985.-
3VA11	36kA	16	3VA1196-4EE32-0AA0	10930.-	3VA1196-4GE42-0AA0	14315.-
		20	3VA1120-4EE32-0AA0	10930.-	3VA1120-4GE42-0AA0	14315.-
		25	3VA1125-4EE32-0AA0	10930.-	3VA1125-4GE42-0AA0	14315.-
		32	3VA1132-4EE32-0AA0	10930.-	3VA1132-4GE42-0AA0	14315.-
		40	3VA1140-4EE32-0AA0	10930.-	3VA1140-4GE42-0AA0	14315.-
		50	3VA1150-4EE32-0AA0	10930.-	3VA1150-4GE42-0AA0	14315.-
		63	3VA1163-4EE32-0AA0	10930.-	3VA1163-4GE42-0AA0	14315.-
		80	3VA1180-4EE32-0AA0	10930.-	3VA1180-4GE42-0AA0	14315.-
		100	3VA1110-4EE32-0AA0	10930.-	3VA1110-4GE42-0AA0	14315.-
		125	3VA1112-4EE32-0AA0	16830.-	3VA1112-4GE42-0AA0	21430.-
		160	3VA1116-4EE32-0AA0	19255.-	3VA1116-4GE42-0AA0	24985.-
3VA12		200#	3VA1220-4EF32-0AA0	25570.-	3VA1220-4GF42-0AA0	31510.-
		250#	3VA1225-4EF32-0AA0	27105.-	3VA1225-4GF42-0AA0	34030.-
3VA11	55kA	16	3VA1196-5EE32-0AA0	12460.-	3VA1196-5GE42-0AA0	15740.-
		20	3VA1120-5EE32-0AA0	12460.-	3VA1120-5GE42-0AA0	15740.-
		25	3VA1125-5EE32-0AA0	12460.-	3VA1125-5GE42-0AA0	15740.-
		32	3VA1132-5EE32-0AA0	12460.-	3VA1132-5GE42-0AA0	15740.-
		40	3VA1140-5EE32-0AA0	12460.-	3VA1140-5GE42-0AA0	15740.-
		50	3VA1150-5EE32-0AA0	12460.-	3VA1150-5GE42-0AA0	15740.-
		63	3VA1163-5EE32-0AA0	12460.-	3VA1163-5GE42-0AA0	15740.-
		80	3VA1180-5EE32-0AA0	12460.-	3VA1180-5GE42-0AA0	15740.-
		100	3VA1110-5EE32-0AA0	12460.-	3VA1110-5GE42-0AA0	15740.-
		125	3VA1112-5EE32-0AA0	19565.-	3VA1112-5GE42-0AA0	23495.-
		160	3VA1116-5EE32-0AA0	21170.-	3VA1116-5GE42-0AA0	27320.-
3VA12		200#	3VA1220-5EF32-0AA0	26630.-	3VA1220-5GF42-0AA0	32515.-
		250#	3VA1225-5EF32-0AA0	28230.-	3VA1225-5GF42-0AA0	35765.-
3VA11	70kA	16	3VA1196-6EE32-0AA0	17045.-	3VA1196-6GE42-0AA0	21420.-
		20	3VA1120-6EE32-0AA0	17045.-	3VA1120-6GE42-0AA0	21420.-
		25	3VA1125-6EE32-0AA0	17045.-	3VA1125-6GE42-0AA0	21420.-
		32	3VA1132-6EE32-0AA0	17045.-	3VA1132-6GE42-0AA0	21420.-
		40	3VA1140-6EE32-0AA0	17045.-	3VA1140-6GE42-0AA0	21420.-
		50	3VA1150-6EE32-0AA0	17045.-	3VA1150-6GE42-0AA0	21420.-
		63	3VA1163-6EE32-0AA0	17045.-	3VA1163-6GE42-0AA0	21420.-
		80	3VA1180-6EE32-0AA0	17045.-	3VA1180-6GE42-0AA0	21420.-
		100	3VA1110-6EE32-0AA0	17045.-	3VA1110-6GE42-0AA0	21420.-
		125	3VA1112-6EE32-0AA0	31690.-	3VA1112-6GE42-0AA0	33985.-
		160	3VA1116-6EE32-0AA0	31690.-	3VA1116-6GE42-0AA0	33985.-
3VA12		200#	3VA1220-6EF32-0AA0	35910.-	3VA1220-6GF42-0AA0	46200.-
		250#	3VA1225-6EF32-0AA0	35910.-	3VA1225-6GF42-0AA0	46200.-

Std. Pkg. = 1 unit # - Adjustable Thermal, Adjustable Magnetic

\* LP - List Price

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



Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)		Breaking Capacity (70kA, 415V, 50Hz)	
		Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	1	3VA1181-5MG32-0AA0*	11460.-	3VA1181-6MG32-0AA0*	14070.-
	2	3VA1102-5MG32-0AA0*	11460.-	3VA1102-6MG32-0AA0*	14070.-
	4	3VA1104-5MG32-0AA0*	11460.-	3VA1104-6MG32-0AA0*	14070.-
	8	3VA1108-5MG32-0AA0*	11460.-	3VA1108-6MG32-0AA0*	14070.-
	12.5	3VA1192-5MG32-0AA0*	11460.-	3VA1192-6MG32-0AA0*	14070.-
	20	3VA1120-5MH32-0AA0	11460.-	3VA1120-6MH32-0AA0	14070.-
	32	3VA1132-5MH32-0AA0	13685.-	3VA1132-6MH32-0AA0	14750.-
	40	3VA1140-5MH32-0AA0	13685.-	3VA1140-6MH32-0AA0	14750.-
	50	3VA1150-5MH32-0AA0	13685.-	3VA1150-6MH32-0AA0	14750.-
	63	3VA1163-5MH32-0AA0	13685.-	3VA1163-6MH32-0AA0	14750.-
	80	3VA1180-5MH32-0AA0	13685.-	3VA1180-6MH32-0AA0	14750.-
	100	3VA1110-5MH32-0AA0	13685.-	3VA1110-6MH32-0AA0	14750.-
	125	3VA1112-5MH32-0AA0	19625.-	3VA1112-6MH32-0AA0	21220.-
3VA12	160	3VA1216-5MH32-0AA0	20600.-	3VA1216-6MH32-0AA0	29355.-
	200	3VA1220-5MH32-0AA0	28325.-	3VA1220-6MH32-0AA0	34765.-

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	5795.-
		20	3VA1120-3ED22-0AA0	5795.-
		25	3VA1125-3ED22-0AA0	5795.-
		32	3VA1132-3ED22-0AA0	5795.-
		40	3VA1140-3ED22-0AA0	5795.-
		50	3VA1150-3ED22-0AA0	5795.-
		63	3VA1163-3ED22-0AA0	5795.-
		80	3VA1180-3ED22-0AA0	6340.-
		100	3VA1110-3ED22-0AA0	7430.-
		125	3VA1112-3ED22-0AA0	12020.-
3VA11	36kA	16	3VA1196-4ED22-0AA0	6340.-
		20	3VA1120-4ED22-0AA0	6340.-
		25	3VA1125-4ED22-0AA0	6340.-
		32	3VA1132-4ED22-0AA0	6340.-
		40	3VA1140-4ED22-0AA0	6340.-
		50	3VA1150-4ED22-0AA0	6340.-
		63	3VA1163-4ED22-0AA0	6340.-
		80	3VA1180-4ED22-0AA0	7000.-
		100	3VA1110-4ED22-0AA0	8090.-
		125	3VA1112-4ED22-0AA0	12895.-
160	3VA1116-4ED22-0AA0	15085.-		



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 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	17195.-	3VA2025-4HL42-0AA0	22170.-		
		40	3VA2040-4HL32-0AA0	17195.-	3VA2040-4HL42-0AA0	22170.-		
		63	3VA2063-4HL32-0AA0	17195.-	3VA2063-4HL42-0AA0	22170.-		
		100	3VA2010-4HL32-0AA0	17195.-	3VA2010-4HL42-0AA0	22170.-		
3VA21		160	3VA2116-4HL32-0AA0	23250.-	3VA2116-4HL42-0AA0	32445.-		
3VA22		250	3VA2225-4HL32-0AA0	31905.-	3VA2225-4HL42-0AA0	43260.-		
3VA20	55kA	25	3VA2025-5HL32-0AA0	21865.-	3VA2025-5HL42-0AA0	29955.-		
		40	3VA2040-5HL32-0AA0	21865.-	3VA2040-5HL42-0AA0	29955.-		
		63	3VA2063-5HL32-0AA0	21865.-	3VA2063-5HL42-0AA0	29955.-		
		100	3VA2010-5HL32-0AA0	21865.-	3VA2010-5HL42-0AA0	29955.-		
		3VA21		160	3VA2116-5HL32-0AA0	27720.-	3VA2116-5HL42-0AA0	35895.-
		3VA22		250	3VA2225-5HL32-0AA0	36220.-	3VA2225-5HL42-0AA0	47815.-
		3VA23		400	3VA2340-5HL32-0AA0	45965.-	3VA2340-5HL42-0AA0	60240.-
3VA24		630	3VA2463-5HL32-0AA0	47585.-	3VA2463-5HL42-0AA0	63055.-		
3VA20	85kA	25	3VA2025-6HL32-0AA0	28585.-	3VA2025-6HL42-0AA0	35420.-		
		40	3VA2040-6HL32-0AA0	28585.-	3VA2040-6HL42-0AA0	35420.-		
		63	3VA2063-6HL32-0AA0	28585.-	3VA2063-6HL42-0AA0	35420.-		
		100	3VA2010-6HL32-0AA0	28585.-	3VA2010-6HL42-0AA0	35420.-		
		3VA21		160	3VA2116-6HL32-0AA0	37490.-	3VA2116-6HL42-0AA0	47850.-
		3VA22		250	3VA2225-6HL32-0AA0	41635.-	3VA2225-6HL42-0AA0	60625.-
		3VA23		400	3VA2340-6HL32-0AA0	52240.-	3VA2340-6HL42-0AA0	68600.-
		3VA24		630	3VA2463-6HL32-0AA0	53535.-	3VA2463-6HL42-0AA0	83275.-

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	23685.-	3VA2025-4HM42-0AA0	29200.-		
		40	3VA2040-4HM32-0AA0	23685.-	3VA2040-4HM42-0AA0	29200.-		
		63	3VA2063-4HM32-0AA0	23685.-	3VA2063-4HM42-0AA0	29200.-		
		100	3VA2010-4HM32-0AA0	23685.-	3VA2010-4HM42-0AA0	29200.-		
3VA21		160	3VA2116-4HM32-0AA0	29955.-	3VA2116-4HM42-0AA0	37310.-		
3VA22		250	3VA2225-4HM32-0AA0	37855.-	3VA2225-4HM42-0AA0	47585.-		
3VA20	55kA	25	3VA2025-5HM32-0AA0	26995.-	3VA2025-5HM42-0AA0	30935.-		
		40	3VA2040-5HM32-0AA0	26995.-	3VA2040-5HM42-0AA0	30935.-		
		63	3VA2063-5HM32-0AA0	26995.-	3VA2063-5HM42-0AA0	30935.-		
		100	3VA2010-5HM32-0AA0	27555.-	3VA2010-5HM42-0AA0	32335.-		
		3VA21		160	3VA2116-5HM32-0AA0	37120.-	3VA2116-5HM42-0AA0	44540.-
		3VA22		250	3VA2225-5HM32-0AA0	45270.-	3VA2225-5HM42-0AA0	56495.-
		3VA23		400	3VA2340-5HM32-0AA0	54670.-	3VA2340-5HM42-0AA0	68950.-
3VA24		630	3VA2463-5HM32-0AA0	60140.-	3VA2463-5HM42-0AA0	75840.-		
3VA20	85kA	25	3VA2025-6HM32-0AA0	33710.-	3VA2025-6HM42-0AA0	40995.-		
		40	3VA2040-6HM32-0AA0	33710.-	3VA2040-6HM42-0AA0	40995.-		
		63	3VA2063-6HM32-0AA0	33710.-	3VA2063-6HM42-0AA0	40995.-		
		100	3VA2010-6HM32-0AA0	33710.-	3VA2010-6HM42-0AA0	40995.-		
		3VA21		160	3VA2116-6HM32-0AA0	42945.-	3VA2116-6HM42-0AA0	53910.-
		3VA22		250	3VA2225-6HM32-0AA0	50290.-	3VA2225-6HM42-0AA0	70570.-
		3VA23		400	3VA2340-6HM32-0AA0	60940.-	3VA2340-6HM42-0AA0	77305.-
		3VA24		630	3VA2463-6HM32-0AA0	67035.-	3VA2463-6HM42-0AA0	85040.-



SENTRON 3VA MCCB, Switch Disconnecter (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	9615.-	3VA1163-1AA42-0AA0	14205.-
		100	3VA1110-1AA32-0AA0	9615.-	3VA1110-1AA42-0AA0	14205.-
		125	3VA1112-1AA32-0AA0	19670.-	3VA1112-1AA42-0AA0	26225.-
		160	3VA1116-1AA32-0AA0	19670.-	3VA1116-1AA42-0AA0	26225.-
3VA12	NA	250	3VA1225-1AA32-0AA0	19670.-	3VA1225-1AA42-0AA0	26225.-

