

**SIEMENS**

*Ingenuity for life*



Your trusted partner for  
reliable power

Low Voltage Power Distribution products

Price List w.e.f. 1<sup>st</sup> March, 2018

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

Title	Course Code	Days
<b>Training Programmes 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 Industrial Identification	SC-IDENT	3
SIMATIC Industrial Communication	SC-IWLAN	2
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
SINAMICS V90	DR-V90	3

Title	Course Code	Days
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
Sinamics G120 With TIA Portal	DR-G12TIA	4
Sinamics S120 Advance-1 (BP & DCC)	DR-S12ADV1	4
Sinamics S120 Advance-2 (communication)	DR-S12ADV2	3
Sinamics S120 Drives Safty Functions	DR-S12SAF	3
<b>Training Program on LV Switchgear Products</b>		
LV Switchgear Products & Maintenance	LV-SGPM	5
LV Power Distribution Systems	LV-PD	2
SIMOCODE AC-Motor control	LV-SM	2
Basic Automation for Switchgear User	LV-BAS	3
AC Motor Basics Control & Maintenance	LV-IM	3
SIRIUS Soft Starter	LV-SS	2
Sentron PAC Meter	LV-PAC	2
Sentron Power Manager	LV-SPM	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 Ltd.  
TSDC, Kalwa Works  
Opposite Airoli Railway Station  
Thane Belapur Road, Airoli  
Navi Mumbai - 400708, Maharashtra  
Contact: Ms. Shalaka Shinde  
Tel: +91-22-39663208/8087  
E-mail: customer.training.in@siemens.com

**Siemens Training Service Provider TSP-North 1 (Chandigarh)**  
Industrial Automation Training Centre  
Sco-134,135,136 Sector 34-A  
Chandigarh - (U.T.) 160034  
Tel: +91-172-4674417-18

**Siemens Training Service Provider TSP-South 1 (Coimbatore)**  
Karunya – SIEMENS Centre  
Karunya University, Karunya Nagar  
Coimbatore - 641114  
Tel: +91-422-2614400/4399

**Siemens Training Service Provider 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  
Tel: +91-22-27788403

**Siemens M/C Tools Drives Training (Bangalore)**  
Competency Development Center  
#49, 2nd Floor, Jyoti Mahal Building  
St. Marks Road, Bangalore  
Tel: +91-80-33422665  
Contact: Ms. Shwetha R.  
E-mail: mctraining.in@siemens.com

**Siemens Training Service Provider TSP-South-2 (Hyderabad)**  
Esskay Technologies  
9-10-13, 2nd Floor  
Siddam Shetty Complex, Canara Bank  
Opposite Raymond Showroom, Parklane  
Secunderabad - 500003  
Tel: +91-40-66776353/040-66386352

**Siemens Training Service Provider TSP-West 2 (Digha)**  
Christiani Sharpline Technical Training (P)  
Ltd.  
Plot No.19, TTC Industrial Area  
Vishnu Nagar, Dighe  
Navi Mumbai - 400708  
Tel: +91-22-39154101/1105

**TSP-North2 (Jaipur)**  
Ajay Kumar Garg Engineering College  
27th KM Milestone  
Delhi-Hapur Bypass Road  
P.O. Adhyatmik Nagar, Ghaziabad  
Uttar Pradesh - 201009  
Contact: Ashiv Shah  
Tel: +91-120-6582886  
E-mail: ashivshah@yahoo.com

**Siemens Training Service Provider TSP-East (Kolkata)**  
Esskay Services  
Lane - 2, Swarupnagar  
Dankuni, Hooghly - 712311  
Tel: +91-33-26590258

**Siemens Training Service Provider TSP-South-3 (Chennai)**  
Vi Microsystems Pvt. Ltd.  
Plot No. 75, Electronics Estate  
Perungudi, Tamil Nadu  
Chennai - 600096  
Tel: +91-44-42047536

**Siemens Training Service Provider TSP-Central (Bhilai)**  
Siemens Authorised Training Service Provider  
2/5 Priyadarshani Parisar (West)  
Nehru Nagar Square, Bhilai - 490020  
Contact: G Prabhakar Rao  
Tel: +91-788-4013455, +91-81036 54180

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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## One system. Worldwide application.

The 3VA moulded case circuit breaker with UL certification

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

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

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

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

## MCCB: SENTRON 3VA

- Rated current: 16A to 1000A
- 1 pole<sup>^</sup>, 2 pole<sup>^</sup>, 3 pole & 4 pole versions
- Thermal magnetic and Microprocessor based trip unit
- Common Internal accessories for the entire range
- Information on the GO - Unique Knowledge Manager (QR Code) for 24 X 7 Technical Information
- Innovative Accessories viz. Short Circuit Alarm Switch, Illuminated Handle, Shunt Trip Flexible etc



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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole			
			Type	Unit LP* ₹	Type	Unit LP* ₹		
3VA10	16kA	16	3VA1096-2ED32-0AA0	6770.-	3VA1096-2ED42-0AA0	8775.-		
		20	3VA1020-2ED32-0AA0	6770.-	3VA1020-2ED42-0AA0	8775.-		
		25	3VA1025-2ED32-0AA0	6770.-	3VA1025-2ED42-0AA0	8775.-		
		32	3VA1032-2ED32-0AA0	6770.-	3VA1032-2ED42-0AA0	8775.-		
		40	3VA1040-2ED32-0AA0	6770.-	3VA1040-2ED42-0AA0	8775.-		
		50	3VA1050-2ED32-0AA0	6770.-	3VA1050-2ED42-0AA0	8775.-		
		63	3VA1063-2ED32-0AA0	6770.-	3VA1063-2ED42-0AA0	8775.-		
		80	3VA1080-2ED32-0AA0	7405.-	3VA1080-2ED42-0AA0	9615.-		
		100	3VA1010-2ED32-0AA0	8565.-	3VA1010-2ED42-0AA0	11160.-		
3VA10	25kA	16	3VA1096-3ED32-0AA0	6950.-	3VA1096-3ED42-0AA0	9070.-		
		20	3VA1020-3ED32-0AA0	6950.-	3VA1020-3ED42-0AA0	9070.-		
		25	3VA1025-3ED32-0AA0	6950.-	3VA1025-3ED42-0AA0	9070.-		
		32	3VA1032-3ED32-0AA0	6950.-	3VA1032-3ED42-0AA0	9070.-		
		40	3VA1040-3ED32-0AA0	6950.-	3VA1040-3ED42-0AA0	9070.-		
		50	3VA1050-3ED32-0AA0	6950.-	3VA1050-3ED42-0AA0	9070.-		
		63	3VA1063-3ED32-0AA0	6950.-	3VA1063-3ED42-0AA0	9070.-		
		80	3VA1080-3ED32-0AA0	7560.-	3VA1080-3ED42-0AA0	9840.-		
		100	3VA1010-3ED32-0AA0	8750.-	3VA1010-3ED42-0AA0	11385.-		
3VA11		125	3VA1112-3ED32-0AA0	14745.-	3VA1112-3ED42-0AA0	19145.-		
		160	3VA1116-3ED32-0AA0	17155.-	3VA1116-3ED42-0AA0	22325.-		
3VA10	36kA	16	3VA1096-4ED32-0AA0	7335.-	3VA1196-4GD42-0AA0	10150.-		
		20	3VA1020-4ED32-0AA0	7335.-	3VA1120-4GD42-0AA0	10150.-		
		25	3VA1025-4ED32-0AA0	7335.-	3VA1125-4GD42-0AA0	10150.-		
		32	3VA1032-4ED32-0AA0	7335.-	3VA1132-4GD42-0AA0	10150.-		
		40	3VA1040-4ED32-0AA0	7335.-	3VA1140-4GD42-0AA0	10150.-		
		50	3VA1050-4ED32-0AA0	7335.-	3VA1150-4GD42-0AA0	10150.-		
		63	3VA1063-4ED32-0AA0	7335.-	3VA1163-4GD42-0AA0	10150.-		
		80	3VA1080-4ED32-0AA0	7700.-	3VA1180-4GD42-0AA0	11130.-		
		100	3VA1010-4ED32-0AA0	8930.-	3VA1110-4GD42-0AA0	12860.-		
3VA11		125	3VA1112-4ED32-0AA0	16010.-	3VA1112-4GD42-0AA0	20810.-		
		160	3VA1116-4ED32-0AA0	18670.-	3VA1116-4GD42-0AA0	24275.-		
3VA11	55kA	16	3VA1196-5ED32-0AA0	8600.-	3VA1196-5GD42-0AA0	11160.-		
		20	3VA1120-5ED32-0AA0	8600.-	3VA1120-5GD42-0AA0	11160.-		
		25	3VA1125-5ED32-0AA0	8600.-	3VA1125-5GD42-0AA0	11160.-		
		32	3VA1132-5ED32-0AA0	8600.-	3VA1132-5GD42-0AA0	11160.-		
		40	3VA1140-5ED32-0AA0	8600.-	3VA1140-5GD42-0AA0	11160.-		
		50	3VA1150-5ED32-0AA0	8600.-	3VA1150-5GD42-0AA0	11160.-		
		63	3VA1163-5ED32-0AA0	8600.-	3VA1163-5GD42-0AA0	11160.-		
		80	3VA1180-5ED32-0AA0	9430.-	3VA1180-5GD42-0AA0	12255.-		
				100	3VA1110-5ED32-0AA0	10920.-	3VA1110-5GD42-0AA0	14165.-
				125	3VA1112-5ED32-0AA0	17595.-	3VA1112-5GD42-0AA0	22870.-
		160	3VA1116-5ED32-0AA0	20515.-	3VA1116-5GD42-0AA0	26695.-		