## Earth fault protection for SENTRON 3VA & 3VT moulded case circuit breaker

NEW

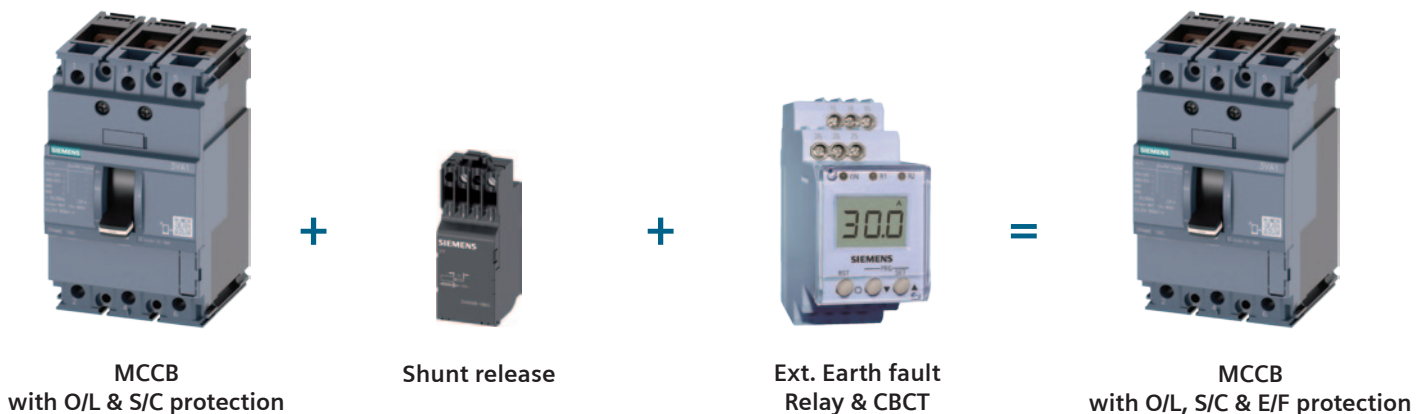
### Earth fault monitoring relay

- Comply to IEC 60947-4-1 & IEC 60947-5-1
- Universal auxiliary supply: 85-270V AC/DC
- LCD display
- Potential free change over contact: 2C/O - one for Alarm and one for trip
- Space saving - 35mm width
- Setting range from 10%-80% of CBCT current
- Auto, Manual and Remote rest feature
- Settable trip time delay from 0-99.9s
- RoHS compliant



Description	Type	Unit LP* ₹
Earth fault monitoring relay	7UG0861-1BU20	4000.-
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

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



Std. Pkg. = 1 unit

\* LP - List Price

## SENTRON 3VA - Accessories

Frame	3VA1 100A / 160A / 250A	Unit MRP* ₹	3VA2 100A / 160A / 250A 3VA2 400A / 630A	Unit MRP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA9988-0AA12 (1 C/O)	1470.-	3VA9988-0AA12 (1 C/O)	1470.-
Alarm switch (TAS)	3VA9988-0AB12 (1 C/O)	2265.-	3VA9988-0AB12 (1 C/O)	2265.-
Short-circuit Alarm switch (SAS) for 3VA1 Only	3VA9988-0AB32 (for 3VA10/ 11 100A/160A)	1205.-	-	
	3VA9988-0AB34 (for 3VA12 250A)	1205.-	-	
Electrical alarm switches (EAS) for 3VA2 Only	-		3VA9988-0AB22	1205.-
Under voltage release (UVR)				
120-127 V AC 50/60 Hz	3VA9908-0BB24	3475.-	3VA9908-0BB24	3475.-
208-230 V AC 50/60 Hz	3VA9908-0BB25	3475.-	3VA9908-0BB25	3475.-
380-400 V AC 50/60 Hz	3VA9908-0BB26	3475.-	3VA9908-0BB26	3475.-
Shunt release flexible (STF)				
110-127 V AC 50/60 HZ	3VA9988-0BA22	2610.-	3VA9988-0BA22	2610.-
208-277 V AC 50/60 HZ	3VA9988-0BA23	2610.-	3VA9988-0BA23	2610.-
380-500 V AC 50/60 HZ	3VA9988-0BA24	2610.-	3VA9988-0BA24	2610.-
Extended Door Mounted Rotary Operator (including 8UC handle) <sup>1)</sup>	3VA9157-0FK51 (for 3VA10/ 11 100A/160A)	2120.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	2230.-
	3VA9257-0FK51 (for 3VA12 250A)	2230.-	3VA9467-0FK54 (for 3VA23/ 24 400A/ 630A)	3715.-
Illuminated - Door mounted rotary operator 24V DC	3VA9157-0FK23 (for 3VA10/ 11 100A/160A)	4480.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	4920.-
	3VA9257-0FK23 (for 3VA12 250A)	4920.-	3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A)	6255.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. (for 3VA10/ 11 100A/160A)	3665.-	8UC60701YQ.. (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	3665.-
	8UC60701YQ.. (for 3VA12 250A)	3665.-	8UC60702YQ.. (for 3VA23/ 24 400A/ 630A)	3760.-
Sliding Bar Interlock (for same size breakers with Toggle Lever)	3VA9158-0VF30 (for 3VA10/ 11 100A/160A)	4480.-	3VA9168-0VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	4920.-
	3VA9258-0VF30 (for 3VA12 250A)	4650.-	3VA9368-0VF30 (for 3VA23/ 24 400A/ 630A)	5245.-
Locking device for breaker with Toggle lever	3VA9088-0LB10	1370.-	3VA9388-0LB10	1805.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA9157-0HA20 (for 3VA11 160A)	15030.-	3VA9267-0HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	19670.-
	3VA9257-0HA20 (for 3VA12 250A)	19670.-	3VA9467-0HA20 (for 3VA23/ 24 400A/ 630A)	23230.-
Spreader links - Broadened (with phase barriers)	3VA9153-0QC00 (for 3pole, 3VA10/ 11 100A/ 160A)	1865.-	3VA9263-0QC00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	1965.-
	3VA9154-0QC00 (for 4pole, 3VA10/ 11 100A/ 160A)	2410.-	3VA9264-0QC00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	2625.-
	3VA9253-0QC00 (for 3pole, 3VA12 250A)	1910.-	3VA9483-0QC00 (for 3pole, 3VA23/ 24 400A/ 630A)	2330.-
	3VA9254-0QC00 (for 4pole, 3VA12 250A)	2545.-	3VA9484-0QC00 (for 4pole, 3VA23/ 24 400A/ 630A)	3090.-
Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)	3VA9113-0QE00 (for 3pole, 3VA10/ 11 100A/ 160A)	1535.-	3VA9203-0QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	1965.-
	3VA9114-0QE00 (for 4pole, 3VA10/ 11 100A/ 160A)	2080.-	3VA9204-0QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	2625.-
	3VA9213-0QE00 (for 3pole, 3VA12 250A)	1970.-	3VA9403-0QE00 (for 3pole, 3VA23/ 24 400A/ 630A)	3185.-
	3VA9214-0QE00 (for 4pole, 3VA12 250A)	2625.-	3VA9404-0QE00 (for 4pole, 3VA23/ 24 400A/ 630A)	4245.-
Phase Barriers (1 set = 2 phase barriers)	3VA9152-0WA00 (for 3VA10/ 11 100A/ 160A)	290.-	3VA9262-0WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	295.-
	3VA9252-0WA00 (for 3VA12 250A)	295.-	3VA9482-0WA00 (for 3VA23/ 24 400A/ 630A)	685.-



AUX



TAS



SAS



EAS



UVR



STF

### 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 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

## 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....	239400.-	302380.-	158100.-	237095.-
	800	3WL1108....	242020.-	308335.-	162970.-	243155.-
	1000	3WL1110....	248425.-	329715.-	178875.-	256815.-
	1250	3WL1112....	300875.-	380485.-	220075.-	313575.-
	1600	3WL1116....	331795.-	418025.-	232930.-	337810.-
II	2000	3WL1220....	358520.-	474420.-	241480.-	351725.-
	2500	3WL1225....	421320.-	540935.-	256720.-	405490.-
	3200	3WL1232....	546065.-	749950.-	365955.-	615950.-
	4000	3WL1240....	628275.-	797710.-	498245.-	675095.-
III	5000	3WL1350....	987365.-	1252735.-	881425.-	1157015.-
	6300	3WL1363....	1327415.-	1668065.-	1150700.-	1517325.-

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	17275.-
Protection function LSIN with Current display	7495.-
Protection function LSING with Current display	24765.-

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	63475.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	63475.-

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 and auxiliary contacts 2NO+ 2NC, trip unit transparent cover & trip signal switch (Not applicable for ACBs without trip unit).

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

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	5475.-
Door Interlock	4645.-
Position Signal Switch for Withdrawable Breaker	12010.-
Castell lock mounting kit*	3910.-
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

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

## Accessories

Description	AC 50/60Hz V	DC V	Type	Unit MRP <sup>5</sup> ₹
Shunt Release or Closing Coil Suitable for continuous operation	—	24	3WL9111-0AD01-0AA0	10510.-
	110	110	3WL9111-0AD05-0AA0	10510.-
	230	220	3WL9111-0AD06-0AA0	10510.-
Under Voltage Release (Instantaneous)	380-415	—	3WL9111-0AE06-0AA0	11615.-
Motorised Operating Mechanism	—	24-30	3WL9111-0AF01-0AA0	58115.-
	110-127	110-125	3WL9111-0AF03-0AA0	58115.-
	208-240	220-250	3WL9111-0AF04-0AA0	58115.-
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0	6160.-
Castell Lock	—	—	3WX3663-6JEL_ <sup>5</sup>	3325.-

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

\$ MRP - Maximum Retail Price



**SIEMENS**

*Ingenuity for life*



# SENTRON 3WT Air Circuit Breakers

**For Consistent, Safe and Reliable Power  
Distribution**

- Wide range with 630A-4000A current ratings
- 3P & 4P, Fixed & Withdrawable versions
- Rated operational voltage of 500V AC, 690V AC versions also available
- Terminal options: Horizontal, vertical and front connection
- Superior thermal ratings (no derating till 50°C)
- Standard Ready-to-close indicator with signaling switch
- Microprocessor based trip units with integrated current display

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# ACB: 3WT

- Conforms to IEC 60947-2
- Rated current - 630A to 4000A
- $U_{imp} = 12kV$
- Accurate protection through microprocessor based trip unit
- Unique ready-to-close interlock for maximum safety
- Mechanical contact erosion indicator
- Fully rated upto 50°C
- Neutral 100% rated
- Integrated LCD display and Online test facility
- Also available for 690V AC operation



## 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	181690.-	3WT8065-6AA04-5AB2	236205.-	
		EDO	3WT8061-6UA34-5AB2	235010.-	3WT8065-6UA34-5AB2	289525.-	
	● 800	MDO	3WT8081-6AA04-5AB2	191750.-	3WT8085-6AA04-5AB2	251015.-	
		EDO	3WT8081-6UA34-5AB2	245070.-	3WT8085-6UA34-5AB2	304335.-	
	1000	MDO	3WT8101-6AA04-5AB2	196950.-	3WT8105-6AA04-5AB2	255485.-	
		EDO	3WT8101-6UA34-5AB2	250270.-	3WT8105-6UA34-5AB2	308805.-	
	● 1250	MDO	3WT8121-6AA04-5AB2	241920.-	3WT8125-6AA04-5AB2	287590.-	
		EDO	3WT8121-6UA34-5AB2	295240.-	3WT8125-6UA34-5AB2	340910.-	
	● 1600	MDO	3WT8161-6AA04-5AB2	259640.-	3WT8165-6AA04-5AB2	314310.-	
		EDO	3WT8161-6UA34-5AB2	312960.-	3WT8165-6UA34-5AB2	367630.-	
	II	● 2000	MDO	3WT8202-6AA04-5AB2	326230.-	3WT8206-6AA04-5AB2	401505.-
			EDO	3WT8202-6UA34-5AB2	379550.-	3WT8206-6UA34-5AB2	454825.-
● 2500		MDO	3WT8252-6AA04-5AB2	369520.-	3WT8256-6AA04-5AB2	469785.-	
		EDO	3WT8252-6UA34-5AB2	422840.-	3WT8256-6UA34-5AB2	523105.-	
● 3200		MDO	3WT8322-6AA04-5AB2	473745.-	3WT8326-6AA04-5AB2	581290.-	
		EDO	3WT8322-6UA34-5AB2	527065.-	3WT8326-6UA34-5AB2	634610.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2255.-



Reduce

2255.-

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	133515.-	3WT8065-6AA00-0AA2	180640.-	
		EF	3WT8061-6UA30-0AA2	186835.-	3WT8065-6UA30-0AA2	233960.-	
	● 800	MF	3WT8081-6AA00-0AA2	144125.-	3WT8085-6AA00-0AA2	198310.-	
		EF	3WT8081-6UA30-0AA2	197445.-	3WT8085-6UA30-0AA2	251630.-	
	1000	MF	3WT8101-6AA00-0AA2	146915.-	3WT8105-6AA00-0AA2	210070.-	
		EF	3WT8101-6UA30-0AA2	200235.-	3WT8105-6UA30-0AA2	263390.-	
	● 1250	MF	3WT8121-6AA00-0AA2	199835.-	3WT8125-6AA00-0AA2	236315.-	
		EF	3WT8121-6UA30-0AA2	253155.-	3WT8125-6UA30-0AA2	289635.-	
	● 1600	MF	3WT8161-6AA00-0AA2	204050.-	3WT8165-6AA00-0AA2	253130.-	
		EF	3WT8161-6UA30-0AA2	257370.-	3WT8165-6UA30-0AA2	306450.-	
	II	● 2000	MF	3WT8202-6AA00-0AA2	229485.-	3WT8206-6AA00-0AA2	329420.-
			EF	3WT8202-6UA30-0AA2	282805.-	3WT8206-6UA30-0AA2	382740.-
● 2500		MF	3WT8252-6AA00-0AA2	259030.-	3WT8256-6AA00-0AA2	386770.-	
		EF	3WT8252-6UA30-0AA2	312350.-	3WT8256-6UA30-0AA2	440090.-	
● 3200		MF	3WT8322-6AA00-0AA2	394395.-	3WT8326-6AA00-0AA2	485710.-	
		EF	3WT8322-6UA30-0AA2	447715.-	3WT8326-6UA30-0AA2	539030.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2255.-



Reduce

2255.-

For Non-Automatic ACBs please deduct ₹ 5125/- 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 - ₹ 24150/-

Std. Pkg. = 1 unit

\* LP - List Price

## 3WT Accessories

Description	AC 50/60Hz V	DC V	Type	Unit MRP ₹	
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00	56155.-	
	220-240	220-250	3WT9831-1JK00	56155.-	
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WT9851-1JB00	3970.-	
	110-127	110-125	3WT9851-1JH00	3970.-	
Under Voltage Release Instantaneous	220-240	220-250	3WT9851-1JK00	3970.-	
	110-127	110-125	3WT9853-1JH00	5000.-	
	208-240	220-250	3WT9853-1JK00	5000.-	
Auxiliary Terminal Block	380-415	-	3WT9853-1JM00	5000.-	
	Fixed circuit breaker		3WT9825-1JC00	3505.-	
	Drawout circuit breaker		3WT9827-1JA00	3505.-	
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	1990.-	
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	7990.-	
5 digit operating cycle counter				3WT9864-0CA00	8150.-
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	5770.-
				3WT9867-2JA00	5770.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)				3WT9863-6JE00	5675.-
Castell Lock				3WX3663-6JEL_#	3325.-
Door Sealing Frame (Also suitable for 3WL ACB)				3WX3686-0JA00	2115.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I			3WL9111-0AA21-0AA0	16515.-
	Size II			3WL9111-0AA22-0AA0	19190.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I			3WL9111-0AA31-0AA0	18120.-
	Size II			3WL9111-0AA32-0AA0	20800.-

\* 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.



## 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)

## SENTRON Auto transfer controllers

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

ATC 3100		ATC 5300	
	Rated supply voltage up to 400V AC		Rated supply voltage up to 690V AC
	Trafo to Trafo and Trafo to generator configurations		Trafo to Trafo, Trafo to generator and generator to generator configurations
	Generator control with output signal to start and stop generator		Communication capable on Modbus RTU
	Selectable operating modes and monitoring of fire alarm signal		Dedicated software for Parameterization and remote control
	Monitoring and display of status of normal and replacement supply		Energy cost control function (EJP function) and programmable I/Os & generator-testing facility

Description	Type	Unit LP* ₹	Std. pkg. (nos.)
ATC 3100 <sup>5</sup>	3KC9000-8EL10	50980.-	1
Connection cable 3KC ATC3100 to MCCBs / ACBs	3KC9000-8EL62	10305.-	1
ATC 5300	3KC9-000-8TL30	80755.-	1
SENTRON SOFTWARE ATC (For ATC5300)	3KC9-000-8TL70	58350.-	1

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

Std. Pkg. = 1 unit

\* LP - List Price      MRP - Maximum Retail Price

# SIEMENS

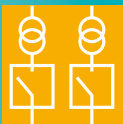
*Ingenuity for life*



## 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

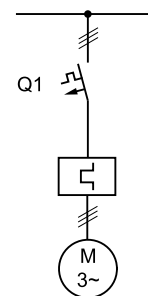
Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP* ₹	Type	Unit MRP* ₹	
40	3VT1704-2DA36-0AA0	7175.-	3VT1704-2EA46-0AA0	9690.-	1
63	3VT1706-2DA36-0AA0	7175.-	3VT1706-2EA46-0AA0	9690.-	1
80	3VT1708-2DA36-0AA0	7175.-	3VT1708-2EA46-0AA0	9690.-	1
100	3VT1710-2DA36-0AA0	7175.-	3VT1710-2EA46-0AA0	9690.-	1
125	3VT1712-2DA36-0AA0	9495.-	3VT1712-2EA46-0AA0	13135.-	1
160	3VT1716-2DA36-0AA0	12975.-	3VT1716-2EA46-0AA0	16425.-	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* ₹	Type	Unit MRP* ₹	
16	3VT1701-2DC36-0AA0	7875.-	3VT1701-2EC46-0AA0	11885.-	1
25	3VT1792-2DC36-0AA0	7875.-	3VT1792-2EC46-0AA0	11885.-	1
32	3VT1703-2DC36-0AA0	7875.-	3VT1703-2EC46-0AA0	11885.-	1
40	3VT1704-2DC36-0AA0	7875.-	3VT1704-2EC46-0AA0	11885.-	1
63	3VT1706-2DC36-0AA0	7875.-	3VT1706-2EC46-0AA0	11885.-	1
80	3VT1708-2DC36-0AA0	7875.-	3VT1708-2EC46-0AA0	11885.-	1
100	3VT1710-2DC36-0AA0	7875.-	3VT1710-2EC46-0AA0	11885.-	1
125	3VT1712-2DC36-0AA0	10175.-	3VT1712-2EC46-0AA0	13915.-	1
160	3VT1716-2DC36-0AA0	14000.-	3VT1716-2EC46-0AA0	17820.-	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* ₹	Std. pkg. (nos.)
16	3VT1701-2DM36-0AA0	7755.-	1
20	3VT1702-2DM36-0AA0	7755.-	1
25	3VT1792-2DM36-0AA0	7755.-	1
32	3VT1703-2DM36-0AA0	7755.-	1
40	3VT1704-2DM36-0AA0	7755.-	1
50	3VT1705-2DM36-0AA0	7755.-	1
63	3VT1706-2DM36-0AA0	7755.-	1
80	3VT1708-2DM36-0AA0	7755.-	1
100	3VT1710-2DM36-0AA0	7755.-	1



## Switch disconnecter

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP* ₹	Type	Unit MRP* ₹	
160	3VT1716-2DE36-0AA0	11010.-	3VT1716-2EE46-0AA0	13870.-	1

Std. Pkg. = 1 unit

\* MRP - Maximum 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	7625.-	3VT2725-2AA46-0AA0	11855.-	1
3VT3		630	3VT3763-2AA36-0AA0	18625.-	3VT3763-2AA46-0AA0	26240.-	1
3VT2	65 kA	250	3VT2725-3AA36-0AA0	9525.-	3VT2725-3AA46-0AA0	14780.-	1
3VT3		630	3VT3763-3AA36-0AA0	21345.-	3VT3763-3AA46-0AA0	28330.-	1
3VT4		1000	3VT4710-3AA30-0AA0	34150.-			1
3VT5	55 kA	1600	3VT5716-3AA30-0AA0	51230.-			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	6645.-	1
	200	3VT9220-6AB00	9965.-	1
	250	3VT9225-6AB00	15785.-	1
3VT3	315	3VT9331-6AB00	13295.-	1
	400	3VT9340-6AB00	14125.-	1
	630	3VT9363-6AB00	19105.-	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	7900.-	1
	160	3VT9216-6AP00	8310.-	1
	250	3VT9225-6AP00	17445.-	1
3VT3	400	3VT9340-6AP00	17445.-	1
	630	3VT9363-6AP00	21605.-	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	5865.-	1
	160	3VT9216-6AC00	8230.-	1
	250	3VT9225-6AC00	17405.-	1
3VT3	250	3VT9325-6AC00	15030.-	1
	400	3VT9340-6AC00	15030.-	1
	630	3VT9363-6AC00	19775.-	1
3VT4	800	3VT9480-6AC00	16460.-	1
	1000	3VT9410-6AC00	51840.-	1
3VT5	1250	3VT9512-6AC00	56150.-	1
	1600	3VT9516-6AC00	95020.-	1

Switch Disconnecter 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	4160.-	1
3VT3	630	3VT9363-6DT00	6645.-	1
3VT4	1000	3VT9410-6DT00	23560.-	1
3VT5	1600	3VT9516-6DT00	31420.-	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 MRP* ₹	3VT2 Type	Unit MRP* ₹	3VT3 Type	Unit MRP* ₹	3VT4/5 Type	Unit MRP* ₹	
Auxiliary Switch 	3VT9100-2AB10 (Changeover Switch)	1210.-	3VT9300-2AF10 (1NO+1NC)	1875.-	3VT9300-2AF10 (1NO+1NC)	1875.-	3VT9500-2AF10 (2NO+2NC)	3110.-	
			3VT9300-2AC10 (1NO)	940.-	3VT9300-2AC10 (1NO)	940.-			
Alarm Switch 	3VT9100-2AH10 (Changeover Switch)	1210.-	3VT9300-2AD10 (1NC)	940.-	3VT9300-2AD10 (1NC)	940.-			
Shunt Release 	AC 230V/ DC 220V	3VT9100-1SE00@	1640.-	3VT9300-1SE00\$	2120.-	3VT9300-1SE00\$	2120.-	3VT9500-1SJ00	2345.-
	AC/DC 110V	3VT9100-1SD00	1640.-	3VT9300-1SD00	2120.-	3VT9300-1SD00	2120.-	3VT9500-1SH00	2345.-
Under-voltage Release 	AC 230V/ DC 220V	3VT9100-1UE00^	2015.-	3VT9300-1UE00\$	2575.-	3VT9300-1UE00\$	2575.-	3VT9500-1UJ00	2545.-
Spreader Links <sup>8</sup> 	one set = 3 links (3 pole)	3VT9100-4ED30	560.-	3VT9200-4ED30-ORCO	710.-	3VT9300-4ED30-ORCO	950.-		
	4 pole spreaders (one set = 4 links + 3 phase barriers) 	3VT9100-4ED40-ORCO	725.-	3VT9200-4ED40-ORCO	940.-	3VT9300-4ED40-ORCO	1230.-		
Motorised Drive 	AC 230 V/ DC 220 V	3VT9100-3ME00#	7135.-	3VT9200-3MQ00	23350.-	3VT9300-3MQ00	24260.-	3VT9500-3MQ00	45490.-
	Extension cable <sup>3</sup> for motorized operating mechanism, 12 wires, length 60 cm	3VT9100-3MF00	1340.-	3VT9300-3MF00	1340.-	3VT9300-3MF00	1340.-		
Phase Barriers 	One set = 2 Pcs.	3VT9100-8CE30	505.-	3VT9300-8CE30	710.-	3VT9300-8CE30	710.-	3VT9500-8CE30	775.-
Panel door mounted rotary operating handles <sup>2</sup> 	1 set **	3VT9100-3HQ00	1605.-	3VT9200-3HQ00	2030.-	3VT9300-3HQ00	2190.-	3VT9500-3HQ00	4660.-
Castell Interlock Kit <sup>1</sup>	1 set (1 lock + 1 key)	8UC60700YQ..	3665.-	8UC60701YQ..	3665.-	8UC60701YQ..	3665.-	8UC60702YQ..	3760.-

Description	Type	Unit LP* ₹	
Earth fault monitoring relay  <ul style="list-style-type: none"> <li>Auxiliary voltage: 85-270V AC/DC</li> <li>Change over contact: 2C/O</li> <li>Width: 35mm module</li> </ul>	7UG0861-1BU20	4000.-	
CBCT for EFR: 160 frame	3P	7UG09910	1400.-
Suitable for 3VT1	4P	7UG09911	1600.-
CBCT for EFR: 250 frame	3P	7UG09912	1700.-
Suitable for 3VT2	4P	7UG09913	2000.-
CBCT for EFR: 630 frame	3P	7UG09914	2500.-
Suitable for 3VT3	4P	7UG09915	2700.-

Note: Order 1 no of shunt trip release for MCCB separately along with earth fault 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 A0, 0B, 0C, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.
- For direct & lateral mounted handles please contact your nearest Sales Office.
- 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

\* MRP - Maximum Retail Price

A large, industrial-grade Siemens SIVACON switchboard is shown against a light blue background. The switchboard is a tall, grey metal cabinet with multiple compartments. The top of the cabinet has a black roof-like structure. The front panel is white with various components, including circuit breakers, switches, and a digital display. The word "SIVACON" is printed vertically on the left side of the cabinet. The Siemens logo is visible on the top of the cabinet. The overall appearance is professional and technical.

**SIEMENS**

*Ingenuity for life*

SIVACON

## When it comes to safety its SIVACON

SIVACON S8- the superior safety switchboard

The SIVACON S8 low-voltage power distribution switchboard sets new standards in 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.