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

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

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	25kA	16	3VA1196-3EE32-0AA0	8825.-	3VA1196-3GE42-0AA0	12635.-
		20	3VA1120-3EE32-0AA0	8825.-	3VA1120-3GE42-0AA0	12635.-
		25	3VA1125-3EE32-0AA0	8825.-	3VA1125-3GE42-0AA0	12635.-
		32	3VA1132-3EE32-0AA0	8825.-	3VA1132-3GE42-0AA0	12635.-
		40	3VA1140-3EE32-0AA0	8825.-	3VA1140-3GE42-0AA0	12635.-
		50	3VA1150-3EE32-0AA0	8825.-	3VA1150-3GE42-0AA0	12635.-
		63	3VA1163-3EE32-0AA0	8825.-	3VA1163-3GE42-0AA0	12635.-
		80	3VA1180-3EE32-0AA0	8825.-	3VA1180-3GE42-0AA0	12635.-
		100	3VA1110-3EE32-0AA0	9430.-	3VA1110-3GE42-0AA0	12635.-
		125	3VA1112-3EE32-0AA0	16010.-	3VA1112-3GE42-0AA0	19710.-
		160	3VA1116-3EE32-0AA0	17660.-	3VA1116-3GE42-0AA0	22900.-
3VA11	36kA	16	3VA1196-4EE32-0AA0	10890.-	3VA1196-4GE42-0AA0	14260.-
		20	3VA1120-4EE32-0AA0	10890.-	3VA1120-4GE42-0AA0	14260.-
		25	3VA1125-4EE32-0AA0	10890.-	3VA1125-4GE42-0AA0	14260.-
		32	3VA1132-4EE32-0AA0	10890.-	3VA1132-4GE42-0AA0	14260.-
		40	3VA1140-4EE32-0AA0	10890.-	3VA1140-4GE42-0AA0	14260.-
		50	3VA1150-4EE32-0AA0	10890.-	3VA1150-4GE42-0AA0	14260.-
		63	3VA1163-4EE32-0AA0	10890.-	3VA1163-4GE42-0AA0	14260.-
		80	3VA1180-4EE32-0AA0	10890.-	3VA1180-4GE42-0AA0	14260.-
		100	3VA1110-4EE32-0AA0	10890.-	3VA1110-4GE42-0AA0	14260.-
		125	3VA1112-4EE32-0AA0	16770.-	3VA1112-4GE42-0AA0	21355.-
		160	3VA1116-4EE32-0AA0	19185.-	3VA1116-4GE42-0AA0	24895.-
3VA12		200#	3VA1220-4EF32-0AA0	25475.-	3VA1220-4GF42-0AA0	31395.-
		250#	3VA1225-4EF32-0AA0	27010.-	3VA1225-4GF42-0AA0	33910.-
3VA11	55kA	16	3VA1196-5EE32-0AA0	12415.-	3VA1196-5GE42-0AA0	15685.-
		20	3VA1120-5EE32-0AA0	12415.-	3VA1120-5GE42-0AA0	15685.-
		25	3VA1125-5EE32-0AA0	12415.-	3VA1125-5GE42-0AA0	15685.-
		32	3VA1132-5EE32-0AA0	12415.-	3VA1132-5GE42-0AA0	15685.-
		40	3VA1140-5EE32-0AA0	12415.-	3VA1140-5GE42-0AA0	15685.-
		50	3VA1150-5EE32-0AA0	12415.-	3VA1150-5GE42-0AA0	15685.-
		63	3VA1163-5EE32-0AA0	12415.-	3VA1163-5GE42-0AA0	15685.-
		80	3VA1180-5EE32-0AA0	12415.-	3VA1180-5GE42-0AA0	15685.-
		100	3VA1110-5EE32-0AA0	12415.-	3VA1110-5GE42-0AA0	15685.-
		125	3VA1112-5EE32-0AA0	19495.-	3VA1112-5GE42-0AA0	23410.-
		160	3VA1116-5EE32-0AA0	21095.-	3VA1116-5GE42-0AA0	27220.-
3VA12		200#	3VA1220-5EF32-0AA0	26530.-	3VA1220-5GF42-0AA0	32400.-
		250#	3VA1225-5EF32-0AA0	28125.-	3VA1225-5GF42-0AA0	35635.-
3VA11	70kA	16	3VA1196-6EE32-0AA0	16980.-	3VA1196-6GE42-0AA0	21345.-
		20	3VA1120-6EE32-0AA0	16980.-	3VA1120-6GE42-0AA0	21345.-
		25	3VA1125-6EE32-0AA0	16980.-	3VA1125-6GE42-0AA0	21345.-
		32	3VA1132-6EE32-0AA0	16980.-	3VA1132-6GE42-0AA0	21345.-
		40	3VA1140-6EE32-0AA0	16980.-	3VA1140-6GE42-0AA0	21345.-
		50	3VA1150-6EE32-0AA0	16980.-	3VA1150-6GE42-0AA0	21345.-
		63	3VA1163-6EE32-0AA0	16980.-	3VA1163-6GE42-0AA0	21345.-
		80	3VA1180-6EE32-0AA0	16980.-	3VA1180-6GE42-0AA0	21345.-
		100	3VA1110-6EE32-0AA0	16980.-	3VA1110-6GE42-0AA0	21345.-
		125	3VA1112-6EE32-0AA0	31575.-	3VA1112-6GE42-0AA0	33860.-
		160	3VA1116-6EE32-0AA0	31575.-	3VA1116-6GE42-0AA0	33860.-
3VA12		200#	3VA1220-6EF32-0AA0	35780.-	3VA1220-6GF42-0AA0	46035.-
		250#	3VA1225-6EF32-0AA0	35780.-	3VA1225-6GF42-0AA0	46035.-

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

\* LP - List Price

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

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)		Breaking Capacity (70kA, 415V, 50Hz)	
		Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	1	3VA1181-5MG32-0AA0*	11415.-	3VA1181-6MG32-0AA0*	14020.-
	2	3VA1102-5MG32-0AA0*	11415.-	3VA1102-6MG32-0AA0*	14020.-
	4	3VA1104-5MG32-0AA0*	11415.-	3VA1104-6MG32-0AA0*	14020.-
	8	3VA1108-5MG32-0AA0*	11415.-	3VA1108-6MG32-0AA0*	14020.-
	12.5	3VA1192-5MG32-0AA0*	11415.-	3VA1192-6MG32-0AA0*	14020.-
	20	3VA1120-5MH32-0AA0	11415.-	3VA1120-6MH32-0AA0	14020.-
	32	3VA1132-5MH32-0AA0	13635.-	3VA1132-6MH32-0AA0	14695.-
	40	3VA1140-5MH32-0AA0	13635.-	3VA1140-6MH32-0AA0	14695.-
	50	3VA1150-5MH32-0AA0	13635.-	3VA1150-6MH32-0AA0	14695.-
	63	3VA1163-5MH32-0AA0	13635.-	3VA1163-6MH32-0AA0	14695.-
	80	3VA1180-5MH32-0AA0	13635.-	3VA1180-6MH32-0AA0	14695.-
	100	3VA1110-5MH32-0AA0	13635.-	3VA1110-6MH32-0AA0	14695.-
	125	3VA1112-5MH32-0AA0	19555.-	3VA1112-6MH32-0AA0	21140.-
3VA12	160	3VA1216-5MH32-0AA0	20525.-	3VA1216-6MH32-0AA0	29250.-
	200	3VA1220-5MH32-0AA0	28225.-	3VA1220-6MH32-0AA0	34640.-

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	5770.-
		20	3VA1120-3ED22-0AA0	5770.-
		25	3VA1125-3ED22-0AA0	5770.-
		32	3VA1132-3ED22-0AA0	5770.-
		40	3VA1140-3ED22-0AA0	5770.-
		50	3VA1150-3ED22-0AA0	5770.-
		63	3VA1163-3ED22-0AA0	5770.-
		80	3VA1180-3ED22-0AA0	6320.-
		100	3VA1110-3ED22-0AA0	7405.-
		125	3VA1112-3ED22-0AA0	11980.-
3VA11	36kA	160	3VA1116-3ED22-0AA0	13835.-
		16	3VA1196-4ED22-0AA0	6320.-
		20	3VA1120-4ED22-0AA0	6320.-
		25	3VA1125-4ED22-0AA0	6320.-
		32	3VA1132-4ED22-0AA0	6320.-
		40	3VA1140-4ED22-0AA0	6320.-
		50	3VA1150-4ED22-0AA0	6320.-
		63	3VA1163-4ED22-0AA0	6320.-
		80	3VA1180-4ED22-0AA0	6975.-
		100	3VA1110-4ED22-0AA0	8060.-
125	3VA1112-4ED22-0AA0	12845.-		
160	3VA1116-4ED22-0AA0	15030.-		



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	17620.-	3VA2025-4HL42-0AA0	22715.-
		40	3VA2040-4HL32-0AA0	17620.-	3VA2040-4HL42-0AA0	22715.-
		63	3VA2063-4HL32-0AA0	17620.-	3VA2063-4HL42-0AA0	22715.-
		100	3VA2010-4HL32-0AA0	17620.-	3VA2010-4HL42-0AA0	22715.-
		160	3VA2116-4HL32-0AA0	23820.-	3VA2116-4HL42-0AA0	33245.-
		250	3VA2225-4HL32-0AA0	32690.-	3VA2225-4HL42-0AA0	44325.-
		400	3VA2340-4HL32-0AA0	43675.-	3VA2340-4HL42-0AA0	57485.-
		630	3VA2463-4HL32-0AA0	45410.-	3VA2463-4HL42-0AA0	60170.-
3VA20	55kA	25	3VA2025-5HL32-0AA0	22405.-	3VA2025-5HL42-0AA0	30695.-
		40	3VA2040-5HL32-0AA0	22405.-	3VA2040-5HL42-0AA0	30695.-
		63	3VA2063-5HL32-0AA0	22405.-	3VA2063-5HL42-0AA0	30695.-
		100	3VA2010-5HL32-0AA0	22405.-	3VA2010-5HL42-0AA0	30695.-
		160	3VA2116-5HL32-0AA0	28400.-	3VA2116-5HL42-0AA0	36775.-
		250	3VA2225-5HL32-0AA0	37110.-	3VA2225-5HL42-0AA0	48990.-
		400	3VA2340-5HL32-0AA0	47095.-	3VA2340-5HL42-0AA0	61720.-
		630	3VA2463-5HL32-0AA0	48755.-	3VA2463-5HL42-0AA0	64605.-
		800	3VA2580-5HL32-0AA0	84585.-	3VA2580-5HL42-0AA0	108205.-
		1000	3VA2510-5HL32-0AA0	112080.-	3VA2510-5HL42-0AA0	149635.-
3VA20	85kA	25	3VA2025-6HL32-0AA0	29290.-	3VA2025-6HL42-0AA0	36290.-
		40	3VA2040-6HL32-0AA0	29290.-	3VA2040-6HL42-0AA0	36290.-
		63	3VA2063-6HL32-0AA0	29290.-	3VA2063-6HL42-0AA0	36290.-
		100	3VA2010-6HL32-0AA0	29290.-	3VA2010-6HL42-0AA0	36290.-
		160	3VA2116-6HL32-0AA0	38410.-	3VA2116-6HL42-0AA0	49030.-
		250	3VA2225-6HL32-0AA0	42655.-	3VA2225-6HL42-0AA0	62120.-
		400	3VA2340-6HL32-0AA0	53525.-	3VA2340-6HL42-0AA0	70290.-
		630	3VA2463-6HL32-0AA0	54855.-	3VA2463-6HL42-0AA0	85325.-
		800	3VA2580-6HL32-0AA0	93000.-	3VA2580-6HL42-0AA0	123705.-
		1000	3VA2510-6HL32-0AA0	128175.-	3VA2510-6HL42-0AA0	171100.-

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	24270.-	3VA2025-4HM42-0AA0	29920.-
		40	3VA2040-4HM32-0AA0	24270.-	3VA2040-4HM42-0AA0	29920.-
		63	3VA2063-4HM32-0AA0	24270.-	3VA2063-4HM42-0AA0	29920.-
		100	3VA2010-4HM32-0AA0	24270.-	3VA2010-4HM42-0AA0	29920.-
		160	3VA2116-4HM32-0AA0	30695.-	3VA2116-4HM42-0AA0	38225.-
		250	3VA2225-4HM32-0AA0	38790.-	3VA2225-4HM42-0AA0	48755.-
		400	3VA2340-4HM32-0AA0	52170.-	3VA2340-4HM42-0AA0	65800.-
		630	3VA2463-4HM32-0AA0	57385.-	3VA2463-4HM42-0AA0	72375.-
3VA20	55kA	25	3VA2025-5HM32-0AA0	27660.-	3VA2025-5HM42-0AA0	31695.-
		40	3VA2040-5HM32-0AA0	27660.-	3VA2040-5HM42-0AA0	31695.-
		63	3VA2063-5HM32-0AA0	27660.-	3VA2063-5HM42-0AA0	31695.-
		100	3VA2010-5HM32-0AA0	28230.-	3VA2010-5HM42-0AA0	33130.-
		160	3VA2116-5HM32-0AA0	38035.-	3VA2116-5HM42-0AA0	45640.-
		250	3VA2225-5HM32-0AA0	46385.-	3VA2225-5HM42-0AA0	57885.-
		400	3VA2340-5HM32-0AA0	56015.-	3VA2340-5HM42-0AA0	70650.-
		630	3VA2463-5HM32-0AA0	61620.-	3VA2463-5HM42-0AA0	77705.-
		800	3VA2580-5HM32-0AA0	89425.-	3VA2580-5HM42-0AA0	116250.-
		1000	3VA2510-5HM32-0AA0	120125.-	3VA2510-5HM42-0AA0	157685.-
3VA20	85kA	25	3VA2025-6HM32-0AA0	34535.-	3VA2025-6HM42-0AA0	42005.-
		40	3VA2040-6HM32-0AA0	34535.-	3VA2040-6HM42-0AA0	42005.-
		63	3VA2063-6HM32-0AA0	34535.-	3VA2063-6HM42-0AA0	42005.-
		100	3VA2010-6HM32-0AA0	34535.-	3VA2010-6HM42-0AA0	42005.-
		160	3VA2116-6HM32-0AA0	44005.-	3VA2116-6HM42-0AA0	55235.-
		250	3VA2225-6HM32-0AA0	51530.-	3VA2225-6HM42-0AA0	72305.-
		400	3VA2340-6HM32-0AA0	62440.-	3VA2340-6HM42-0AA0	79205.-
		630	3VA2463-6HM32-0AA0	68685.-	3VA2463-6HM42-0AA0	87135.-
		800	3VA2580-6HM32-0AA0	100750.-	3VA2580-6HM42-0AA0	131750.-
		1000	3VA2510-6HM32-0AA0	135925.-	3VA2510-6HM42-0AA0	179145.-

Std. Pkg. = 1 unit

\* LP - List Price



**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	9580.-	3VA1163-1AA42-0AA0	14155.-
		100	3VA1110-1AA32-0AA0	9580.-	3VA1110-1AA42-0AA0	14155.-
		125	3VA1112-1AA32-0AA0	19600.-	3VA1112-1AA42-0AA0	26130.-
		160	3VA1116-1AA32-0AA0	19600.-	3VA1116-1AA42-0AA0	26130.-
3VA12	NA	250	3VA1225-1AA32-0AA0	19600.-	3VA1225-1AA42-0AA0	26130.-

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

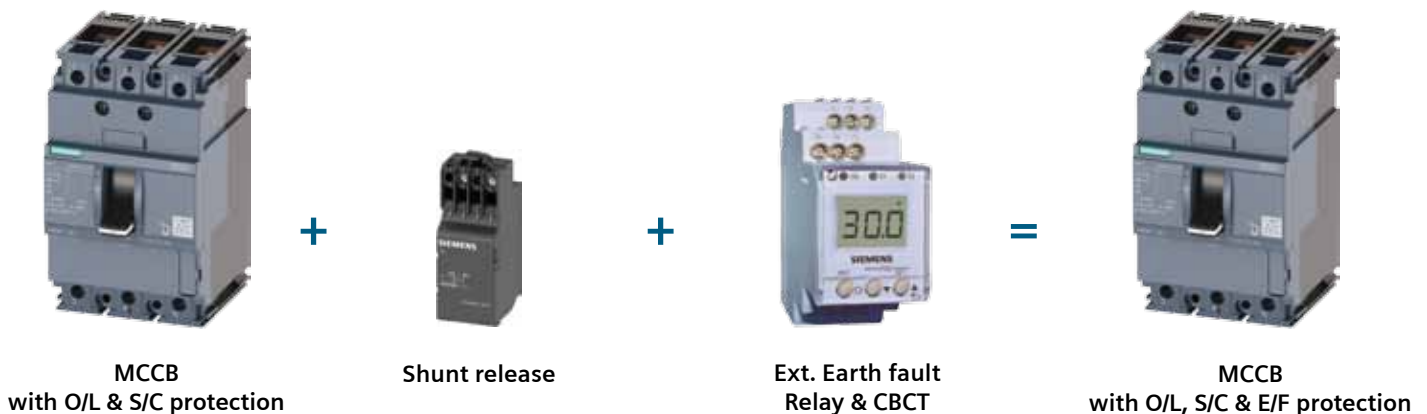
**Earth fault monitoring relay**

- 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 • Auxiliary voltage: 85-270V AC/DC • Change over contact: 2C/O • Width: 35mm module	7UG0861-1BU20	3910.-	
CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A	3P	7UG09910	1400.-
	4P	7UG09911	1595.-
CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A	3P	7UG09912	1695.-
	4P	7UG09913	1995.-
CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A	3P	7UG09914	2495.-
	4P	7UG09915	2695.-

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 LP* ₹	3VA2 100A / 160A / 250A 3VA2 400A/ 630A/ 800A/ 1000A	Unit LP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA9988-0AA12 (1 C/O)	1465.-	3VA9988-0AA12 (1 C/O)	1465.-
Alarm switch (TAS)	3VA9988-0AB12 (1 C/O)	2260.-	3VA9988-0AB12 (1 C/O)	2260.-
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	3460.-	3VA9908-0BB24	3460.-
208-230 V AC 50/60 Hz	3VA9908-0BB25	3460.-	3VA9908-0BB25	3460.-
380-400 V AC 50/60 Hz	3VA9908-0BB26	3460.-	3VA9908-0BB26	3460.-
Shunt release flexible (STF)				
110-127 V AC 50/60 HZ	3VA9988-0BA22	2600.-	3VA9988-0BA22	2600.-
208-277 V AC 50/60 HZ	3VA9988-0BA23	2600.-	3VA9988-0BA23	2600.-
380-500 V AC 50/60 HZ	3VA9988-0BA24	2600.-	3VA9988-0BA24	2600.-
Shunt release left (STL) for 3VA2 800A / 1000A <b>NEW</b>				
110-127 V AC 50/60 HZ			3VA9988-0BL32	2600.-
208-277 V AC 50/60 HZ			3VA9988-0BL33	2600.-
380-500 V AC 50/60 HZ			3VA9988-0BL20	2600.-
Extended Door Mounted Rotary Operator (including 8UC handle) <sup>1)</sup>	3VA9157-0FK51 (for 3VA10/ 11 100A/160A)	2115.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	2220.-
	3VA9257-0FK51 (for 3VA12 250A)	2220.-	3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)	3700.-
Extended Door Mounted Rotary Operator <sup>^</sup> <b>NEW</b>			3VA9687-0FK21 (for 3VA25 800A/ 1000A)	7475.-
Illuminated - Door mounted rotary operator 24V DC	3VA9157-0FK23 (for 3VA10/ 11 100A/160A)	4465.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	4905.-
	3VA9257-0FK23 (for 3VA12 250A)	4905.-	3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A)	6235.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. (for 3VA10/ 11 100A/160A)	3615.-	8UC60701YQ.. (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	3615.-
	8UC60701YQ.. (for 3VA12 250A)	3615.-	8UC60701YQ.. (for 3VA23/ 24 400A/ 630A)	3615.-
Sliding Bar Interlock (for same size breakers with Toggle Lever)	3VA9158-0VF30 (for 3VA10/ 11 100A/160A)	4465.-	3VA9168-0VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	4905.-
	3VA9258-0VF30 (for 3VA12 250A)	4630.-	3VA9368-0VF30 (for 3VA23/ 24 400A/ 630A)	5225.-
Locking device for breaker with Toggle lever	3VA9088-0LB10	1365.-	3VA9388-0LB10 (for 3VA23/ 24 400A/ 630A)	1795.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA9157-0HA20 (for 3VA11 160A)	14980.-	3VA9267-0HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	19600.-
	3VA9257-0HA20 (for 3VA12 250A)	19600.-	3VA9467-0HA20 (for 3VA23/ 24 400A/ 630A)	23145.-
Spreader links - Broadened (with phase barriers)	3VA9153-0QC00 (for 3pole, 3VA10/ 11 100A/ 160A)	1860.-	3VA9263-0QC00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	1955.-
	3VA9154-0QC00 (for 4pole, 3VA10/ 11 100A/ 160A)	2400.-	3VA9264-0QC00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	2620.-
	3VA9253-0QC00 (for 3pole, 3VA12 250A)	1905.-	3VA9483-0QC00 (for 3pole, 3VA23/ 24 400A/ 630A)	2320.-
	3VA9254-0QC00 (for 4pole, 3VA12 250A)	2535.-	3VA9484-0QC00 (for 4pole, 3VA23/ 24 400A/ 630A)	3080.-
Busbar extensions (with phase barriers) <b>NEW</b>			3VA9603-0QB00 (for 3pole, 3VA25 800A/ 1000A)	4110.-
			3VA9604-0QB00 (for 4pole, 3VA25 800A/ 1000A)	5490.-
Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)	3VA9113-0QE00 (for 3pole, 3VA10/ 11 100A/ 160A)	1530.-	3VA9203-0QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	1955.-
	3VA9114-0QE00 (for 4pole, 3VA10/ 11 100A/ 160A)	2070.-	3VA9204-0QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A)	2620.-
	3VA9213-0QE00 (for 3pole, 3VA12 250A)	1960.-	3VA9403-0QE00 (for 3pole, 3VA23/ 24 400A/ 630A)	3175.-
	3VA9214-0QE00 (for 4pole, 3VA12 250A)	2620.-	3VA9404-0QE00 (for 4pole, 3VA23/ 24 400A/ 630A)	4230.-
Phase Barriers <b>NEW</b> (1 set = 2 phase barriers)	3VA9152-0WA00 (for 3VA10/ 11 100A/ 160A)	290.-	3VA9262-0WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A)	290.-
	3VA9252-0WA00 (for 3VA12 250A)	290.-	3VA9482-0WA00 (for 3VA23/ 24 400A/ 630A)	685.-
			3VA9602-0WA00 (for 3VA25 800A/ 1000A)	690.-



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

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

For side mounted handles please contact our nearest Sales Office.

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

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

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

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

Std. Pkg. = 1 unit

\* LP - List Price

## 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....	238545.-	301300.-	157535.-	236250.-
	800	3WL1108....	241160.-	307235.-	162385.-	242285.-
	1000	3WL1110....	247540.-	328535.-	178235.-	255895.-
	1250	3WL1112....	299800.-	379125.-	219290.-	312450.-
	1600	3WL1116....	330610.-	416530.-	232100.-	336600.-
II	2000	3WL1220....	357240.-	472720.-	240615.-	350465.-
	2500	3WL1225....	419810.-	539000.-	255800.-	404035.-
	3200	3WL1232....	544105.-	747260.-	364640.-	613735.-
	4000	3WL1240....	626025.-	794850.-	496455.-	672675.-
III	5000	3WL1350....	983820.-	1248235.-	878260.-	1152855.-
	6300	3WL1363....	1322645.-	1662070.-	1146560.-	1511865.-

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	17215.-
Protection function LSIN with Current display	7470.-
Protection function LSING with Current display	24675.-

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	63245.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	63245.-

Motorized mechanism with other control voltages are available on request

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

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

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

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

Please consult your nearest sales office for complete ordering code.

### Add on options (Factory fitted)

Description	Add LP* ₹
Spring Charge Signal Switch	5455.-
Door Interlock	4625.-
Position Signal Switch for Withdrawable Breaker	11965.-
Castell lock mounting kit*	3895.-
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 LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WL9111-0AD01-0AA0	10475.-
	110	110	3WL9111-0AD05-0AA0	10475.-
	230	220	3WL9111-0AD06-0AA0	10475.-
Under Voltage Release (Instantaneous)	380-415	-	3WL9111-0AE06-0AA0	11575.-
Motorised Operating Mechanism	-	24-30	3WL9111-0AF01-0AA0	57910.-
	110-127	110-125	3WL9111-0AF03-0AA0	57910.-
	208-240	220-250	3WL9111-0AF04-0AA0	57910.-
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0	6135.-
Castell Lock	-	-	3WX3663-6JEL_ \$	3215.-

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

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

Std. Pkg. = 1 unit

\* LP - List Price



**SIEMENS**

*Ingenuity for life*



# 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

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



# 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	175515.-	3WT8065-6AA04-5AB2	228175.-	
		EDO	3WT8061-6UA34-5AB2	227020.-	3WT8065-6UA34-5AB2	279680.-	
	● 800	MDO	3WT8081-6AA04-5AB2	185230.-	3WT8085-6AA04-5AB2	242480.-	
		EDO	3WT8081-6UA34-5AB2	236735.-	3WT8085-6UA34-5AB2	293985.-	
	1000	MDO	3WT8101-6AA04-5AB2	190255.-	3WT8105-6AA04-5AB2	246795.-	
		EDO	3WT8101-6UA34-5AB2	241760.-	3WT8105-6UA34-5AB2	298300.-	
	● 1250	MDO	3WT8121-6AA04-5AB2	233695.-	3WT8125-6AA04-5AB2	277815.-	
		EDO	3WT8121-6UA34-5AB2	285200.-	3WT8125-6UA34-5AB2	329320.-	
	● 1600	MDO	3WT8161-6AA04-5AB2	250815.-	3WT8165-6AA04-5AB2	303625.-	
		EDO	3WT8161-6UA34-5AB2	302320.-	3WT8165-6UA34-5AB2	355130.-	
	II	● 2000	MDO	3WT8202-6AA04-5AB2	315135.-	3WT8206-6AA04-5AB2	387855.-
			EDO	3WT8202-6UA34-5AB2	366640.-	3WT8206-6UA34-5AB2	439360.-
● 2500		MDO	3WT8252-6AA04-5AB2	356960.-	3WT8256-6AA04-5AB2	453810.-	
		EDO	3WT8252-6UA34-5AB2	408465.-	3WT8256-6UA34-5AB2	505315.-	
● 3200		MDO	3WT8322-6AA04-5AB2	457635.-	3WT8326-6AA04-5AB2	561525.-	
		EDO	3WT8322-6UA34-5AB2	509140.-	3WT8326-6UA34-5AB2	613030.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2315.-