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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	10285.-	3VL1796-1EH46-0AA0	13425.-	1
	20	3VL1702-1DA36-0AA0	10285.-	3VL1702-1EH46-0AA0	13425.-	1
	32	3VL1703-1DA36-0AA0	10285.-	3VL1703-1EH46-0AA0	13425.-	1
	63	3VL1706-1DA36-0AA0	10285.-	3VL1706-1EH46-0AA0	13425.-	1
	100	3VL1710-1DA36-0AA0	10760.-	3VL1710-1EH46-0AA0	14030.-	1
	125	3VL1712-1DA36-0AA0	15130.-	3VL1712-1EH46-0AA0	17700.-	1
	160	3VL1716-1DA36-0AA0	18840.-	3VL1716-1EH46-0AA0	22405.-	1

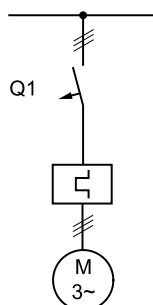
## 3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

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	14695.-	3VL1702-1EA46-0AA0#	19590.-	1
	32	3VL1703-1DD36-0AA0	14695.-	3VL1703-1EA46-0AA0#	19590.-	1
	63	3VL1706-1DD36-0AA0	14695.-	3VL2706-1EM46-0AA0	19590.-	1
	100	3VL1710-1DD36-0AA0	15365.-	3VL2710-1EM46-0AA0	20490.-	1
	125	3VL1712-1DD36-0AA0	17555.-	3VL2712-1EM46-0AA0	22315.-	1
	160	3VL1716-1DD36-0AA0	22045.-	3VL2716-1EM46-0AA0	28855.-	1
VL 250	200	3VL3720-1DC36-0AA0	30790.-	3VL3720-1EM46-0AA0	42960.-	1
	250	3VL3725-1DC36-0AA0	33400.-	3VL3725-1EM46-0AA0	42960.-	1
VL 400	315	3VL4731-1DC36-0AA0	44105.-	3VL4731-1EM46-0AA0	53825.-	1
	400	3VL4740-1DC36-0AA0	44105.-	3VL4740-1EM46-0AA0	53825.-	1
VL 630	500	3VL5750-1DC36-0AA0	50485.-	3VL5750-1EM46-0AA0	60025.-	1
	630	3VL5763-1DC36-0AA0	50485.-	3VL5763-1EM46-0AA0	60025.-	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	23525.-	3VL1702-2EA46-0AA0#	30015.-	1
	32	3VL1703-2DD36-0AA0	23525.-	3VL1703-2EA46-0AA0#	30015.-	1
	63	3VL1706-2DD36-0AA0	23525.-	3VL2706-2EM46-0AA0	30015.-	1
	100	3VL1710-2DD36-0AA0	23525.-	3VL2710-2EM46-0AA0	30015.-	1
	125	3VL1712-2DD36-0AA0	33530.-	3VL2712-2EM46-0AA0	43670.-	1
	160	3VL1716-2DD36-0AA0	34990.-	3VL2716-2EM46-0AA0	44855.-	1
VL 250	200	3VL3720-2DC36-0AA0	37930.-	3VL3720-2EM46-0AA0	51600.-	1
	250	3VL3725-2DC36-0AA0	41280.-	3VL3725-2EM46-0AA0	51600.-	1
VL 400	315	3VL4731-2DC36-0AA0	44320.-	3VL4731-2EM46-0AA0	57615.-	1
	400	3VL4740-2DC36-0AA0	44320.-	3VL4740-2EM46-0AA0	57615.-	1
VL 630	500	3VL5750-2DC36-0AA0	55480.-	3VL5750-2EM46-0AA0	72695.-	1
	630	3VL5763-2DC36-0AA0	55480.-	3VL5763-2EM46-0AA0	72695.-	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	17740.-	3VL2706-2DK36-0AA0	22115.-	1
	100 A	3VL2710-1DK36-0AA0	17740.-	3VL2710-2DK36-0AA0	22115.-	1
	160 A	3VL2716-1DK36-0AA0	26735.-	3VL2716-2DK36-0AA0	34295.-	1
VL250	250 A	3VL3725-1DK36-0AA0	35955.-	3VL3725-2DK36-0AA0	40815.-	1
VL400	315 A	3VL4731-1DK36-0AA0	42175.-	3VL4731-2DK36-0AA0	44010.-	1
VL630	500 A	3VL5750-1DK36-0AA0	48570.-	3VL5750-2DK36-0AA0	50740.-	1

# Fixed overload & fixed short circuit with neutral protection

Std. Pkg. = 1 unit

Note: While ordering suffix "Z+H32" with MCCB MLFB for Frames VL160X to VL400 for all release types except ETU42 release.

\* 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	27165.-	3VL2706-1TA46-0AA0	35430.-	1
	100	3VL2710-1SB36-0AA0	27165.-	3VL2710-1TA46-0AA0	35430.-	1
	160	3VL2716-1SB36-0AA0	34485.-	3VL2716-1TA46-0AA0	47595.-	1
VL 250	200	3VL3720-1SB36-0AA0	45900.-	3VL3720-1TA46-0AA0	58935.-	1
	250	3VL3725-1SB36-0AA0	45900.-	3VL3725-1TA46-0AA0	58935.-	1
VL 400	315	3VL4731-1SB36-0AA0	49725.-	3VL4731-1TA46-0AA0	65820.-	1
	400	3VL4740-1SB36-0AA0	49725.-	3VL4740-1TA46-0AA0	65820.-	1
VL 630	630	3VL5763-1SB36-0AA0	55885.-	3VL5763-1TA46-0AA0	88475.-	1
VL 800	800	3VL6780-1SB36-0AA0	78670.-	3VL6780-1TA46-0AA0	112025.-	1
VL 1250	1000	3VL7710-1SB36-0AA0	107745.-	3VL7710-1TA46-0AA0	165420.-	1
	1250	3VL7712-1SB36-0AA0	138235.-	3VL7712-1TA46-0AA0	212130.-	1
VL 1600	1600	3VL8716-1SB30-0AA0	183520.-	3VL8716-1TA40-0AA0	249060.-	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	32595.-	3VL2706-2TA46-0AA0	40385.-	1
	100	3VL2710-2SB36-0AA0	32595.-	3VL2710-2TA46-0AA0	40385.-	1
	160	3VL2716-2SB36-0AA0	42745.-	3VL2716-2TA46-0AA0	54560.-	1
VL 250	200	3VL3720-2SB36-0AA0	47470.-	3VL3720-2TA46-0AA0	69130.-	1
	250	3VL3725-2SB36-0AA0	47470.-	3VL3725-2TA46-0AA0	69130.-	1
VL 400	315	3VL4731-2SB36-0AA0	52065.-	3VL4731-2TA46-0AA0	79355.-	1
	400	3VL4740-2SB36-0AA0	52065.-	3VL4740-2TA46-0AA0	79355.-	1
VL 630	630	3VL5763-2SB36-0AA0	61885.-	3VL5763-2TA46-0AA0	98510.-	1
VL 800	800	3VL6780-2SB36-0AA0	93435.-	3VL6780-2TA46-0AA0	122745.-	1
VL 1250	1000	3VL7710-2SB36-0AA0	143015.-	3VL7710-2TA46-0AA0	210930.-	1
	1250	3VL7712-2SB36-0AA0	169220.-	3VL7712-2TA46-0AA0	237150.-	1
VL 1600	1600	3VL8716-2SB30-0AA0	204985.-	3VL8716-2TA40-0AA0	263375.-	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	32800.-	3VL2706-1TN46-0AA0	41615.-	1
	100	3VL2710-1SL36-0AA0	32800.-	3VL2710-1TN46-0AA0	41615.-	1
	160	3VL2716-1SL36-0AA0	40400.-	3VL2716-1TN46-0AA0	54225.-	1
VL 250	200	3VL3720-1SL36-0AA0	55700.-	3VL3720-1TN46-0AA0	69755.-	1
	250	3VL3725-1SL36-0AA0	55700.-	3VL3725-1TN46-0AA0	69755.-	1
VL 400	315	3VL4731-1SL36-0AA0	60100.-	3VL4731-1TN46-0AA0	78385.-	1
	400	3VL4740-1SL36-0AA0	60100.-	3VL4740-1TN46-0AA0	78385.-	1
VL 630	630	3VL5763-1SL36-0AA0	65240.-	3VL5763-1TN46-0AA0	97230.-	1
VL 800	800	3VL6780-1SL36-0AA0	89315.-	3VL6780-1TN46-0AA0	122150.-	1
VL 1250	1000	3VL7710-1SL36-0AA0	118180.-	3VL7710-1TN46-0AA0	175815.-	1
	1250	3VL7712-1SL36-0AA0	147575.-	3VL7712-1TN46-0AA0	220830.-	1
VL 1600	1600	3VL8716-1SL30-0AA0	191215.-	3VL8716-1TN40-0AA0	256430.-	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	38440.-	3VL2706-2TN46-0AA0	46750.-	1
	100	3VL2710-2SL36-0AA0	38440.-	3VL2710-2TN46-0AA0	46750.-	1
	160	3VL2716-2SL36-0AA0	48980.-	3VL2716-2TN46-0AA0	61480.-	1
VL 250	200	3VL3720-2SL36-0AA0	57345.-	3VL3720-2TN46-0AA0	80465.-	1
	250	3VL3725-2SL36-0AA0	57345.-	3VL3725-2TN46-0AA0	80465.-	1
VL 400	315	3VL4731-2SL36-0AA0	63885.-	3VL4731-2TN46-0AA0	92080.-	1
	400	3VL4740-2SL36-0AA0	63885.-	3VL4740-2TN46-0AA0	92080.-	1
VL 630	630	3VL5763-2SL36-0AA0	71025.-	3VL5763-2TN46-0AA0	106915.-	1
VL 800	800	3VL6780-2SL36-0AA0	103555.-	3VL6780-2TN46-0AA0	132480.-	1
VL 1250	1000	3VL7710-2SL36-0AA0	152165.-	3VL7710-2TN46-0AA0	220340.-	1
	1250	3VL7712-2SL36-0AA0	177420.-	3VL7712-2TN46-0AA0	244950.-	1
VL 1600	1600	3VL8716-2SL30-0AA0	211870.-	3VL8716-2TN40-0AA0	270195.-	1

L: Overload protection      I: Short circuit protection      G: Ground fault protection

Std. Pkg. = 1 unit

Note: While ordering suffix "Z+H32" with MCCB MLFB for Frames VL160X to VL400 for all release types except ETU42 release.

\* 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	35970.-	3VL4740-1EE46-0AA0	44010.-	1
VL630	630	3VL5763-1DE36-0AA0	40260.-	3VL5763-1EE46-0AA0	46740.-	1
VL800	800	3VL6780-1DE36-0AA0	64050.-	3VL6780-1EE46-0AA0	76875.-	1
VL1250	1250	3VL7712-1DE36-0AA0	106785.-	3VL7712-1EE46-0AA0	162560.-	1
VL1600	1600	3VL8716-1DE30-0AA0	170860.-	3VL8716-1EE40-0AA0	216160.-	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	40770.-	3VL4740-2EE46-0AA0	49310.-	1
VL630	630	3VL5763-2DE36-0AA0	46595.-	3VL5763-2EE46-0AA0	57210.-	1
VL800	800	3VL6780-2DE36-0AA0	77015.-	3VL6780-2EE46-0AA0	102775.-	1
VL1250	1250	3VL7712-2DE36-0AA0	139385.-	3VL7712-2EE46-0AA0	173455.-	1
VL1600	1600	3VL8716-2DE30-0AA0	176680.-	3VL8716-2EE40-0AA0	222635.-	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 MRP* ₹	Type	
Auxiliary switch	3VL9400-2AB00 (1NO + 1NC)	1680.-	3VL9800-2AC00 (2NO + 2NC)	3085.-	1
Auxiliary switch + Alarm switch	3VL9400-2AD00 (1NO + 1NC & 1NO)	2585.-	3VL9800-2AE00 (1NO + 1NC & 1NO)	3585.-	1
Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC	3VL9400-1UG00	3960.-	3VL9800-1UG00	4690.-	1
	3VL9400-1UH00	3960.-	3VL9800-1UH00	4690.-	1
	3VL9400-1UJ00	3960.-	3VL9800-1UJ00	4690.-	1
	3VL9400-1UR00	3960.-	3VL9800-1UR00	4690.-	1
Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC	3VL9400-1SC00	2980.-	3VL9800-1SC00	3965.-	1
	3VL9400-1SK00	2980.-	3VL9800-1SK00	3965.-	1
	3VL9400-1SR00	2980.-	3VL9800-1SR00	3965.-	1
	3VL9400-1ST00	2980.-	3VL9800-1ST00	3965.-	1
	Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility)	3VL9.00-3HQ00		3VL9600-3HQ00 (VL630-VL800)	3885.-
	1 (For VL 160X)	2375.-			
	3 (For VL 160/250)	2405.-	3VL9800-3HF05 (VL1250-VL1600)	8830.-	1
	4 (For VL 400)	3210.-			
Castell interlock kit* (To interlock two or more circuit breakers)	8UC6070-1YQ.. (For VL160X/VL160/VL250)	3665.-	8UC6070-2YQ.. (For VL630/VL800)	3760.-	1
	8UC6070-2YQ.. (For VL400)	3760.-			
Motorised drive (Motorised operator-MO) 230-250V AC/DC	3VL9.00-3ME10		Factory fitted assembly with MCCB for VL630/800 with Z option Z-M23 (MCCB prices additional)	24685.-	1
	1 (For VL160X)	17155.-			
	3 (For VL160/250)	18525.-			
Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC	3VL9.00-3MQ00		3VL9.00-3MQ00		
	3 (For VL160X/VL160/VL250)	28505.-	6 (For VL630-VL800)	48190.-	1
	4 (For VL 400)	38345.-	8 (For VL1250-VL1600)	56580.-	1
Spreader links (with phase barriers)	3VL9216-4ED30 (VL160X/VL160-3P)	1105.-	3VL9500-4ED30 (VL630-3P)	1765.-	1
	3VL9216-4ED40 (VL160X/VL160-4P)	1350.-	3VL9500-4ED40 <sup>55</sup> (VL630-4P)	2150.-	1
	3VL9300-4ED30 (VL250-3P)	1470.-	3VL9600-4ED30 (VL800-3P)	2150.-	1
	3VL9300-4ED40 (VL250-4P)	1890.-	3VL9600-4ED40 <sup>55</sup> (VL800-4P)	2675.-	1
	3VL9400-4ED30 (VL400-3P)	1615.-	NA (for VL1250 / VL1600)		
	3VL9400-4ED40 (VL400-4P)	2030.-			

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

Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole and 5 nos. links and 3 nos. phase barriers in case of 4 pole, <sup>55</sup> - 4 nos. links and 3 nos. phase barriers in case of 4 pole.

While ordering suffix "Z+I32" with MCCB MLFB for Frames VL160X to VL400 for all release types except ETU42 release

NA - Not Available

Std. Pkg. = 1 unit

\* LP - List Price

MRP - Maximum Retail Price



**SIEMENS**

*Ingenuity for life*

## Energy is too important to take chances

**powermanager energy monitoring software**

'powermanager' supports 24x7 monitoring of power distribution system from a centralized location. With its controlling, analysis, recording and reporting functions it enhances the **operational efficiency, thereby improving productivity and profitability.**

#### Key Features:

- Single Line Diagram representation of power distribution network
- Monitoring and Controlling of circuit breakers from remote
- Analysis of energy consumption pattern, load trends, peaks
- Reporting of archived data
- Timely alerts and alarms on SCADA screen, e-mail, SMS

Contact [globalproducts.in@siemens.com](mailto:globalproducts.in@siemens.com) for FREE demo and software (60-day-trial).