Reduce

2315.-

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	128975.-	3WT8065-6AA00-0AA2	174500.-	
		EF	3WT8061-6UA30-0AA2	180480.-	3WT8065-6UA30-0AA2	226005.-	
	● 800	MF	3WT8081-6AA00-0AA2	139225.-	3WT8085-6AA00-0AA2	191565.-	
		EF	3WT8081-6UA30-0AA2	190730.-	3WT8085-6UA30-0AA2	243070.-	
	1000	MF	3WT8101-6AA00-0AA2	141920.-	3WT8105-6AA00-0AA2	202930.-	
		EF	3WT8101-6UA30-0AA2	193425.-	3WT8105-6UA30-0AA2	254435.-	
	● 1250	MF	3WT8121-6AA00-0AA2	193045.-	3WT8125-6AA00-0AA2	228280.-	
		EF	3WT8121-6UA30-0AA2	244550.-	3WT8125-6UA30-0AA2	279785.-	
	● 1600	MF	3WT8161-6AA00-0AA2	197110.-	3WT8165-6AA00-0AA2	244525.-	
		EF	3WT8161-6UA30-0AA2	248615.-	3WT8165-6UA30-0AA2	296030.-	
	II	● 2000	MF	3WT8202-6AA00-0AA2	221680.-	3WT8206-6AA00-0AA2	318220.-
			EF	3WT8202-6UA30-0AA2	273185.-	3WT8206-6UA30-0AA2	369725.-
● 2500		MF	3WT8252-6AA00-0AA2	250225.-	3WT8256-6AA00-0AA2	373620.-	
		EF	3WT8252-6UA30-0AA2	301730.-	3WT8256-6UA30-0AA2	425125.-	
● 3200		MF	3WT8322-6AA00-0AA2	380985.-	3WT8326-6AA00-0AA2	469200.-	
		EF	3WT8322-6UA30-0AA2	432490.-	3WT8326-6UA30-0AA2	520705.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



Reduce

2315.-



Reduce

2315.-

For Non-Automatic ACBs please deduct ₹ 5260/- 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 - ₹ 23,330/-

Std. Pkg. = 1 unit

\* LP - List Price

## 3WT Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00	54250.-
	220-240	220-250	3WT9831-1JK00	54250.-
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WT9851-1JB00	3835.-
	110-127	110-125	3WT9851-1JH00	3835.-
	220-240	220-250	3WT9851-1JK00	3835.-
Under Voltage Release Instantaneous	110-127	110-125	3WT9853-1JH00	4830.-
	208-240	220-250	3WT9853-1JK00	4830.-
	380-415	-	3WT9853-1JM00	4830.-
Auxiliary Terminal Block	Fixed circuit breaker		3WT9825-1JC00	3385.-
	Drawout circuit breaker		3WT9827-1JA00	3385.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	1920.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	10500.-
5 digit operating cycle counter			3WT9864-0CA00	7875.-
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	7500.-
			3WT9867-2JA00	7500.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	5480.-
Castell Lock			3WX3663-6JEL_#	3215.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-0JA00	2040.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	16300.-
	Size II		3WL9111-0AA22-0AA0	18940.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	17885.-
	Size II		3WL9111-0AA32-0AA0	20530.-

\* 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	51875.-	1
Connection cable 3KC ATC3100 to MCCBs / ACBs	3KC9000-8EL62	10490.-	1
ATC 5300	3KC9000-8TL30	82175.-	1
SENTRON SOFTWARE ATC (For ATC5300)	3KC9000-8TL70	59375.-	1

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

Std. Pkg. = 1 unit

\* LP - List Price

# SIEMENS

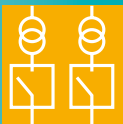
*Ingenuity for life*



## 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

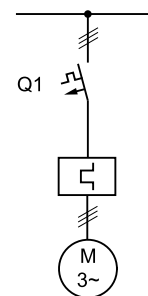
Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit LP* ₹	Type	Unit LP* ₹	
40	3VT1704-2DA36-0AA0	7150.-	3VT1704-2EA46-0AA0	9655.-	1
63	3VT1706-2DA36-0AA0	7150.-	3VT1706-2EA46-0AA0	9655.-	1
80	3VT1708-2DA36-0AA0	7150.-	3VT1708-2EA46-0AA0	9655.-	1
100	3VT1710-2DA36-0AA0	7150.-	3VT1710-2EA46-0AA0	9655.-	1
125	3VT1712-2DA36-0AA0	9460.-	3VT1712-2EA46-0AA0	13085.-	1
160	3VT1716-2DA36-0AA0	12925.-	3VT1716-2EA46-0AA0	16365.-	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 LP* ₹	Type	Unit LP* ₹	
16	3VT1701-2DC36-0AA0	7850.-	3VT1701-2EC46-0AA0	11840.-	1
25	3VT1792-2DC36-0AA0	7850.-	3VT1792-2EC46-0AA0	11840.-	1
32	3VT1703-2DC36-0AA0	7850.-	3VT1703-2EC46-0AA0	11840.-	1
40	3VT1704-2DC36-0AA0	7850.-	3VT1704-2EC46-0AA0	11840.-	1
63	3VT1706-2DC36-0AA0	7850.-	3VT1706-2EC46-0AA0	11840.-	1
80	3VT1708-2DC36-0AA0	7850.-	3VT1708-2EC46-0AA0	11840.-	1
100	3VT1710-2DC36-0AA0	7850.-	3VT1710-2EC46-0AA0	11840.-	1
125	3VT1712-2DC36-0AA0	10140.-	3VT1712-2EC46-0AA0	13865.-	1
160	3VT1716-2DC36-0AA0	13950.-	3VT1716-2EC46-0AA0	17755.-	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 LP* ₹	Std. pkg. (nos.)
16	3VT1701-2DM36-0AA0	7725.-	1
20	3VT1702-2DM36-0AA0	7725.-	1
25	3VT1792-2DM36-0AA0	7725.-	1
32	3VT1703-2DM36-0AA0	7725.-	1
40	3VT1704-2DM36-0AA0	7725.-	1
50	3VT1705-2DM36-0AA0	7725.-	1
63	3VT1706-2DM36-0AA0	7725.-	1
80	3VT1708-2DM36-0AA0	7725.-	1
100	3VT1710-2DM36-0AA0	7725.-	1



## Switch disconnecter

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit LP* ₹	Type	Unit LP* ₹	
160	3VT1716-2DE36-0AA0	10970.-	3VT1716-2EE46-0AA0	13820.-	1

Std. Pkg. = 1 unit

\* LP - List 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	7600.-	3VT2725-2AA46-0AA0	11815.-	1
3VT3		630	3VT3763-2AA36-0AA0	18560.-	3VT3763-2AA46-0AA0	26145.-	1
3VT2	65 kA	250	3VT2725-3AA36-0AA0	9490.-	3VT2725-3AA46-0AA0	14730.-	1
3VT3		630	3VT3763-3AA36-0AA0	21270.-	3VT3763-3AA46-0AA0	28230.-	1
3VT4		1000	3VT4710-3AA30-0AA0	34025.-			1
3VT5	55 kA	1600	3VT5716-3AA30-0AA0	51045.-			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	6620.-	1
	200	3VT9220-6AB00	9925.-	1
	250	3VT9225-6AB00	15730.-	1
3VT3	315	3VT9331-6AB00	13245.-	1
	400	3VT9340-6AB00	14075.-	1
	630	3VT9363-6AB00	19040.-	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	7870.-	1
	160	3VT9216-6AP00	8280.-	1
	250	3VT9225-6AP00	17385.-	1
3VT3	400	3VT9340-6AP00	17385.-	1
	630	3VT9363-6AP00	21530.-	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	5845.-	1
	160	3VT9216-6AC00	8200.-	1
	250	3VT9225-6AC00	17340.-	1
3VT3	250	3VT9325-6AC00	14980.-	1
	400	3VT9340-6AC00	14980.-	1
	630	3VT9363-6AC00	19705.-	1
3VT4	800	3VT9480-6AC00	16400.-	1
	1000	3VT9410-6AC00	51655.-	1
3VT5	1250	3VT9512-6AC00	55945.-	1
	1600	3VT9516-6AC00	94680.-	1

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

Frame size	Rated current I <sub>n</sub> (A)	Type	Unit LP* ₹	Std. pkg. (nos.)
3VT2	250	3VT9225-6DT00	4145.-	1
3VT3	630	3VT9363-6DT00	6620.-	1
3VT4	1000	3VT9410-6DT00	23475.-	1
3VT5	1600	3VT9516-6DT00	31305.-	1

### Benefits of interchangeable trip units

- Suitable for various applications
- Easy upgradation at site

Note: The ordering of the microprocessor based MCCB would involve

## Main switching unit + Trip unit



Main switching unit



Trip unit



Complete unit

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

Std. Pkg. = 1 unit

\* LP - List Price

## Accessories for 3VT1...5

Accessory		3VT1 Type	Unit LP* ₹	3VT2 Type	Unit LP* ₹	3VT3 Type	Unit LP* ₹	3VT4/5 Type	Unit LP* ₹	
Auxiliary Switch		3VT9100-2AB10 (Changeover Switch)	1205.-	3VT9300-2AF10 (1NO+1NC)	1870.-	3VT9300-2AF10 (1NO+1NC)	1870.-	3VT9500-2AF10 (2NO+2NC)	3100.-	
				3VT9300-2AC10 (1NO)	940.-	3VT9300-2AC10 (1NO)	940.-			
Alarm Switch		3VT9100-2AH10 (Changeover Switch)	1205.-	3VT9300-2AD10 (1NC)	940.-	3VT9300-2AD10 (1NC)	940.-			
Shunt Release		AC 230V/ DC 220V	3VT9100-1SE00@	1630.-	3VT9300-1SE00\$	2115.-	3VT9300-1SE00\$	2115.-	3VT9500-1SJ00	2335.-
		AC/DC 110V	3VT9100-1SD00	1630.-	3VT9300-1SD00	2115.-	3VT9300-1SD00	2115.-	3VT9500-1SH00	2335.-
Under-voltage Release		AC 230V/ DC 220V	3VT9100-1UE00^	2010.-	3VT9300-1UE00\$	2565.-	3VT9300-1UE00\$	2565.-	3VT9500-1UJ00	2535.-
Spreader Links <sup>8</sup>		one set = 3 links (3 pole)	3VT9100-4ED30	555.-	3VT9200-4ED30-ORCO	705.-	3VT9300-4ED30-ORCO	950.-		
		4 pole spreaders (one set = 4 links + 3 phase barriers)	3VT9100-4ED40-ORCO	720.-	3VT9200-4ED40-ORCO	940.-	3VT9300-4ED40-ORCO	1225.-		
Motorised Drive		AC 230 V/ DC 220 V	3VT9100-3ME00#	7105.-	3VT9200-3MQ00	23265.-	3VT9300-3MQ00	24175.-	3VT9500-3MQ00	45325.-
		Extension cable <sup>3</sup> for motorized operating mechanism, 12 wires, length 60 cm	3VT9100-3MF00	1335.-	3VT9300-3MF00	1335.-	3VT9300-3MF00	1335.-		
Phase Barriers		One set = 2 Pcs.	3VT9100-8CE30	505.-	3VT9300-8CE30	705.-	3VT9300-8CE30	705.-	3VT9500-8CE30	775.-
Panel door mounted rotary operating handles <sup>2</sup>		1 set **	3VT9100-3HQ00	1600.-	3VT9200-3HQ00	2025.-	3VT9300-3HQ00	2185.-	3VT9500-3HQ00	4645.-
Castell Interlock Kit <sup>1</sup>		1 set (1 lock + 1 key)	8UC60700YQ..	3615.-	8UC60701YQ..	3615.-	8UC60701YQ..	3615.-	8UC60702YQ..	3710.-

Description	Type	Unit LP* ₹
Earth fault monitoring relay	7UG0861-1BU20	3910.-
CBCT for EFR: 160 frame	7UG09910	1400.-
Suitable for 3VT1	7UG09911	1595.-
CBCT for EFR: 250 frame	7UG09912	1695.-
Suitable for 3VT2	7UG09913	1995.-
CBCT for EFR: 630 frame	7UG09914	2495.-
Suitable for 3VT3	7UG09915	2695.-

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  
\* LP - List Price

A large, industrial-grade Siemens SIVACON switchboard is shown from a low-angle perspective. The unit is dark grey with a prominent vertical 'SIVACON' logo on the left side. The top of the unit features several 'SIEMENS SIVACON' labels and circuit breaker handles. The background is a clear blue sky.

**SIEMENS**

*Ingenuity for life*

SIVACON

## When it comes to safety, nothing beats SIVACON

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

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

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

#### **Benefits**

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

#### **Features**

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

SIVACON

Technology  
Partner

**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	10865.-	3VL1796-1EH46-0AA0	14180.-	1
	20	3VL1702-1DA36-0AA0	10865.-	3VL1702-1EH46-0AA0	14180.-	1
	32	3VL1703-1DA36-0AA0	10865.-	3VL1703-1EH46-0AA0	14180.-	1
	63	3VL1706-1DA36-0AA0	10865.-	3VL1706-1EH46-0AA0	14180.-	1
	100	3VL1710-1DA36-0AA0	11365.-	3VL1710-1EH46-0AA0	14815.-	1
	125	3VL1712-1DA36-0AA0	15980.-	3VL1712-1EH46-0AA0	18690.-	1
	160	3VL1716-1DA36-0AA0	19895.-	3VL1716-1EH46-0AA0	23660.-	1

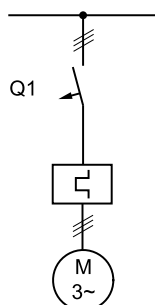
3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

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	15515.-	3VL1702-1EA46-0AA0#	20685.-	1
	32	3VL1703-1DD36-0AA0	15515.-	3VL1703-1EA46-0AA0#	20685.-	1
	63	3VL1706-1DD36-0AA0	15515.-	3VL2706-1EM46-0AA0	20685.-	1
	100	3VL1710-1DD36-0AA0	16225.-	3VL2710-1EM46-0AA0	21635.-	1
	125	3VL1712-1DD36-0AA0	18540.-	3VL2712-1EM46-0AA0	23560.-	1
	160	3VL1716-1DD36-0AA0	23280.-	3VL2716-1EM46-0AA0	30470.-	1
VL 250	200	3VL3720-1DC36-0AA0	32515.-	3VL3720-1EM46-0AA0	45365.-	1
	250	3VL3725-1DC36-0AA0	35270.-	3VL3725-1EM46-0AA0	45365.-	1
VL 400	315	3VL4731-1DC36-0AA0	46575.-	3VL4731-1EM46-0AA0	56835.-	1
	400	3VL4740-1DC36-0AA0	46575.-	3VL4740-1EM46-0AA0	56835.-	1
VL 630	500	3VL5750-1DC36-0AA0	53310.-	3VL5750-1EM46-0AA0	63390.-	1
	630	3VL5763-1DC36-0AA0	53310.-	3VL5763-1EM46-0AA0	63390.-	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	24845.-	3VL1702-2EA46-0AA0#	31695.-	1
	32	3VL1703-2DD36-0AA0	24845.-	3VL1703-2EA46-0AA0#	31695.-	1
	63	3VL1706-2DD36-0AA0	24845.-	3VL2706-2EM46-0AA0	31695.-	1
	100	3VL1710-2DD36-0AA0	24845.-	3VL2710-2EM46-0AA0	31695.-	1
	125	3VL1712-2DD36-0AA0	35410.-	3VL2712-2EM46-0AA0	46120.-	1
	160	3VL1716-2DD36-0AA0	36950.-	3VL2716-2EM46-0AA0	47365.-	1
VL 250	200	3VL3720-2DC36-0AA0	40055.-	3VL3720-2EM46-0AA0	54490.-	1
	250	3VL3725-2DC36-0AA0	43595.-	3VL3725-2EM46-0AA0	54490.-	1
VL 400	315	3VL4731-2DC36-0AA0	46800.-	3VL4731-2EM46-0AA0	60840.-	1
	400	3VL4740-2DC36-0AA0	46800.-	3VL4740-2EM46-0AA0	60840.-	1
VL 630	500	3VL5750-2DC36-0AA0	58585.-	3VL5750-2EM46-0AA0	76765.-	1
	630	3VL5763-2DC36-0AA0	58585.-	3VL5763-2EM46-0AA0	76765.-	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	18735.-	3VL2706-2DK36-0AA0	23355.-	1
	100 A	3VL2710-1DK36-0AA0	18735.-	3VL2710-2DK36-0AA0	23355.-	1
	160 A	3VL2716-1DK36-0AA0	28230.-	3VL2716-2DK36-0AA0	36220.-	1
VL250	250 A	3VL3725-1DK36-0AA0	37965.-	3VL3725-2DK36-0AA0	43100.-	1
VL400	315 A	3VL4731-1DK36-0AA0	44540.-	3VL4731-2DK36-0AA0	46475.-	1
VL630	500 A	3VL5750-1DK36-0AA0	51290.-	3VL5750-2DK36-0AA0	53580.-	1

# Fixed overload & fixed short circuit with neutral protection

Std. Pkg. = 1 unit

\* LP - List Price



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

Frame size	Rated current (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL 160	63	3VL2706-1SB36-0AA0	28690.-	3VL2706-1TA46-0AA0	37415.-	1
	100	3VL2710-1SB36-0AA0	28690.-	3VL2710-1TA46-0AA0	37415.-	1
	160	3VL2716-1SB36-0AA0	36415.-	3VL2716-1TA46-0AA0	50260.-	1
VL 250	200	3VL3720-1SB36-0AA0	48470.-	3VL3720-1TA46-0AA0	62240.-	1
	250	3VL3725-1SB36-0AA0	48470.-	3VL3725-1TA46-0AA0	62240.-	1
VL 400	315	3VL4731-1SB36-0AA0	52510.-	3VL4731-1TA46-0AA0	69505.-	1
	400	3VL4740-1SB36-0AA0	52510.-	3VL4740-1TA46-0AA0	69505.-	1
VL 630	630	3VL5763-1SB36-0AA0	59015.-	3VL5763-1TA46-0AA0	93430.-	1
VL 800	800	3VL6780-1SB36-0AA0	83080.-	3VL6780-1TA46-0AA0	118300.-	1
VL 1250	1000	3VL7710-1SB36-0AA0	113780.-	3VL7710-1TA46-0AA0	174685.-	1
	1250	3VL7712-1SB36-0AA0	145975.-	3VL7712-1TA46-0AA0	224010.-	1
VL 1600	1600	3VL8716-1SB30-0AA0	193800.-	3VL8716-1TA40-0AA0	263010.-	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	34420.-	3VL2706-2TA46-0AA0	42645.-	1
	100	3VL2710-2SB36-0AA0	34420.-	3VL2710-2TA46-0AA0	42645.-	1
	160	3VL2716-2SB36-0AA0	45140.-	3VL2716-2TA46-0AA0	57620.-	1
VL 250	200	3VL3720-2SB36-0AA0	50125.-	3VL3720-2TA46-0AA0	73000.-	1
	250	3VL3725-2SB36-0AA0	50125.-	3VL3725-2TA46-0AA0	73000.-	1
VL 400	315	3VL4731-2SB36-0AA0	54980.-	3VL4731-2TA46-0AA0	83800.-	1
	400	3VL4740-2SB36-0AA0	54980.-	3VL4740-2TA46-0AA0	83800.-	1
VL 630	630	3VL5763-2SB36-0AA0	65350.-	3VL5763-2TA46-0AA0	104025.-	1
VL 800	800	3VL6780-2SB36-0AA0	98670.-	3VL6780-2TA46-0AA0	129620.-	1
VL 1250	1000	3VL7710-2SB36-0AA0	151025.-	3VL7710-2TA46-0AA0	222745.-	1
	1250	3VL7712-2SB36-0AA0	178695.-	3VL7712-2TA46-0AA0	250430.-	1
VL 1600	1600	3VL8716-2SB30-0AA0	216465.-	3VL8716-2TA40-0AA0	264875.-	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	34640.-	3VL2706-1TN46-0AA0	43945.-	1
	100	3VL2710-1SL36-0AA0	34640.-	3VL2710-1TN46-0AA0	43945.-	1
	160	3VL2716-1SL36-0AA0	42665.-	3VL2716-1TN46-0AA0	57260.-	1
VL 250	200	3VL3720-1SL36-0AA0	58815.-	3VL3720-1TN46-0AA0	73660.-	1
	250	3VL3725-1SL36-0AA0	58815.-	3VL3725-1TN46-0AA0	73660.-	1
VL 400	315	3VL4731-1SL36-0AA0	63465.-	3VL4731-1TN46-0AA0	82775.-	1
	400	3VL4740-1SL36-0AA0	63465.-	3VL4740-1TN46-0AA0	82775.-	1
VL 630	630	3VL5763-1SL36-0AA0	68895.-	3VL5763-1TN46-0AA0	102675.-	1
VL 800	800	3VL6780-1SL36-0AA0	94315.-	3VL6780-1TN46-0AA0	128990.-	1
VL 1250	1000	3VL7710-1SL36-0AA0	124800.-	3VL7710-1TN46-0AA0	185660.-	1
	1250	3VL7712-1SL36-0AA0	155835.-	3VL7712-1TN46-0AA0	233195.-	1
VL 1600	1600	3VL8716-1SL30-0AA0	201920.-	3VL8716-1TN40-0AA0	270795.-	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	40590.-	3VL2706-2TN46-0AA0	49370.-	1
	100	3VL2710-2SL36-0AA0	40590.-	3VL2710-2TN46-0AA0	49370.-	1
	160	3VL2716-2SL36-0AA0	51720.-	3VL2716-2TN46-0AA0	75455.-	1
VL 250	200	3VL3720-2SL36-0AA0	60555.-	3VL3720-2TN46-0AA0	84970.-	1
	250	3VL3725-2SL36-0AA0	60555.-	3VL3725-2TN46-0AA0	84970.-	1
VL 400	315	3VL4731-2SL36-0AA0	67465.-	3VL4731-2TN46-0AA0	97235.-	1
	400	3VL4740-2SL36-0AA0	67465.-	3VL4740-2TN46-0AA0	97235.-	1
VL 630	630	3VL5763-2SL36-0AA0	75005.-	3VL5763-2TN46-0AA0	112905.-	1
VL 800	800	3VL6780-2SL36-0AA0	109355.-	3VL6780-2TN46-0AA0	139900.-	1
VL 1250	1000	3VL7710-2SL36-0AA0	160690.-	3VL7710-2TN46-0AA0	232680.-	1
	1250	3VL7712-2SL36-0AA0	187360.-	3VL7712-2TN46-0AA0	258665.-	1
VL 1600	1600	3VL8716-2SL30-0AA0	223735.-	3VL8716-2TN40-0AA0	285325.-	1

L: Overload protection

I: Short circuit protection

G: Ground fault protection

Std. Pkg. = 1 unit

\* LP - List Price

3VL MCCB, Magnetic trip unit (for short circuit protection), Icu = 55kA, 415V AC, 50Hz

Frame size	Rated current I <sub>n</sub> (A)	3 pole		4 pole		Std. pkg. (nos.)
		Type	Unit LP* ₹	Type	Unit LP* ₹	
VL400	400	3VL4740-1DE36-0AA0	37985.-	3VL4740-1EE46-0AA0	46475.-	1
VL630	630	3VL5763-1DE36-0AA0	42515.-	3VL5763-1EE46-0AA0	49355.-	1
VL800	800	3VL6780-1DE36-0AA0	67640.-	3VL6780-1EE46-0AA0	81180.-	1
VL1250	1250	3VL7712-1DE36-0AA0	112765.-	3VL7712-1EE46-0AA0	171665.-	1
VL1600	1600	3VL8716-1DE30-0AA0	180430.-	3VL8716-1EE40-0AA0	228265.-	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	43055.-	3VL4740-2EE46-0AA0	52075.-	1
VL630	630	3VL5763-2DE36-0AA0	49205.-	3VL5763-2EE46-0AA0	60410.-	1
VL800	800	3VL6780-2DE36-0AA0	81330.-	3VL6780-2EE46-0AA0	108530.-	1
VL1250	1250	3VL7712-2DE36-0AA0	147190.-	3VL7712-2EE46-0AA0	183165.-	1
VL1600	1600	3VL8716-2DE30-0AA0	186575.-	3VL8716-2EE40-0AA0	235105.-	1