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

# Energy Management System

## (A) Hardware Solutions

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



- High IP65 protection from front for usage in extremely wet and dusty environments
- Integrated Digital Inputs (DI) and Digital Outputs (DO)

#### 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

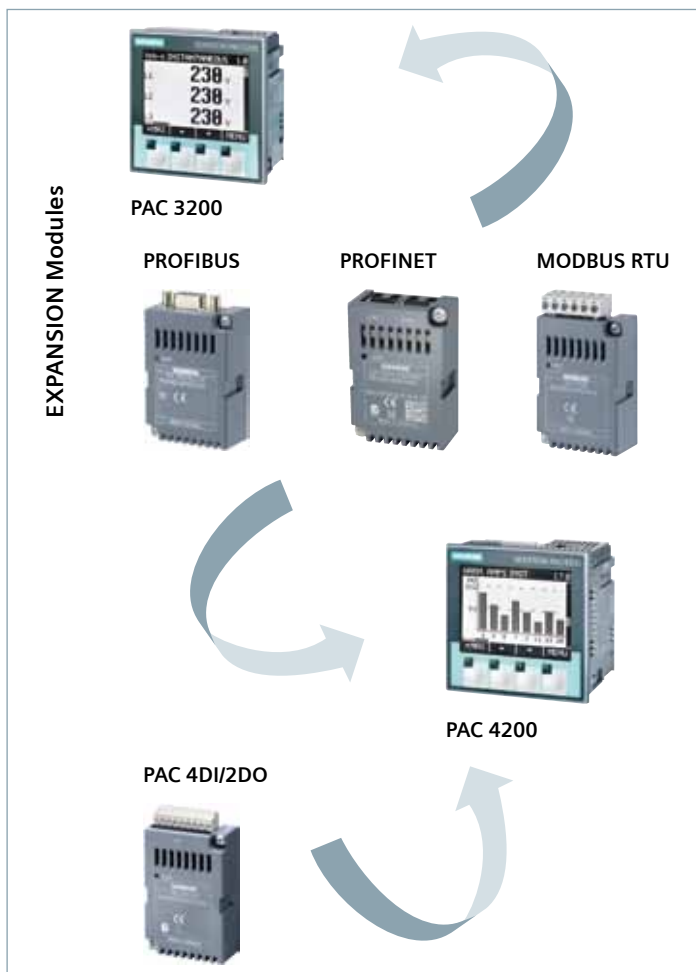
Description	Type	Unit LP* ₹
<b>PAC 3100</b> with integrated RS 485 port for MODBUS RTU Class 1 accuracy, screw terminals AC/DC wide voltage power supply 110...240V AC ±10%, 50/60Hz, 110...250V DC ±10%	7KM3133-0BA00-3AA0	24560.-
<b>PAC 3200</b> with integrated ethernet port for MODBUS TCP Class 0.5s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10%	7KM2112-0BA00-3AA0#	39775.-
<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#	Upon Enquiry

#### Expansion Modules (for PAC3200 and PAC4200)

Description	Type	Unit LP * ₹
PROFIBUS DP expansion module	7KM9300-0AB01-0AA0	10795.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	8530.-
Switched Ethernet PROFINET expansion module	7KM9300-0AE01-0AA0	Upon Enquiry
Digital Expansion Module 4DI/2DO <sup>§</sup>	7KM9200-0AB00-0AA0	Upon Enquiry

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

§ 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.



## (B) Software Solution

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

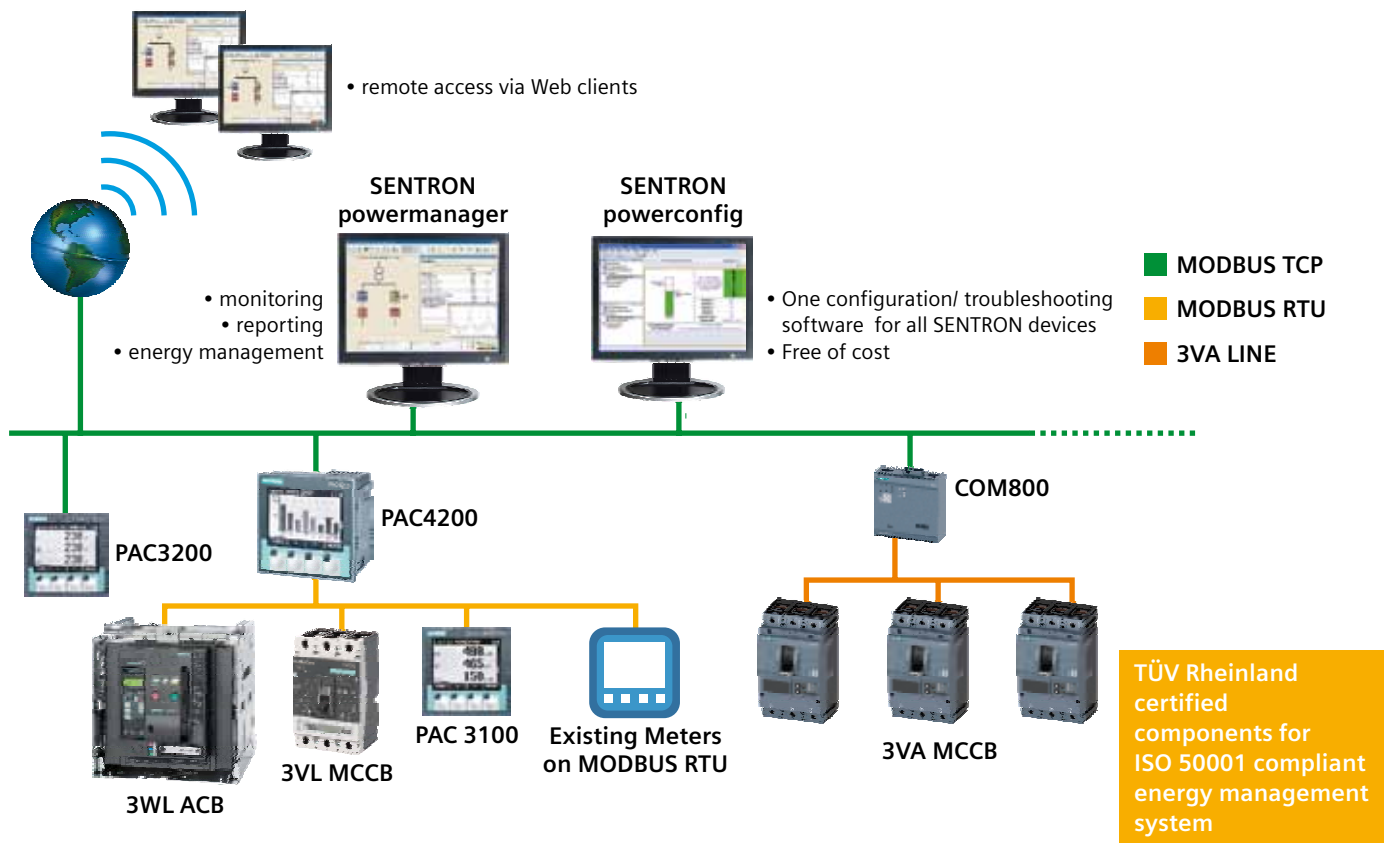
Std. Pkg. = 1 unit

\* 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.*

# SIEMENS

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SENTRON

## 3KC Transfer Switching Equipment up to 3200 A

Reliable power supply for your critical  
applications

- Conforms to IEC 60947-6-1 & 60947-3
- Transfer Switching Equipment up to 3200A
- Available in two variants  
RTSE (Remotely Operated)  
ATSE (Automatic with inbuilt controller)
- 3/4-pole version
- Wide range to accessories
- Maximum safety thanks to mechanical and electrical interlocking

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

# 3NP1 Fuse Switch Disconnecter up to 630A

- 160-630A in 3- pole versions
- Rated voltage of 690V AC/440V DC
- Suitable for floor & busbar mounting
- With mechanical & electronic fuse monitoring



## Application:

- Machine Protection
- Frequency Converter Protection
- Compensation Systems (Capacitor Panels)
- Distribution Boards and Switchboards

## Benefits:

- Cost and space savings thanks to the compact design
- Selection charts with semiconductor fuses in accordance with IEC 60269-2
- Direct connection of stripped conductors supports considerably faster mounting / installation
- Ease of mounting with direct bus bar mounting option
- Leading auxiliary switches with respect to main contacts available

### Floor mounting



Rated current (A)	Suitable for DIN fuse size	Connection	Type	Unit LP* ₹
100 <sup>1</sup>	000	Box terminal	3NP1123-1CA20	4665.-
160 160	00 / 000 00 / 000	Flat connector Box terminal	3NP1133-1CA10 3NP1133-1CA20	4860.- 5830.-
250 250	1 and 00 1 and 00	Flat connector Box terminal	3NP1143-1DA10 3NP1143-1DA20	14165.- 16670.-
400	2 and 1	Flat connector	3NP1153-1DA10	19455.-
630	3 and 2	Flat connector	3NP1163-1DA10	26150.-

### 40 mm busbar system

Rated current (A)	Suitable for DIN fuse size	Connection	Type	Unit LP* ₹
100 <sup>1</sup>	000	Box terminal	3NP1123-1BB20	6530.-
160 160	00 / 000 00 / 000	Flat connector Box terminal	3NP1133-1BB10 3NP1133-1BB20	7395.- 7875.-

### 60 mm busbar system

Rated current (A)	Suitable for DIN fuse size	Connection <sup>2)</sup>	Type	Unit LP* ₹
160	000/00	Flat terminals	3NP1133-1BC10	Upon enquiry
250	1 and 00	Flat terminals	3NP1143-1BC10	
400	2 and 1	Flat terminals	3NP1153-1BC10	
630	3 and 2	Flat terminals	3NP1163-1BC10	

### 3NP1 with in built mechanical fuse monitoring



Rated current (A)	Suitable for DIN fuse size	Connection	Type	Unit LP* ₹
160	000/00	Flat Terminals	3NP1133-1CA11	16680.-
250	1 and 00	Flat Terminals	3NP1143-1DA11	25375.-
400	2 and 1	Flat Terminals	3NP1153-1DA11	30350.-
630	3 and 2	Flat Terminals	3NP1163-1DA11	36765.-

### 3NP1 with electronic fuse monitoring



Rated current (A)	Suitable for DIN fuse size	Connection <sup>2)</sup>	Type	Unit LP* ₹
160	000/00	Flat terminals	3NP1133-1CA12	Upon enquiry
250	1 and 00	Flat terminals	3NP1143-1DA12	
400	2 and 1	Flat terminals	3NP1153-1DA12	
630	3 and 2	Flat terminals	3NP1163-1DA12	

### Auxillary Contact (1 C/O type)

Size	Type	Unit LP* ₹
000	3NP1920-1FA00	950.-
00	3NP1930-1FA00	950.-
1	3NP1940-1FA00	1035.-
2	3NP1940-1FA00	1035.-
3	3NP1940-1FA00	1035.-

1) Can be used for upto 160A in combination with feeder terminal 3NP1923-1BD00 (to be ordered seperately)

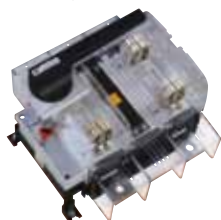
2) Box type terminal variants available

All MLFBs with standard package 1 unit

\* LP - List Price

# Superswitch 3KL/3KT/3KA

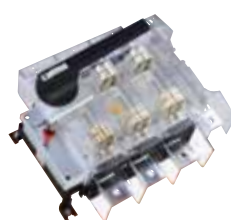
- Wide range : Upto 800A in SDF and 1600A in SDs
- Available in DP,TP,TPN & TPSN variants
- Suitable for isolation as per IS/IEC 60947
- Unique positive off indication
- Suitable for AC23 Duty
- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable 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	5540.-	1
125A	3KL8221-2TA00	7045.-	1
160A	3KL8231-2TA00	7320.-	1
200A	3KL8311-2UA00	9225.-	1
250A	3KL8321-2UA00	11065.-	1
315A	3KL8331-2UA00	14095.-	1
400A <sup>5</sup>	3KL8341-2UA00	16810.-	1
500A	3KL8411-2UA00	23140.-	1
630A	3KL8421-2UA00	27140.-	1
800A <sup>5</sup>	3KL8431-2UA00	31320.-	1

For 2 pole version of 3KT8 please contact our nearest Siemens Sales office

### Switch Disconnector fuse, 3KL8<sup>1)</sup>, 3 Pole, 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	2085.-	1
32A	3KL8121-1TA00	2115.-	1
63A	3KL8151-1TA00	3020.-	1
100A	3KL8211-1TA00	5910.-	1
125A	3KL8221-1TA00	7330.-	1
160A	3KL8231-1TA00	8265.-	1
200A	3KL8311-1UA00	11315.-	1
250A	3KL8321-1UA00	13430.-	1
315A	3KL8331-1UA00	16595.-	1
400A <sup>5</sup>	3KL8341-1UA00	19990.-	1
500A	3KL8411-1UA00	30710.-	1
630A	3KL8421-1UA00	32125.-	1
800A <sup>5</sup>	3KL8431-1UA00	34810.-	1

3KL8 TP SDFs: Unit MRP\*s are inclusive of front drive (Handle) kit and phase barriers

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

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	3KL8111-3TA00	2285.-	3KL8111-3TJ00	2220.-	3KL8111-3TC00	2255.-	1
32A	3KL8121-3TA00	2350.-	3KL8121-3TJ00	2295.-	3KL8121-3TC00	2325.-	1
63A	3KL8151-3TA00	3320.-	3KL8151-3TJ00	3205.-	3KL8151-3TC00	3235.-	1
100A	3KL8211-3TA00	6620.-	3KL8211-3TJ00	6495.-	-	-	1
125A	3KL8221-3TA00	8660.-	3KL8221-3TJ00	8545.-	-	-	1
160A	3KL8231-3TA00	9440.-	3KL8231-3TJ00	9320.-	-	-	1
200A	3KL8311-3UA00	12070.-	3KL8311-3UJ00	12185.-	-	-	1
250A	3KL8321-3UA00	14325.-	3KL8321-3UJ00	14445.-	-	-	1
315A	3KL8331-3UA00	17705.-	3KL8331-3UJ00	17825.-	-	-	1
400A <sup>5</sup>	3KL8341-3UA00	21335.-	3KL8341-3UJ00	21450.-	-	-	1
500A	3KL8411-3UA00	33070.-	3KL8411-3UJ00	33190.-	-	-	1
630A	3KL8421-3UA00	34290.-	3KL8421-3UJ00	34395.-	-	-	1
800A <sup>5</sup>	3KL8431-3UA00	37150.-	3KL8431-3UJ00	37270.-	-	-	1

### Switch Disconnector fuse, 3KL8<sup>1)</sup>, TPSN<sup>2) #)</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	12670.-	1
250A	3KL8321-4UA00	14760.-	1
315A	3KL8331-4UA00	18235.-	1
400A <sup>5</sup>	3KL8341-4UA00	21975.-	1
500A	3KL8411-4UA00	34065.-	1
630A	3KL8421-4UA00	35310.-	1
800A <sup>5</sup>	3KL8431-4UA00	38265.-	1

3KL8 TPN/TPSN SDFs: Unit MRP's are inclusive of front drive (Handle) kit, fuse cover, terminal cover / isolable neutral cover, and phase barriers.