## Accessories for 3VL

Frame	VL 160 X / VL 160 / VL 250 / VL 400		VL 630 / VL 800 / VL 1250 / VL 1600		Std. pkg. (nos.)
	Accessory	Type	Unit LP* ₹	Type	
Auxiliary switch	3VL9400-2AB00 (1NO + 1NC)	1775.-	3VL9800-2AC00 (2NO + 2NC)	3255.-	1
Auxiliary switch + Alarm switch	3VL9400-2AD00 (1NO + 1NC & 1NO)	2730.-	3VL9800-2AE00 (1NO + 1NC & 1NO)	3785.-	1
Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC	3VL9400-1UG00	4180.-	3VL9800-1UG00	4950.-	1
	3VL9400-1UH00	4180.-	3VL9800-1UH00	4950.-	1
	3VL9400-1UJ00	4180.-	3VL9800-1UJ00	4950.-	1
	3VL9400-1UR00	4180.-	3VL9800-1UR00	4950.-	1
Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC	3VL9400-1SC00	3145.-	3VL9800-1SC00	4185.-	1
	3VL9400-1SK00	3145.-	3VL9800-1SK00	4185.-	1
	3VL9400-1SR00	3145.-	3VL9800-1SR00	4185.-	1
	3VL9400-1ST00	3145.-	3VL9800-1ST00	4185.-	1
Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility)	3VL9.00-3HQ00 ↓ 1 (For VL 160X)	2510.-	3VL9600-3HQ00 (VL630-VL800)	4105.-	1
	3 (For VL 160/250)	2540.-	3VL9800-3HF05 (VL1250-VL1600)	9325.-	1
	4 (For VL 400)	3390.-			
Castell interlock kit* (To interlock two or more circuit breakers)	8UC6070-1YQ.. (For VL160X/VL160/VL250)	3615.-	8UC6070-2YQ.. (For VL630/VL800)	3710.-	1
	8UC6070-2YQ.. (For VL400)	3710.-			
Motorised drive (Motorised operator-MO) 230-250V AC/DC	3VL9.00-3ME10 ↓ 1 (For VL160X)	18115.-	Factory fitted assembly with MCCB for VL630/800 with Z option Z-M23 (MCCB prices additional)	26070.-	1
	3 (For VL160/250)	19565.-			
	4 (For VL 400)	22460.-			
Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC	3VL9.00-3MQ00 ↓ 3 (For VL160X/VL160/VL250)	30100.-	3VL9.00-3MQ00 ↓ 6 (For VL630-VL800)	50885.-	1
	4 (For VL 400)	40490.-	8 (For VL1250-VL1600)	59745.-	1
Spreader links (with phase barriers)	3VL9216-4ED30 (VL160X/VL160-3P)	1165.-	3VL9500-4ED30 (VL630-3P)	1865.-	1
	3VL9216-4ED40 (VL160X/VL160-4P)	1425.-	3VL9500-4ED40 <sup>55</sup> (VL630-4P)	2270.-	1
	3VL9300-4ED30 (VL250-3P)	1550.-	3VL9600-4ED30 (VL800-3P)	2270.-	1
	3VL9300-4ED40 (VL250-4P)	1995.-	3VL9600-4ED40 <sup>55</sup> (VL800-4P)	2825.-	1
	3VL9400-4ED30 (VL400-3P)	1705.-	NA (for VL1250 / VL1600)		
	3VL9400-4ED40 (VL400-4P)	2145.-			

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

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

NA - Not Available

Std. Pkg. = 1 unit

\* LP - List Price



**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

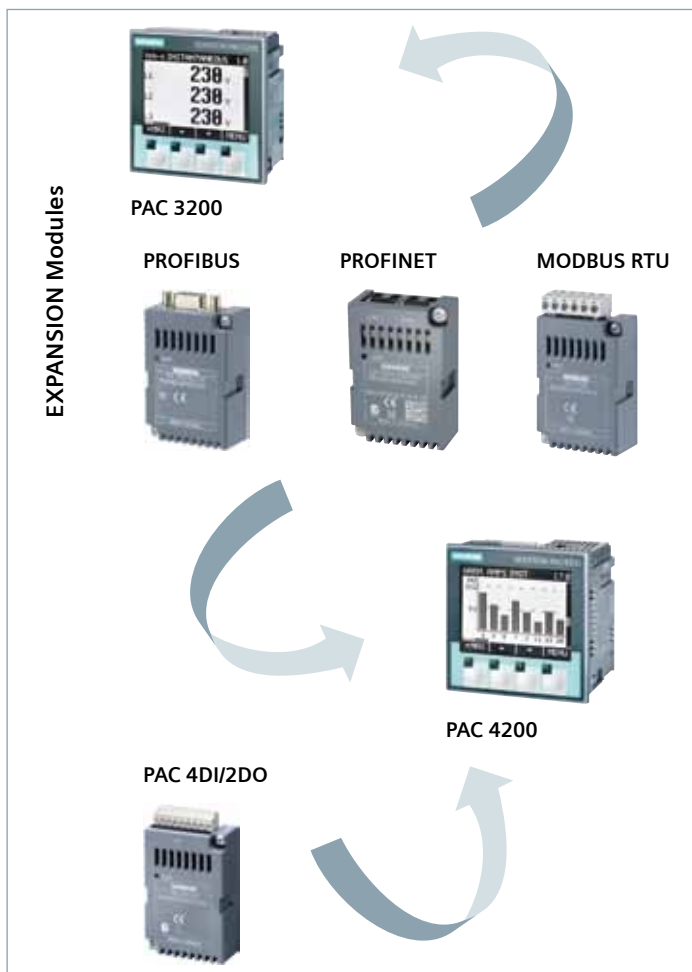
Description	Type	Unit LP* ₹
<b>PAC 3100</b> with integrated RS 485 port for MODBUS RTU Class 1 accuracy, screw terminals AC/DC wide voltage power supply 110...240V AC ±10%, 50/60Hz, 110...250V DC ±10%	7KM3133-0BA00-3AA0	24525.-
<b>PAC 3200</b> with integrated ethernet port for MODBUS TCP Class 0.5s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10%	7KM2112-0BA00-3AA0#	39710.-
<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	11400.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	9010.-
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* ₹
SENTRON powermanager: Complete Energy Management Software	Upon Enquiry

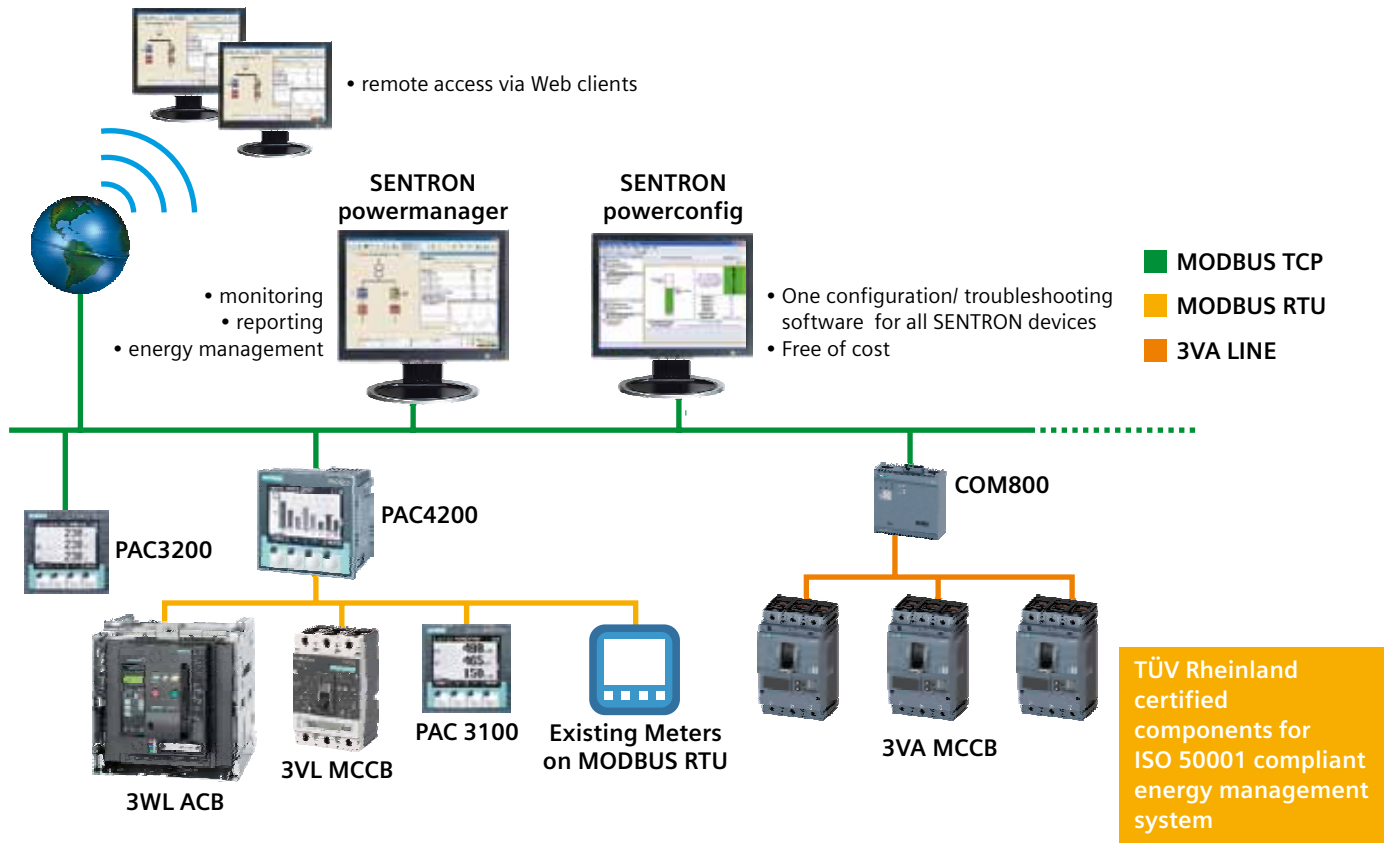
Std. Pkg. = 1 unit

\* LP - List Price





# Single Platform Energy Management Solution for LV power distribution



Energy Management System



## Professional Solution for Power Quality Measurement

SETRON 7KM PAC 5100/5200

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

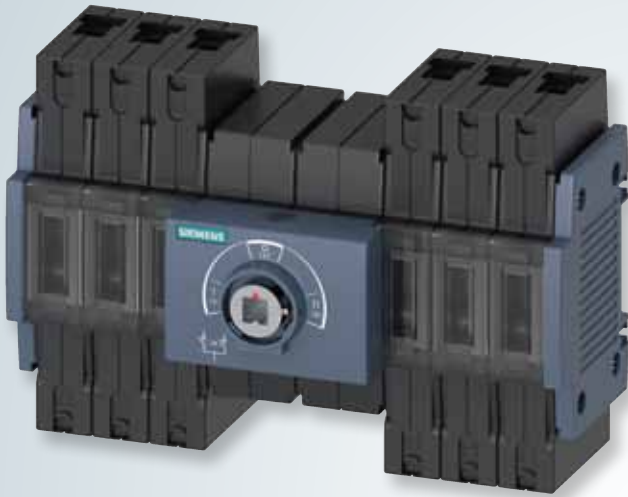
- Measured value capture in accordance with power quality standard IEC 61000-4-30
- Recording of power quality anomalies like sag, swell and interruption

- Integrated web server to set parameters and display measured values on HTML pages

For more details, contact your nearest Siemens partner.

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**NEW**

SENTRON

# 3KC (MTSE) Manual Transfer Switching Equipment

End-to-end safety for user and systems

Confirms to IEC 60947-6-1 & 60947-3

Manual Transfer Switching Equipment (MTSE) up to 1600A

3/4 pole version

Wide range of accessories

[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	4750.-
160 160	00 / 000 00 / 000	Flat connector Box terminal	3NP1133-1CA10 3NP1133-1CA20	4945.- 5930.-
250 250	1 and 00 1 and 00	Flat connector Box terminal	3NP1143-1DA10 3NP1143-1DA20	14415.- 16965.-
400	2 and 1	Flat connector	3NP1153-1DA10	19795.-
630	3 and 2	Flat connector	3NP1163-1DA10	26610.-

### 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	6645.-
160 160	00 / 000 00 / 000	Flat connector Box terminal	3NP1133-1BB10 3NP1133-1BB20	7525.- 8015.-

### 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	16975.-
250	1 and 00	Flat Terminals	3NP1143-1DA11	25820.-
400	2 and 1	Flat Terminals	3NP1153-1DA11	30885.-
630	3 and 2	Flat Terminals	3NP1163-1DA11	37415.-

### 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	965.-
00	3NP1930-1FA00	965.-
1	3NP1940-1FA00	1055.-
2	3NP1940-1FA00	1055.-
3	3NP1940-1FA00	1055.-

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

2) Box type terminal variants available

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

# Superswitch 3KL/3KA

- Wide range : Upto 800A in SDF and 1600A in SDs
- Available in DP,TP,TPN & TPSN variants
- Suitable for isolation as per IS/IEC 60947
- Unique positive off indication
- Suitable for AC23 Duty
- Roller contacts with high operating life
- IP65 handle with door interlock
- Wide range of accessories
- Suitable for power distribution as well as motor protection



DP



TP



TPN



TPSN

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

Rated Current I <sub>e</sub> @ 690V 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
100A	3KL8211-2TA00	5470.-	1
125A	3KL8221-2TA00	6950.-	1
160A	3KL8231-2TA00	7225.-	1
200A	3KL8311-2UA00	9105.-	1
250A	3KL8321-2UA00	10920.-	1
315A	3KL8331-2UA00	13915.-	1
400A <sup>5</sup>	3KL8341-2UA00	16590.-	1
500A	3KL8411-2UA00	22840.-	1
630A	3KL8421-2UA00	26785.-	1
800A <sup>5</sup>	3KL8431-2UA00	30910.-	1

## 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	2020.-	1
32A	3KL8121-1TA00	2050.-	1
63A	3KL8151-1TA00	2925.-	1
100A	3KL8211-1TA00	5720.-	1
125A	3KL8221-1TA00	7095.-	1
160A	3KL8231-1TA00	8005.-	1
200A	3KL8311-1UA00	10955.-	1
250A	3KL8321-1UA00	13005.-	1
315A	3KL8331-1UA00	16070.-	1
400A <sup>5</sup>	3KL8341-1UA00	19355.-	1
500A	3KL8411-1UA00	29730.-	1
630A	3KL8421-1UA00	31105.-	1
800A <sup>5</sup>	3KL8431-1UA00	33700.-	1

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

Rated current I <sub>e</sub> @ 690V AC 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	SDF suitable for BS type HRC Fuses	Unit MRP* ₹	SDF suitable for cylindrical type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-5TA00	2035.-	3KL8111-5TJ00	1970.-	3KL8111-5TC00	2005.-	1
32A	3KL8121-5TA00	2090.-	3KL8121-5TJ00	2040.-	3KL8121-5TC00	2065.-	1
63A	3KL8151-5TA00	2950.-	3KL8151-5TJ00	2850.-	3KL8151-5TC00	2870.-	1
100A	3KL8211-5TA00	5880.-	3KL8211-5TJ00	5770.-	-	-	1
125A	3KL8221-5TA00	7690.-	3KL8221-5TJ00	7585.-	-	-	1
160A	3KL8231-5TA00	8390.-	3KL8231-5TJ00	8280.-	-	-	1
200A	3KL8311-5UA00	11015.-	3KL8311-5UJ00	11130.-	-	-	1
250A	3KL8321-5UA00	13080.-	3KL8321-5UJ00	13190.-	-	-	1
315A	3KL8331-5UA00	16165.-	3KL8331-5UJ00	16275.-	-	-	1
400A <sup>5</sup>	3KL8341-5UA00	19480.-	3KL8341-5UJ00	19585.-	-	-	1
500A	3KL8411-5UA00	30190.-	3KL8411-5UJ00	30305.-	-	-	1
630A	3KL8421-5UA00	31305.-	3KL8421-5UJ00	31400.-	-	-	1
800A <sup>5</sup>	3KL8431-5UA00	33915.-	3KL8431-5UJ00	34025.-	-	-	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	12505.-	1
250A	3KL8321-4UA00	14570.-	1
315A	3KL8331-4UA00	17995.-	1
400A <sup>5</sup>	3KL8341-4UA00	21690.-	1
500A	3KL8411-4UA00	33620.-	1
630A	3KL8421-4UA00	34850.-	1
800A <sup>5</sup>	3KL8431-4UA00	37770.-	1

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

^ TPN is 3 Pole with neutral link

# 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 MRP's are without fuses

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

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

# Superswitch 3KL/3KA

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

Rated current I <sub>n</sub> @ 690V AC, 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	SDF suitable for BS type HRC Fuses	Unit MRP* ₹	SDF suitable for cylindrical type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL81113TA00	2260.-	3KL81113TJ00	2190.-	3KL81113TC00	2225.-	1
32A	3KL81213TA00	2320.-	3KL81213TJ00	2265.-	3KL81213TC00	2295.-	1
63A	3KL81513TA00	3275.-	3KL81513TJ00	3165.-	3KL81513TC00	3190.-	1
100A	3KL82113TA00	6535.-	3KL82113TJ00	6410.-			1
125A	3KL82213TA00	8545.-	3KL82213TJ00	8430.-			1
160A	3KL82313TA00	9320.-	3KL82313TJ00	9200.-			1
200A	3KL83113UA00	11910.-	3KL83113UJ00	12030.-			1
250A	3KL83213UA00	14140.-	3KL83213UJ00	14260.-			1
315A	3KL83313UA00	17475.-	3KL83313UJ00	17595.-			1
400A\$	3KL83413UA00	21060.-	3KL83413UJ00	21175.-			1
500A	3KL84113UA00	32640.-	3KL84113UJ00	32760.-			1
630A	3KL84213UA00	33845.-	3KL84213UJ00	33945.-			1
800A\$	3KL84313UA00	36665.-	3KL84313UJ00	36785.-			1

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	4720.-	1
	BS	3KL8111-3TJ10	4645.-	1
32A	DIN	3KL8121-3TA10	4850.-	1
	BS	3KL8121-3TJ10	4795.-	1
63A	DIN	3KL8151-3TA10	5760.-	1
	BS	3KL8151-3TJ10	5635.-	1
100A	DIN	3KL8211-3TA10	9475.-	1
	BS	3KL8211-3TJ10	9345.-	1
125A	DIN	3KL8221-3TA10	11240.-	1
	BS	3KL8221-3TJ10	11130.-	1
160A	DIN	3KL8231-3TA10	12055.-	1
	BS	3KL8231-3TJ10	11940.-	1
200A	DIN	3KL8311-3UA10	15910.-	1
	BS	3KL8311-3UJ10	16025.-	1
250A	DIN	3KL8321-3UA10	18205.-	1
	BS	3KL8321-3UJ10	18330.-	1
315A	DIN	3KL8331-3UA10	21655.-	1
	BS	3KL8331-3UJ10	21775.-	1
400A <sup>5</sup>	DIN	3KL8341-3UA10	25185.-	1
	BS	3KL8341-3UJ10	25295.-	1
500A	DIN	3KL8411-3UA10	38110.-	1
	BS	3KL8411-3UJ10	38230.-	1
630A	DIN	3KL8421-3UA10	40470.-	1
	BS	3KL8421-3UJ10	40590.-	1
800A <sup>5</sup>	DIN	3KL8431-3UA10	43450.-	1
	BS	3KL8431-3UJ10	43570.-	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	3435.-	1
100A	3KA8211-3TE00	5880.-	1
125A	3KA8221-3TE00	7345.-	1
160A	3KA8231-3TE00	7395.-	1
200A	3KA8311-3UE00	9975.-	1
250A	3KA8321-3UE00	12725.-	1
400A	3KA8341-3UE00	18750.-	1
630A	3KA8351-3UE00	27415.-	1
800A	3KA843□-3UE00	30660.-	1
1000A <sup>6</sup>	3KA844□-3UE00	36580.-	1
1250A <sup>6</sup>	3KA845□-3UE00	49690.-	1
1600A <sup>6</sup>	3KA846□-3UE00	63435.-	1

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

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

1) SS Stands for Sheet Steel

SS Enclosures are supplied without gland plates as standard

3) TPN is 3 Pole with isolable neutral

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

@ Rating AC21 at 500V, 50Hz

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

All SDF Unit MRP's are without fuses

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

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

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



Current rating	Type	Unit MRP* ₹	Std. pkg. (nos.)
20A- 80A	3KX8155-4AC	2250.-	1
100A-160A	3KX8235-4AC	2630.-	1
200A-400A	3KX8345-4AC	3500.-	1
500A-800A	3KX8435-4AC <sup>5</sup>	5740.-	1

Please note: SDF/SD to be ordered separately.

<sup>5</sup> For applications above 800A, recommended to be used along with gland box 3KX8435-4DC



## Accessories for Superswitch 3KL8/3KA8

Description	3KL811/12/15 3KA815	Unit MRP* ₹	3KL821/22/23 3KA821/22/23	Unit MRP* ₹	3KL831/32/33/34 3KA831/32/34/35	Unit MRP* ₹	3KL841/42/43 3KA843/44/45/46	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	280.-	3KX8230-0AC	400.-	3KX8340-0AC	585.-	3KX8430-0AC	825.-	1
Terminal Cover (1 set)	-		3KX8231-0AC	335.-	3KX8341-0AC	645.-	3KX8431-0AC	750.-	1
Isolable Neutral cover	-		3KX8232-0AC	170.-	3KX8342-0AC	275.-	3KX8432-0AC	335.-	1
Phase Barrier <sup>§</sup>	3KX8153-0AC	120.-	3KX8233-0AC	120.-	3KX8343-0AC	165.-	3KX8433-0AC	215.-	1
Auxiliary Switch (1NO+1NC)	3SB5400-0A	155.-	3KX3522-1YC	515.-	3KX3552-1YC	620.-	3KX3582-1YC	750.-	1
Auxiliary Switch (2NO+2NC)	-		3KX3522-1YD	925.-	3KX3552-1YD	1340.-	3KX3582-1YD	1450.-	1
Auxiliary switch cover	3KX8154-0AC	55.-	3KX8234-0AC	55.-	-		-		1
Front Drive (Handle)	8UC616	690.-	8UC626	780.-	8UC6314-1BB00	1180.-	8UC6414-1BB00	1725.-	1
Operating shaft (300mm)	8UC6031	2005.-	8UC6032	230.-	8UC6034	3440.-	8UC6034	3440.-	1
Add on Switched 4th Pole	3KX8155-5AC	1275.-	3KX3528-1YN	1330.-	-		-		1
Add-on Isolable neutral	3KX8125-6AC (3KL811/ 3KL812)	245.-	3KX8225-6AC (3KL821/822) (3KA821/822)	355.-	3KX8315-6AC (3KL831) (3KA831)	650.-	3KX8425-6AC (3KL841/42) (3KA835)	1030.-	1
					3KX8335-6AC (3KL832/3) (3KA832)	650.-	3KX8435-6AC (3KL843) (3KA843/4/5/6)	1275.-	1
	3KX8155-6AC (3KL815/3KA815)	245.-	3KX8235-6AC (3KL823) (3KA823)	395.-	3KX8345-6AC (3KL834)(3KA834)	840.-			1
Castell interlock <sup>1^</sup>	8UC6070-0YQ..	3615.-	8UC6070-1YQ..	3615.-	8UC6070-2YQ..	3710.-	8UC6070-2YQ..	3710.-	1
Key interlock	-		-		3KX3588-1YP(.) <sup>#</sup>	1680.-	3KX3588-1YP(.) <sup>#</sup>	1680.-	1
Depth setting template	8UC6046	125.-	8UC6046	125.-	8UC6046	125.-	8UC6046	125.-	1
DIN Rail mounting kit	3KX8155-3AC	1370.-	-		-		-		1
Fuse Monitor	3VU1340-1MS00	3730.-	3VU1340-1MS00	3730.-	3VU1340-1MS00	3730.-	3VU1340-1MS00	3730.-	1
Adapter Plate to replace old 3KL with 3KL8	3KX8155-1AC	375.-	-		-		-		1
Fuse safety Barrier	3KX81501AC	85.-	3KX82301AC	120.-	-		-		1
Gland box <sup>@</sup> <b>NEW</b>	3KX8235-4DC	3135.-	3KX8235-4DC	3135.-	3KX8345-4DC	4335.-	3KX8435-4DC	6380.-	1
Gland plate (1 no.) <b>NEW</b>	3KX8235-4GC	645.-	3KX8235-4GC	645.-	3KX8345-4GC	815.-	3KX8435-4GC	960.-	1

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

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

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

@ Gland box includes one gland plate.