# TPSN is 3 Pole with switched neutral

<sup>5</sup> Rating AC23A @ 550V, this can be utilised to AC23B @ 690V.

<sup>1)</sup> 3KL 8 is rated for 690V, 50Hz, AC23A Utilisation Category.

<sup>2)</sup> For ratings upto 160A, add on switched neutral kit to be used.

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/3KT/3KA

Factory fitted BS type SDFs in SS Enclosure now available



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

Rated current I <sub>n</sub> @ 690V AC, 50Hz	Suitable fuse type	Switch Disconnector Fuse	Unit MRP* ₹	Std. pkg. (nos.)
20A	DIN	3KL8111-3TA10	4780.-	1
	BS	3KL8111-3TJ10	4705.-	1
32A	DIN	3KL8121-3TA10	4915.-	1
	BS	3KL8121-3TJ10	4855.-	1
63A	DIN	3KL8151-3TA10	5835.-	1
	BS	3KL8151-3TJ10	5710.-	1
100A	DIN	3KL8211-3TA10	9600.-	1
	BS	3KL8211-3TJ10	9470.-	1
125A	DIN	3KL8221-3TA10	11390.-	1
	BS	3KL8221-3TJ10	11275.-	1
160A	DIN	3KL8231-3TA10	12215.-	1
	BS	3KL8231-3TJ10	12095.-	1
200A	DIN	3KL8311-3UA10	16115.-	1
	BS	3KL8311-3UJ10	16235.-	1
250A	DIN	3KL8321-3UA10	18445.-	1
	BS	3KL8321-3UJ10	18570.-	1
315A	DIN	3KL8331-3UA10	21940.-	1
	BS	3KL8331-3UJ10	22065.-	1
400A*	DIN	3KL8341-3UA10	25515.-	1
	BS	3KL8341-3UJ10	25630.-	1
500A	DIN	3KL8411-3UA10	38610.-	1
	BS	3KL8411-3UJ10	38735.-	1
630A	DIN	3KL8421-3UA10	41005.-	1
	BS	3KL8421-3UJ10	41120.-	1
800A*	DIN	3KL8431-3UA10	44020.-	1
	BS	3KL8431-3UJ10	44145.-	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	3480.-	1
100A	3KA8211-3TE00	5960.-	1
125A	3KA8221-3TE00	7440.-	1
160A	3KA8231-3TE00	7495.-	1
200A	3KA8311-3UE00	10105.-	1
250A	3KA8321-3UE00	12895.-	1
400A	3KA8341-3UE00	18995.-	1
630A	3KA8351-3UE00	27775.-	1
800A	3KA843□-3UE00	31065.-	1
1000A*	3KA844□-3UE00	37065.-	1
1250A*	3KA845□-3UE00	50345.-	1
1600A*	3KA846□-3UE00	64270.-	1

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



## Switch disconnector fuse: 3KT8<sup>s</sup> for power distribution (in Open Execution TPN)

Rated current I <sub>n</sub> @ 440V 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.)
32A	3KT8121-3TA00	2320.-	3KT8121-3TJ00	2260.-	3KT8121-3TC00	2300.-	1
50A	3KT8141-3TA00	2960.-	3KT8141-3TJ00	2845.-	3KT8141-3TC00	2725.-	1
80A	3KT8161-3TA00	5200.-	3KT8161-3TJ00	5085.-	-	-	1
100A	3KT8211-3TA00	6560.-	3KT8211-3TJ00	6450.-	-	-	1
125A	3KT8221-3TA00	8595.-	3KT8221-3TJ00	8475.-	-	-	1
160A	3KT8231-3TA00	9385.-	3KT8231-3TJ00	9265.-	-	-	1
200A	3KT8311-3UA00	11995.-	3KT8311-3UJ00	12110.-	-	-	1
250A	3KT8321-3UA00	14235.-	3KT8321-3UJ00	14350.-	-	-	1
315A	3KT8331-3UA00	17590.-	3KT8331-3UJ00	17710.-	-	-	1
400A	3KT8341-3UA00	21210.-	3KT8341-3UJ00	21325.-	-	-	1
500A	3KT8411-3UA00	32720.-	3KT8411-3UJ00	32835.-	-	-	1
630A	3KT8421-3UA00	34095.-	3KT8421-3UJ00	34210.-	-	-	1
800A	3KT8431-3UA00	36950.-	3KT8431-3UJ00	37070.-	-	-	1

## SS Enclosure for 3KT/3KL/3KA



Current rating	Type <sup>1)</sup>	Unit MRP* ₹	Std. pkg. (nos.)
20A- 80A	3KX8155-4AC	2280.-	1
100A-160A	3KX8235-4AC	2665.-	1
200A-400A	3KX8345-4AC	3550.-	1
500A-800A	3KX8435-4AC	5450.-	1

Please note: SDF/SD to be ordered separately.

Note:

1) SS Stands for Sheet Steel

Gland plates are note in the scope of supply

\$ 3KT8 is rated for 440V, 50Hz, AC22A Utilisation Category. Equivalent AC23A ratings also available.

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

@ rating AC21 at 500V, 50Hz

SDFs 3KT8: Unit MRPs\* inclusive of front drive (handle) kit and phase barriers

All SDF Unit MRPs are without fuses

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

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

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

## Accessories for Superswitch 3KT8/3KL8/3KA8

Description	3KT812/14/16 3KL811/12/15 3KA815	Unit MRP* ₹	3KT821/22/23 3KL821/22/23 3KA821/22/23	Unit MRP* ₹	3KT831/32/33/34 3KL831/32/33/34 3KA831/32/34/35	Unit MRP* ₹	3KT841/42/43 3KL841/42/43 3KA843/44/45/46	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	280.-	3KX8230-0AC	405.-	3KX8340-0AC	590.-	3KX8430-0AC	835.-	1
Terminal Cover (1 set)	-	-	3KX8231-0AC	340.-	3KX8341-0AC	655.-	3KX8431-0AC	760.-	1
Isolable Neutral cover	-	-	3KX8232-0AC	170.-	3KX8342-0AC	275.-	3KX8432-0AC	340.-	1
Phase Barrier <sup>§</sup>	3KX8153-0AC	120.-	3KX8233-0AC	120.-	3KX8343-0AC	165.-	3KX8433-0AC	220.-	1
Auxiliary Switch (1NO+1NC)	3SB5400-0A	160.-	3KX3522-1YC	520.-	3KX3552-1YC	625.-	3KX3582-1YC	760.-	1
Auxiliary Switch (2NO+2NC)	-	-	3KX3522-1YD	935.-	3KX3552-1YD	1355.-	3KX3582-1YD	1470.-	1
Auxiliary switch cover	3KX8154-0AC	55.-	3KX8234-0AC	55.-	-	-	-	-	1
Front Drive (Handle)	8UC616	695.-	8UC626	790.-	8UC6314-1BB00	1195.-	8UC6414-1BB00	1750.-	1
Operating shaft (300mm)	8UC6031	190.-	8UC6032	235.-	8UC6034	455.-	8UC6034	455.-	1
Add on Switched 4th Pole	3KX8155-5AC	1290.-	3KX3528-1YN	1345.-	-	-	-	-	1
Add on neutral link	3KX8125-7AC (3KL811/3KL812) (3KT812)	165.-	3KX8225-7AC (3KL821/822) (3KA821/822) (3KT821/3KT822)	170.-	3KX8345-7AC (3KL831/2/3/4) (3KA831/2/3/4) (3KT831/2/3/4)	460.-	3KX8435-7AC (3KL841/2/3) (3KT841/2/3) (3KA843/4/5/6)	720.-	1
	3KX8155-7AC (3KL815/3KA815) (3KT814/816)	165.-	3KX8235-7AC (3KL823) (3KA823) (3KT823)	215.-					1
Add-on Isolable neutral	3KX8125-6AC (3KL811/ 3KL812) (3KT812)	250.-	3KX8225-6AC (3KL821/822) (3KA821/822) (3KT821/3KT822)	360.-	3KX8315-6AC (3KL831) (3KA831) (3KT831)	660.-	3KX8425-6AC (3KL841/42) (3KT841/42) 3KA835	1040.-	1
					3KX8335-6AC (3KL832/3) (3KA832) (3KT832/3)	660.-	3KX8435-6AC (3KL843) (3KT843) (3KA843/4/5/6)	1290.-	1
	3KX8155-6AC (3KL815/3KA815) (3KT814/816)	250.-	3KX8235-6AC (3KL823) (3KA823) (3KT823)	400.-	3KX8345-6AC (3KL834)(3KA834) (3KT834)	850.-			1
Castell interlock <sup>1</sup>	8UC6070-0YQ..	3665.-	8UC6070-1YQ..	3665.-	8UC6070-2YQ..	3760.-	8UC6070-2YQ..	3760.-	1
Key interlock	-	-	-	-	3KX3588-1YP(.) <sup>#</sup>	1700.-	3KX3588-1YP(.) <sup>#</sup>	1700.-	1
Depth setting template	8UC6046	130.-	8UC6046	130.-	8UC6046	130.-	8UC6046	130.-	1
DIN Rail mounting kit	3KX8155-3AC	1390.-	-	-	-	-	-	-	1
Fuse Monitor	3VU1340-1MS00	3710.-	3VU1340-1MS00	3710.-	3VU1340-1MS00	3710.-	3VU1340-1MS00	3710.-	1
Adapter Plate to replace old 3KL with 3KL8	3KX8155-1AC	380.-	-	-	-	-	-	-	1
Fuse safety Barrier	3KX81501AC	85.-	3KX82301AC	120.-	-	-	-	-	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

## 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	3KL/ 3KT8121	00/000	3NA78	A2	TSA/TIA	14X51
50A	3KT8141	00/000	3NA78	A3	TIS/TSS	14X51
63A	3KL8151	00/000	3NA78	A3	TIS/TSS	14X51
80A	3KT8161	00/000	3NA78	A3	TSDS/TIS/TSS	-
100A	3KL/ 3KT8211	00/000	3NA78	A4	TCP	-
125A	3KL/ 3KT8221	00/000	3NA78	A4	TCP/TSFP	-
160A	3KL/ 3KT8231	00/000	3NA78	A4	TCP/TSFP	-
200A	3KL/ 3KT8311	1 - 2	3NA71, 72	B2	TSF/TF	-
250A	3KL/ 3KT8321	1 - 2	3NA71, 72	B2/B3/B4	TSF/TF/TKF/TSK	-
315A	3KL/ 3KT8331	1 - 2	3NA72	B2/B3/B4	TSF/TF/TKF/TSK	-
400A	3KL/ 3KT8341	1 - 2	3NA72	B2/B3/B4	TSF/TF/TKF/TSK/TMF	-
500A	3KL/ 3KT8411	3	3NA33	C1/C2	TTM	-
630A	3KL/ 3KT8421	3	3NA33	C1/C2	TTM	-
800A	3KL/ 3KT8431	3	3NA33	C1/C2	TSL	-

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

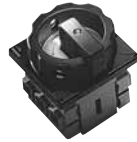
## Main control and EMERGENCY STOP switches 3LD<sup>1)</sup>

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



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

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



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2003-0TK5□	1990.-
	25	9.5	3LD2103-0TK5□	2200.-
	32	11.5	3LD2203-0TK5□	2455.-
	63	22	3LD2504-0TK5□	4200.-
	100	37	3LD2704-0TK5□	6365.-
	125	45	3LD2804-0TK5□	8110.-
	160	75	3LD2305-0TK1□	Upon enquiry
	250	132	3LD2405-0TK1□	Upon enquiry

□ - 1: Black OR  
□ - 3: Red/yellow

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

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



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2022-0TK1□	1775.-
	25	9.5	3LD2122-0TK1□	1950.-
	32	11.5	3LD2222-0TK1□	2360.-

□ - 1: Black OR  
□ - 3: Red/yellow

### Changeover switches with selector switch operating mechanism

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



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD2123-7UK01	4350.-
	32	11.5	3LD2223-7UK01	4760.-
	63	22	3LD2524-7UK01	7875.-
	100	37	3LD2724-7UK01	14645.-
	160	75	3LD2305-7UK01	Upon enquiry
	250	132	3LD2405-7UK01	Upon enquiry

### Main control and EMERGENCY-STOP switches

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



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2064-0TB5□	2830.-
	25	9.5	3LD2164-0TB5□	3075.-
	32	11.5	3LD2264-0TB5□	3650.-
	63	22	3LD2565-0TB5□	6040.-
	100	37	3LD2766-0TB5□	13730.-
	125	45	3LD2866-0TB5□	24855.-

□ - 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□	3175.-
	25	9.5	3LD2113-0TK5□	3530.-
	32	11.5	3LD2213-0TK5□	3895.-
	63	22	3LD2514-0TK5□	4670.-
	100	37	3LD2714-0TK5□	7675.-
	125	45	3LD2814-0TK5□	9590.-
	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

<sup>1)</sup> All MLFBs with standard package 1 unit

## Accessories for 3LD

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	875.-	1	
		3LD25	3LD9250-0BA	1285.-	1	
		3LD27 and 3LD28	3LD9280-0B	1600.-	1	
	N or PE terminal Continuous	3LD20	3LD9200-2B	585.-	1	
		3LD21 and 3LD22	3LD9220-2B	665.-	1	
		3LD25	3LD9250-2BA	880.-	1	
		3LD27 and 3LD28	3LD9280-2B	1075.-	1	
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5B	975.-	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	875.-	1
			3LD25	3LD9250-0CA	1285.-	1
3LD27 and 3LD28			3LD9280-0C	1600.-	1	
N or PE terminal Continuous		3LD20	3LD9200-2C	795.-	1	
		3LD21 and 3LD22	3LD9220-2C	665.-	1	
		3LD25	3LD9250-2CA	880.-	1	
		3LD27 and 3LD28	3LD9280-2C	1075.-	1	
Auxiliary switches For mounting on left and/or right 1NO+1NC		3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5C	920.-	1	
Terminal cover for touch protection can be snapped on at top & bottom for front and floor mounting		4 pole	3LD20	3LD9201-1A	300.-	4
		3 pole	3LD21 and 3LD22	3LD9221-0A	275.-	4
	3 pole	3LD25	3LD9251-0A	305.-	4	
	1 pole	3LD7 and 3LD28	3LD9281-2A	145.-	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	1575.-	10
		30	■ 3LA0601-1YB	3660.-	5
	System selector	5.5	■ 3LA0202-1YA	1800.-	10
		30	3LA0602-1YB	5125.-	5
	Reversing	5.5	■ 3LA0203-1YA	1800.-	10
		30	■ 3LA0603-1YB	5125.-	5
	Star-delta	12	3LA0204-5YA	2535.-	10
		30	3LA0604-1YB	6975.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	1800.-	10
			3LA0205-1YA	2425.-	10
5.5		3LA0205-3YA	3480.-	10	
		Reversing pole changing	5.5	3LA0205-3YA	3480.-
In sheet steel housing	On/Off	7.5	■ 3LA0221-1YA	2135.-	1
		30	■ 3LA0621-1YB	5510.-	1
	System selector	5.5	3LA0222-1YA	2475.-	1
	Reversing	5.5	■ 3LA0223-1YA	2925.-	1



## Spares & accessories for motor control switches

Description	Type	Unit LP* ₹	Std. pkg. (nos.)
Ball handle – Black	■ 3LX0 211-1YA	95.-	10
Machine handle – Black	3LX0 611-2YA	255.-	10
Indicating dial for size 2	■ 3LX0 220-1YA	75.-	10
Indicating dial for size 6	■ 3LX0 620-1YA	75.-	10
Catching lever for the drive mechanism of size 2 switch (2 nos. reqd. per switch)	3LY0 220-2YA	75.-	10
Tension spring for the drive mechanism of size 2 switch	3LY0 210-1YA	60.-	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	1080.-	10
	63	52	3LA0605-1YB	2590.-	5
4	25	16	■ 3LA0205-5YA	1800.-	10
	63	52	■ 3LA0605-2YB	4735.-	5

## Control switches 3ST

Switch	Description	Type	Unit LP* ₹	Std. pkg. (nos.)
2-Pole On-Off <sup>1), 2)</sup> 3-Pole On-Off <sup>1), 2)</sup>	415V, 50Hz/8.5A	■ 3ST1 400-0AF08	530.-	10
		■ 3ST1 400-1AH08	650.-	10
Ammeter selector	0-L1-L2-L3	■ 3ST1 400-2RQ08	970.-	10
Voltmeter selector	0-L1L2-L2L3-L3L1	■ 3ST1 400-1RK08	680.-	10

- 1) 12th place code '8' represents black knob. Replace it by '9' for red knob.
- 2) 9th place code 'A' represents rotation < 360°. For 360° rotation, replace it by 'B'

■ Stock items

\* LP - List Price





**SIEMENS**

*Ingenuity for life*



## Arc Fault Detection Device

First in Safety

As the first AFD unit, the protection device protects human lives and buildings reliably against fires caused by electricity.





The 5SM6 AFD unit from Siemens is the first one of its kind that detects serial arcing faults at an early stage. It is established since 2012 and fulfills all relevant rules and standards. With the publishing of the IEC 60364-4-42, the installation is strongly recommended all over Europe.

The 5SM6 AFD unit closes the existing safety gap and is part of a complete protection concept by Siemens – one stop safety

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

# Betagard Miniature Circuit Breakers Type 5SL6 and 5SL4

- Standards: IS/IEC 60898-1:2002
- Voltage: Un 240/415V, 50...60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P
- With ISI marking: CM/L 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
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
	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
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

Refer latest Electrical Installations from A to Z MRP for prices





# Betagard Circuit Breakers

## 5SY7 Circuit Breakers

- Standards: IEC/EN 60947-2
- Voltage: Un 230/400V, 50...60Hz can be used in systems upto 60V DC for 1P and 110V DC for 2P
- Breaking capacity: 15kA as per IEC/EN 60947-2

## 5SY5 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 <sup>#</sup>	15000A		10000A		Std. Pkg. (Nos)
			Characteristic D, AC CBs		Characteristic C, DC CBs		
	0.5	1	1P, 230/400V AC	5SY71058CC	1P, 220V DC	5SY51057CC	1/12
	1			5SY71018CC		5SY51017CC	1/12
	2			5SY71028CC		5SY51027CC	1/12
	3			5SY71038CC		5SY51037CC	1/12
	4			5SY71048CC		5SY51047CC	1/12
	6			5SY71068CC		5SY51067CC	1/12
	8			5SY71088CC		5SY51087CC	1/12
	10			5SY71108CC		5SY51107CC	1/12
	13			5SY71138CC		5SY51137CC	1/12
	16			5SY71168CC		5SY51167CC	1/12
	20			5SY71208CC		5SY51207CC	1/12
	25			5SY71258CC		5SY51257CC	1/12
	32			5SY71328CC		5SY51327CC	1/12
	40			5SY71408CC		5SY51407CC	1/12
	50			5SY71508CC		5SY51507CC	1/12
63	5SY71638CC	5SY51637CC	1/12				
	0.5	2	2P, 400V AC	5SY72058CC	2P, 440V DC	5SY52057CC	1/6
	1			5SY72018CC		5SY52017CC	1/6
	2			5SY72028CC		5SY52027CC	1/6
	3			5SY72038CC		5SY52037CC	1/6
	4			5SY72048CC		5SY52047CC	1/6
	6			5SY72068CC		5SY52067CC	1/6
	8			5SY72088CC		5SY52087CC	1/6
	10			5SY72108CC		5SY52107CC	1/6
	13			5SY72138CC		5SY52137CC	1/6
	16			5SY72168CC		5SY52167CC	1/6
	20			5SY72208CC		5SY52207CC	1/6
	25			5SY72258CC		5SY52257CC	1/6
	32			5SY72328CC		5SY52327CC	1/6
	40			5SY72408CC		5SY52407CC	1/6
	50			5SY72508CC		5SY52507CC	1/6
63	5SY72638CC	5SY52637CC	1/6				
	0.5	3	3P, 400V AC	5SY73058CC	--	--	1/4
	1			5SY73018CC		--	1/4
	2			5SY73028CC		--	1/4
	3			5SY73038CC		--	1/4
	4			5SY73048CC		--	1/4
	6			5SY73068CC		--	1/4
	8			5SY73088CC		--	1/4
	10			5SY73108CC		--	1/4
	13			5SY73138CC		--	1/4
	16			5SY73168CC		--	1/4
	20			5SY73208CC		--	1/4
	25			5SY73258CC		--	1/4
	32			5SY73328CC		--	1/4
	40			5SY73408CC		--	1/4
	50			5SY73508CC		--	1/4
63	5SY73638CC	--	1/4				
	0.5	4	4P, 400V AC	5SY74058CC	--	--	1/3
	1			5SY74018CC		--	1/3
	2			5SY74028CC		--	1/3
	3			5SY74038CC		--	1/3
	4			5SY74048CC		--	1/3
	6			5SY74068CC		--	1/3
	8			5SY74088CC		--	1/3
	10			5SY74108CC		--	1/3
	13			5SY74138CC		--	1/3
	16			5SY74168CC		--	1/3
	20			5SY74208CC		--	1/3
	25			5SY74258CC		--	1/3
	32			5SY74328CC		--	1/3
	40			5SY74408CC		--	1/3
	50			5SY74508CC		--	1/3
63	5SY74638CC	--	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 perform in the toughest situation

### 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, Siemens 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 marked
- Highly compact: upto 100A in size 000



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

Size	Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)	
000	2	3NA78020RC	330.-	1/6	
	4	3NA78040RC	330.-	1/6	
	6	3NA78010RC	330.-	1/6	
	10	3NA78030RC	330.-	1/6	
	16	3NA78050RC	335.-	1/6	
	20	3NA78070RC	335.-	1/6	
	25	3NA78100RC	335.-	1/6	
	32	3NA78120RC	335.-	1/6	
	40	3NA78170RC	360.-	1/6	
	50	3NA78200RC	360.-	1/6	
	63	3NA78220RC	395.-	1/6	
	80	3NA78240RC	425.-	1/6	
	100	3NA78300RC	425.-	1/6	
00	125	3NA78320RC	520.-	1/6	
	160	3NA78360RC	545.-	1/6	
	1	50	3NA71200RC	710.-	1/3
		63	3NA71220RC	710.-	1/3
80		3NA71240RC	710.-	1/3	
100		3NA71300RC	710.-	1/3	
125	3NA71320RC	735.-	1/3		
160	3NA71360RC	760.-	1/3		
200	3NA71400RC	760.-	1/3		
224	3NA71420RC	785.-	1/3		
250	3NA71440RC	855.-	1/3		
2	200	3NA72400RC	1050.-	1/3	
	250	3NA72440RC	1090.-	1/3	
	315	3NA72520RC	1130.-	1/3	
	400*	3NA72600RC	1130.-	1/3	
3	315	3NA33520RC	1560.-	1/3	
	400	3NA33600RC	1560.-	1/3	
	500	3NA33650RC	1750.-	1/3	
	630	3NA33720RC	1780.-	1/3	
	800*	3NA33754RC	2170.-	1/3	

\* 400A & 800A rated at 415V AC

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

Size	Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
00	40	3NA78176RC	440.-	1/6
	50	3NA78206RC	440.-	1/6
	63	3NA78226RC	470.-	1/6
	80	3NA78246RC	495.-	1/6
	100	3NA78306RC	495.-	1/6
1	125	3NA71326RC	860.-	1/3
	160	3NA71366RC	890.-	1/3
	200	3NA71406RC	890.-	1/3
2	250	3NA72446RC	1180.-	1/3
	315	3NA72526RC	1265.-	1/3
3	400	3NA33606RC	1840.-	1/3
	425	3NA33626RC	1840.-	1/3
	500	3NA33656RC	1955.-	1/3

### Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
00	160	■ 3NG1000	350.-	1
1	250	■ 3NG1250	520.-	1
2	400	■ 3NG1300	850.-	1
3	630	■ 3NG1400	885.-	1

### Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Type	Unit MRP* ₹	Std. pkg.** (nos.)
00	160	3NA7 8	■ 3NH3030-0RC (Screw-in connection at both ends)	425.-	1/10
00	160	3NA7 8	■ 3NH3032-0RC (Plug-in connection at both ends)	445.-	1/10
1	250	3NA7 1	■ 3NH3230-0RC	830.-	1/5
2	400	3NA7 2	■ 3NH3330-0RC	1200.-	1/5
3	630	3NA3 3	■ 3NH3430-0RC	1700.-	1/5
3	800	3NA3 3	■ 3NH3430-4RC	2050.-	1/5

### Fuse puller

Description	Type	MRP* ₹	Std. pkg.** (nos.)
Suitable for 3KL8/3KT8 and all sizes of fuse links/isolating links	■ 3NX1011	1735.-	1
Suitable only for fuse links and isolating links	3NX1010	865.-	1



Fuse Puller:  
3NX1010



Isolating Link



Fuse Base

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

Size	Rated current (A)	Type	Unit MRP* ₹
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

\* MRP - Maximum 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	80.-	20
4	■ 3NWN54	80.-	20
6	■ 3NWN56	80.-	20
10	■ 3NWN510	80.-	20
16	■ 3NWN516	80.-	20
20	■ 3NWN520	90.-	20
25	■ 3NWN525	90.-	20
32	3NWN532	90.-	20

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
6	3NWTSA6	90.-	20
10	3NWTSA10	90.-	20
16	3NWTSA16	90.-	20
20	3NWTSA20	90.-	20
25	3NWTSA25	90.-	20
32	3NWTSA32	90.-	20
36	3NWTSS36	195.-	20
40	3NWTSS40	195.-	20
50	3NWTSS50	195.-	20
63	3NWTSS63	195.-	20
80	3NWTSDS80	280.-	20
100	3NWTSDS100	280.-	20
125	3NWTSP125	455.-	5
160	3NWTSP160	455.-	5
200	3NWTSP200	455.-	5

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	115.-	20
4	3NWTIA4	115.-	20
6	3NWTIA6	115.-	20
10	■ 3NWTIA10	115.-	20
16	■ 3NWTIA16	115.-	20
20	■ 3NWTIA20	115.-	20
25	■ 3NWTIA25	115.-	20
32	■ 3NWTIA32	115.-	20
40	3NWTIS40	180.-	20
50	■ 3NWTIS50	180.-	20
63	■ 3NWTIS63	180.-	20
80	3NWTCP80	460.-	10
100	■ 3NWTCP100	460.-	10
125	3NWTFP125	705.-	5
160	3NWTFP160	705.-	5
200	3NWTFP200	705.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTSDC80	340.-	10
100	3NWTSDC100	340.-	10
125	3NWTSF125	460.-	5
160	3NWTSF160	460.-	5
200	3NWTSF200	460.-	5
250	3NWTSK250	830.-	1
315	3NWTSK315	830.-	1
355	3NWTSMS355	1390.-	1
400	3NWTSMS400	1390.-	1
450	3NWTST5450	1420.-	1
500	3NWTST5500	1420.-	1
560	3NWTSL5560	2295.-	1
630	3NWTSL5630	2295.-	1
800	3NWTSL800	3320.-	1

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWT80	495.-	10
100	3NWT100	495.-	10
125	3NWT125	770.-	5
160	3NWT160	770.-	5
200	3NWT200	770.-	5
250	3NWT250	1105.-	1
315	3NWT315	1105.-	1
355	3NWT355	1525.-	1
400	3NWT400	1525.-	1
500	3NWT500	2395.-	1
630	3NWT630	3170.-	1
710	3NWT710	3610.-	1
800	3NWT800	3610.-	1

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWC32F9	1355.-	10
63	3NWC63F9	1585.-	10
100	3NWC100F9	1750.-	10

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	165.-	10
32	■ 3NW32NNSF	205.-	10
32A (Iso. Link)	■ 3NW32NNSL	95.-	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



**3NE9 type**  
600 V AC



**3NE4 type**

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
1000	32	■ 3NE4101	gR	1	1605.-	1
	40	■ 3NE4102	gR	1	1610.-	1
	50	■ 3NE4117	gR	1	1690.-	1
	80	■ 3NE4120	aR	1	1825.-	1
	100	■ 3NE4121	aR	1	2000.-	1
	125	■ 3NE4122	aR	1	2155.-	1
	160	■ 3NE4124	aR	1	2365.-	1
800	250	■ 3NE43276	aR	-	4795.-	1
	315	■ 3NE43306	aR	-	4940.-	1
	450	■ 3NE43336	aR	-	5175.-	1
	500	■ 3NE43346	aR	-	5215.-	1
	710	■ 3NE43376	aR	-	5670.-	1

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
850	3NE94406	gR	-	18850.-	3
1250	3NE9450	aR	-	17770.-	3



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



Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
25	3NE80151	gR	00	3145.-	3
35	3NE80031	gR	00	3145.-	3
50	3NE80171	gR	00	3145.-	3
63	3NE80181	gR	00	3145.-	3
80	3NE80201	aR	00	3495.-	3
100	3NE80211	aR	00	3655.-	3
125	3NE80221	aR	00	3705.-	3
160	3NE80241	aR	00	4070.-	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	3705.-	3
20	3NE18140	gS	000	3705.-	3
25	3NE18150	gS	000	3705.-	3
35	3NE18030	gS	000	3705.-	3
40	3NE18020	gS	000	3705.-	3
50	3NE18170	gS	000	3705.-	3
63	3NE18180	gS	000	3705.-	3
80	3NE18200	gS	000	3705.-	3
100	3NE10210	gS	00	5055.-	3
125	3NE10220	gS	00	5055.-	3
160	3NE12240	gS	1	12255.-	3
200	3NE12250	gS	1	12255.-	3
250	3NE12270	gS	1	12865.-	3
315	3NE12300	gS	1	13790.-	3
350	3NE13310	gS	2	17135.-	3
400	3NE13320	gS	2	17280.-	3
450	3NE13330	gS	2	17390.-	3
500	3NE13340	gS	2	17655.-	3
560	3NE14350	gS	3	17745.-	3
630	3NE14360	gS	3	18515.-	3
710	3NE14370	gS	3	19255.-	3
800	3NE14380	gS	3	Upon Enquiry	3

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



Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
20	3NE87141	gR	000	2865.-	10
25	3NE87151	gR	000	2865.-	10
32	3NE87011	gR	000	2865.-	10
40	3NE87021	gR	000	2865.-	10
50	3NE87171	gR	000	2950.-	10
63	3NE87181	aR	000	2950.-	10
80	3NE87201	aR	000	3100.-	10
100	3NE87211	aR	000	3100.-	10
125	3NE87221	aR	000	3100.-	10
160	3NE87241	aR	000	3220.-	10
200	3NE87251	aR	000	3285.-	10
250	3NE87271	aR	000	3570.-	10
315	3NE87311	aR	000	4690.-	10

\*\* 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.**

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

# 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	8805.-	3
125	3NE3222	aR	1	9055.-	3
160	3NE3224	aR	1	9055.-	3
200	3NE3225	aR	1	9200.-	3
250	3NE3227	aR	1	9440.-	3
315	3NE32300B	aR	1	9830.-	3
350	3NE3231	aR	1	11675.-	3
400	3NE32320B	aR	1	12510.-	3
450	3NE3233	aR	1	12950.-	3
400	3NE33320B	aR	2	12630.-	3
450	3NE3333	aR	2	13295.-	3
500	3NE33340B	aR	2	13540.-	3
560	3NE3335	aR	2	14055.-	3
630	3NE3336	aR	2	14725.-	3
710 <sup>^</sup>	3NE33378	aR	2	21840.-	3
800 <sup>^</sup>	3NE33388	aR	2	22440.-	3
900 <sup>^</sup>	3NE33408	aR	2	26730.-	3
100	3NE34210C	aR	3	18396.-	3
224	3NE36260C	aR	3	18010.-	3
315	3NE34300C	aR	3	19270.-	3
400	3NE34320C	aR	3	20400.-	3
450	3NE36350C	aR	3	21645.-	3
500	3NE34340C	aR	3	25900.-	3
630	3NE36360C	aR	3	29965.-	3
710	3NE36370C	aR	3	31065.-	3

<sup>^</sup> 710A: 900V AC; 800A: 800V AC; 900A: 690V AC



**3NC type**  
690V AC<sup>#</sup>

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
150	3NC84233C	gR	3	17870.-	3
200	3NC84253C	gR	3	12465.-	3
250	3NC84273C	gR	3	14265.-	3
350	3NC84313C	gR	3	14705.-	3
500	3NC84343C	gR	3	15895.-	3
1000	3NC84443C	aR	3	28870.-	3

<sup>#</sup> 1000A, 600V AC

Utilization category as per VDE 0636/IEC 60269	
Semiconductor	aR, gR, gS
Cable & Conductor	gG
Motor	aM
1st letter	2nd letter
a = Partial range of protection (accompanied fuses)	G(-L) = Cable & conductor protection (general purpose fuses)
g = Complete range 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

**3NE5 type**  
1500 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
160	3NE54240C	aR	3	24380.-	2
224	3NE54260C	aR	3	29315.-	2
250	3NE56270C	aR	3	27190.-	3
315	3NE54300C	aR	3	30530.-	2
350	3NE54310C	aR	3	26180.-	2
450	3NE56330C	aR	3	29495.-	3
600	3NE56430C	aR	3	30935.-	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

**Also Available**

1. Cylindrical fuse range upto 100A, for both general purpose & Semiconductor protection
2. Fuses for Photovoltaic application (DC 1000V / 1500V)
3. D-Type fuse Range upto 100A

For more details please contact your nearest sales office.

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

Fuses



# 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	3RU21 56-5DB10-8K	110 - 160	3RT1055	150
2	90	156	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9340-6AC00	400	315	12.5 X Ir	3RU21 56-5EB10-8K	140 - 200	3RT1056	185
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	3RU11 46-4LB0	70 - 90	3RT1055	150	3RT1044	65
2	90	156	90.1	50 / 65kA	3VT3763-3AA36-0AA0 + 3VT9325-6AC00	250	231	12.5 X Ir	3RU11 46-4MB0	80 - 100	3RT1056	185	3RT1044	65
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. 76 or consult nearest Siemens Office.

For Type 2 Co-ordination chart with SCPD 3VL MCCB, please refer to LV SGR - Motor Control Products Price list page no. 76 or consult nearest Siemens Office.

Type-2 Co-ordination Charts

# 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 00-8Y21	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. 78 or consult nearest Siemens Office.  
For Type 2 Co-ordination chart with SCPD 3VL MCCB, please refer to LV SGR - Motor Control Products Price list page no. 78 or consult nearest Siemens Office.

Type-2 Co-ordination Charts

# 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.
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

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

SL Motor		SDF		Fuse		Contactor		Bi-Relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	Type	Amp	Type	Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	1	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	3RT1044	65	3RU1146-4JB0	45 ... 63
37	65	3KL822	125	3NA78320RC	125	3RT1045	80	3RU1146-4KB0	57 ... 75
45	78	3KL822	125	3NA78320RC	125	3RT1046	95	3RU1146-4LB0	70 ... 90
55	96	3KL823	160	3NA78360RC	160	3RT1054	115	3RU1146-4MB0	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	3RT1045	80	3RT1044	65	3RU1146-4LB0	70 ... 90	3RP15
90	156	90.1	3KL823	160	3NA78360RC	160	3RT1046	95	3RT1044	65	3RU1146-4MB0	80 ... 100	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

Type-2 Co-ordination Charts

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

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + 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 Disconnecter Fuse. **All fuses are DIN HRC type.**
- Tested Type 2 combinations
- Low LCC = Low Life Cycle Cost

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

SL Motor	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

Type-2 Co-ordination Charts

## Available till stocks last

### 3VT Moulded case circuit breaker - Spreaders links

Frame	Description	Current Type Nos.	New Type Nos.
3VT1	Spreader Links - 4pole	3VT91004ED48	3VT9100-4ED40-ORCO
3VT2	Spreader Links - 3pole	3VT92004EG30	3VT9200-4ED30-ORCO
	Spreader Links - 4pole	3VT92004ED48	3VT9200-4ED40-ORCO
3VT3	Spreader Links - 3pole	3VT93004EG30	3VT9300-4ED30-ORCO
	Spreader Links - 4pole	3VT93004ED48	3VT9300-4ED40-ORCO

### Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Current Type Nos.	Successor Type Nos.
00	160	3NA7 8	3NH3030	3NH3030-ORC
00	160	3NA7 8	3NH3032	3NH3032-ORC
1	250	3NA7 1	3NH3230	3NH3230-ORC
2	400	3NA7 2	3NH3330	3NH3330-ORC
3	630	3NA3 3	3NH3430	3NH3430-ORC

Note - This is only a change in the Type nos. All the technical and dimension details are same.

### Switch disconnecter: 3KA8 (in Open Execution TPN)

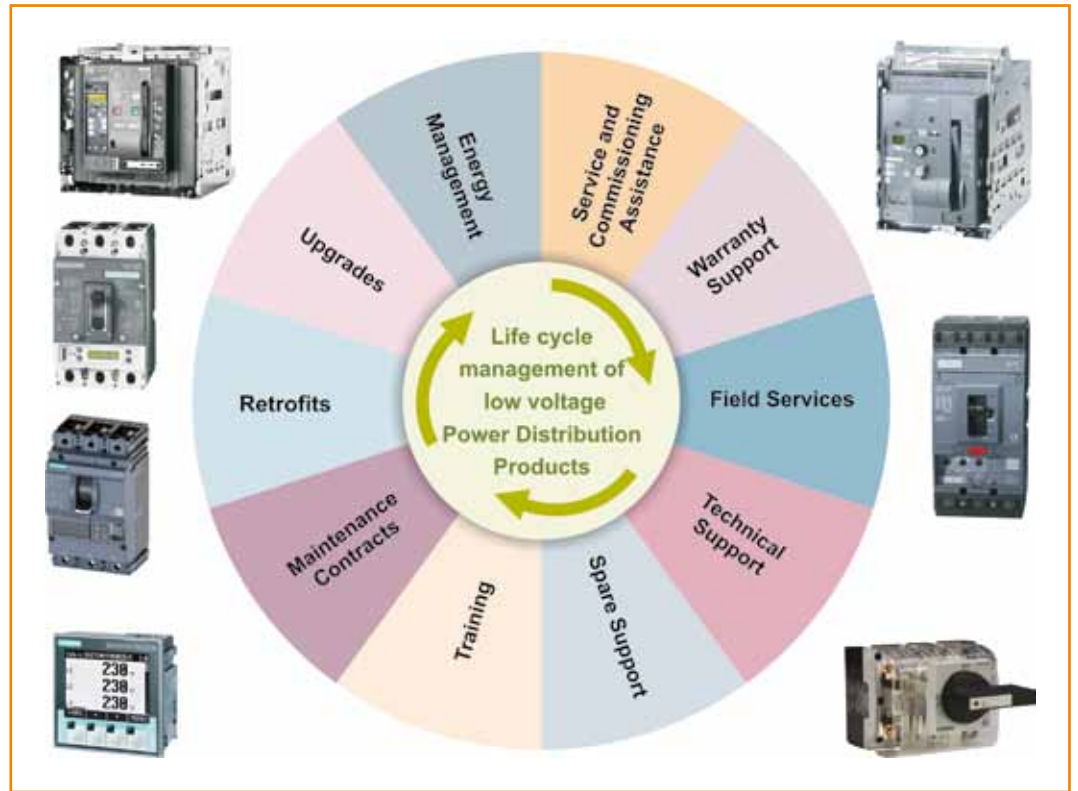
Product group	Rated current	Current Type Nos.	Successor Type Nos.
3KA8	800A	3KA84313UE00	3KA84323UE00
			3KA84333UE00
	1000A	3KA84413UE00	3KA84423UE00
			3KA84433UE00
	1200A	3KA84513UE00	3KA84523UE00
			3KA84533UE00
	1600A	3KA84613UE00	3KA84623UE00
			3KA84633UE00

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### Note

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