## Fuse selection guide for Superswitch

Rated current in (A)	SDF type	DIN fuse size	DIN fuse type	BS fuse size	BS fuse type	NFC fuse size
20A	3KL8111	00/000	3NA78	A2	TSA/TIA	14X51
32A	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	TSL5	-

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

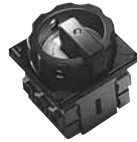
# Main control and EMERGENCY STOP switches 3LD

- 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□	2025.-
	25	9.5	3LD2103-0TK5□	2235.-
	32	11.5	3LD2203-0TK5□	2495.-
	63	22	3LD2504-0TK5□	4270.-
	100	37	3LD2704-0TK5□	6475.-
	125	45	3LD2804-0TK5□	8250.-
	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□	1805.-
	25	9.5	3LD2122-0TK1□	1980.-
	32	11.5	3LD2222-0TK1□	2400.-

□ - 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	4425.-
	32	11.5	3LD2223-7UK01	4845.-
	63	22	3LD2524-7UK01	8015.-
	100	37	3LD2724-7UK01	14905.-
	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□	2880.-
	25	9.5	3LD2164-0TB5□	3125.-
	32	11.5	3LD2264-0TB5□	3715.-
	63	22	3LD2565-0TB5□	6150.-
	100	37	3LD2766-0TB5□	13970.-
	125	45	3LD2866-0TB5□	25290.-

□ - 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□	3235.-
	25	9.5	3LD2113-0TK5□	3595.-
	32	11.5	3LD2213-0TK5□	3965.-
	63	22	3LD2514-0TK5□	4755.-
	100	37	3LD2714-0TK5□	7810.-
	125	45	3LD2814-0TK5□	9755.-
	160	75	3LD2318-0TK1□	Upon enquiry
	250	132	3LD2418-0TK1□	Upon enquiry

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

\* LP - List Price

Std. Pkg. = 1 unit

## Accessories for 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	890.-	1
		3LD25	3LD9250-0BA	1310.-	1
		3LD27 and 3LD28	3LD9280-0B	1625.-	1
	N or PE terminal Continuous	3LD20	3LD9200-2B	595.-	1
		3LD21 and 3LD22	3LD9220-2B	680.-	1
		3LD25	3LD9250-2BA	895.-	1
		3LD27 and 3LD28	3LD9280-2B	1090.-	1
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5B	990.-	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	890.-
3LD25			3LD9250-0CA	1310.-	1
3LD27 and 3LD28			3LD9280-0C	1625.-	1
N or PE terminal Continuous		3LD20	3LD9200-2C	810.-	1
		3LD21 and 3LD22	3LD9220-2C	680.-	1
		3LD25	3LD9250-2CA	895.-	1
		3LD27 and 3LD28	3LD9280-2C	1090.-	1
Auxiliary switches For mounting on left and/or right 1NO+1NC		3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9200-5C	940.-	1
Terminal cover for touch protection can be snapped on at top & bottom for front and floor mounting		4 pole	3LD20	3LD9201-1A	305.-
	3 pole	3LD21 and 3LD22	3LD9221-0A	280.-	4
	3 pole	3LD25	3LD9251-0A	315.-	4
	1 pole	3LD27 and 3LD28	3LD9281-2A	150.-	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	1600.-	10
		30	■ 3LA0601-1YB	3715.-	5
	System selector	5.5	■ 3LA0202-1YA	1825.-	10
		30	3LA0602-1YB	5205.-	5
	Reversing	5.5	■ 3LA0203-1YA	1825.-	10
		30	■ 3LA0603-1YB	5205.-	5
	Star-delta	12	3LA0204-5YA	2575.-	10
		30	3LA0604-1YB	7080.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	1825.-	10
			3LA0205-1YA	2460.-	10
5.5		3LA0205-3YA	3530.-	10	
In sheet steel housing	On/Off	7.5	■ 3LA0221-1YA	2165.-	1
		30	■ 3LA0621-1YB	5595.-	1
	System selector	5.5	3LA0222-1YA	2510.-	1
	Reversing	5.5	■ 3LA0223-1YA	2970.-	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	265.-	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	65.-	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	1095.-	10
	63	52	3LA0605-1YB	2630.-	5
4	25	16	■ 3LA0205-5YA	1825.-	10
	63	52	■ 3LA0605-2YB	4805.-	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	550.-	10
		■ 3ST1 400-1AH08	670.-	10
Ammeter selector	0-L1-L2-L3	■ 3ST1 400-2RQ08	1000.-	10
Voltmeter selector	0-L1L2-L2L3-L3L1	■ 3ST1 400-1RK08	705.-	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

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## Betagard 5SL5 DC Circuit Breaker

The new 5SL5 DC circuit breaker from Siemens conforms to IS/IEC 60947-2 and is available in 1P & 2P variants for 220V/440V DC applications





**Key features :**

- Terminal covers for protection
- Patented SLR feature
- Magnetic tripping,  $I_i = 13xI_n$
- Enhanced mechanical and electrical endurance
- Comprehensive accessories
- Uniform bus-bar concept in line with Betagard MCBs



# 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<sup>&</sup>
- 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	5SL42057RC	1/6	
	1		--	5SL62017RC	--	1/6	
	2		--	5SL62027RC	5SL42027RC	1/6	
	3		--	5SL62037RC	5SL42037RC	1/6	
	4		--	5SL62047RC	5SL42047RC	1/6	
	6		5SL62066RC	5SL62067RC	5SL42067RC	1/6	
	8		--	5SL62087RC	5SL42087RC	1/6	
	10		5SL62106RC	5SL62107RC	5SL42107RC	1/6	
	13		--	5SL62137RC	5SL42137RC	1/6	
	16		5SL62166RC	5SL62167RC	5SL42167RC	1/6	
	20		5SL62206RC	5SL62207RC	5SL42207RC	1/6	
	25		5SL62256RC	5SL62257RC	5SL42257RC	1/6	
	32		5SL62326RC	5SL62327RC	5SL42327RC	1/6	
	40		5SL62406RC	5SL62407RC	5SL42407RC	1/6	
	50		5SL62506RC	5SL62507RC	5SL42507RC	1/6	
	63		5SL62636RC	5SL62637RC	5SL42637RC	1/6	
	0.5	3	--	5SL63057RC	5SL43057RC	1/4	
	1		--	5SL63017RC	--	1/4	
	2		--	5SL63027RC	5SL43027RC	1/4	
	3		--	--	5SL43037RC	1/4	
	4		--	5SL63047RC	5SL43047RC	1/4	
	6		5SL63066RC	5SL63067RC	5SL43067RC	1/4	
	8		--	--	5SL43087RC	1/4	
	10		5SL63106RC	5SL63107RC	5SL43107RC	1/4	
	13		--	--	5SL43137RC	1/4	
	16		5SL63166RC	5SL63167RC	5SL43167RC	1/4	
	20		5SL63206RC	5SL63207RC	5SL43207RC	1/4	
	25		5SL63256RC	5SL63257RC	5SL43257RC	1/4	
	32		5SL63326RC	5SL63327RC	5SL43327RC	1/4	
	40		5SL63406RC	5SL63407RC	5SL43407RC	1/4	
	50		5SL63506RC	5SL63507RC	5SL43507RC	1/4	
	63		5SL63636RC	5SL63637RC	5SL43637RC	1/4	
	0.5	4	--	5SL64057RC	5SL44057RC	1/3	
	1		--	5SL64017RC	--	1/3	
	2		--	5SL64027RC	5SL44027RC	1/3	
	3		--	--	5SL44037RC	1/3	
	4		--	5SL64047RC	5SL44047RC	1/3	
	6		5SL64066RC	5SL64067RC	5SL44067RC	1/3	
	8		--	--	5SL44087RC	1/3	
	10		5SL64106RC	5SL64107RC	5SL44107RC	1/3	
	13		--	--	5SL44137RC	1/3	
	16		5SL64166RC	5SL64167RC	5SL44167RC	1/3	
	20		5SL64206RC	5SL64207RC	5SL44207RC	1/3	
	25		5SL64256RC	5SL64257RC	5SL44257RC	1/3	
	32		5SL64326RC	5SL64327RC	5SL44327RC	1/3	
	40		5SL64406RC	5SL64407RC	5SL44407RC	1/3	
	50		5SL64506RC	5SL64507RC	5SL44507RC	1/3	
	63		5SL64636RC	5SL64637RC	5SL44637RC	1/3	

# 1 MW (Module Width) = 18 mm & subject to application specific circuit connections. Kindly contact nearest sales office  
Refer latest Electrical Installations from A to Z MRP for prices





# 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

## 5SL5 Circuit Breakers

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

	Rated current I <sub>n</sub> (A)	MW <sup>#</sup>	15000A		10000A		Std. Pkg. (Nos)
			Characteristic D, AC CBs		Characteristic C, DC CBs <b>NEW</b>		
	0.5	1	1P, 230/400V AC	5SY71058CC	1P, 220V DC	5SL51057RC	1/12
	1			5SY71018CC		5SL51017RC	1/12
	2			5SY71028CC		5SL51027RC	1/12
	3			5SY71038CC			1/12
	4			5SY71048CC		5SL51047RC	1/12
	6			5SY71068CC		5SL51067RC	1/12
	8			5SY71088CC			1/12
	10			5SY71108CC		5SL51107RC	1/12
	13			5SY71138CC			1/12
	16			5SY71168CC		5SL51167RC	1/12
	20			5SY71208CC		5SL51207RC	1/12
	25			5SY71258CC		5SL51257RC	1/12
	32			5SY71328CC		5SL51327RC	1/12
	40			5SY71408CC		5SL51407RC	1/12
	50			5SY71508CC		5SL51507RC	1/12
63	5SY71638CC	5SL51637RC	1/12				
	0.5	2	2P, 400V AC	5SY72058CC	2P, 440V DC	5SL52057RC	1/6
	1			5SY72018CC		5SL52017RC	1/6
	2			5SY72028CC		5SL52027RC	1/6
	3			5SY72038CC			1/6
	4			5SY72048CC		5SL52047RC	1/6
	6			5SY72068CC		5SL52067RC	1/6
	8			5SY72088CC			1/6
	10			5SY72108CC		5SL52107RC	1/6
	13			5SY72138CC			1/6
	16			5SY72168CC		5SL52167RC	1/6
	20			5SY72208CC		5SL52207RC	1/6
	25			5SY72258CC		5SL52257RC	1/6
	32			5SY72328CC		5SL52327RC	1/6
	40			5SY72408CC		5SL52407RC	1/6
	50			5SY72508CC		5SL52507RC	1/6
63	5SY72638CC	5SL52637RC	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





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## 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	325.-	1/6	
	4	3NA78040RC	325.-	1/6	
	6	3NA78010RC	325.-	1/6	
	10	3NA78030RC	325.-	1/6	
	16	3NA78050RC	330.-	1/6	
	20	3NA78070RC	330.-	1/6	
	25	3NA78100RC	330.-	1/6	
	32	3NA78120RC	330.-	1/6	
	40	3NA78170RC	355.-	1/6	
	50	3NA78200RC	355.-	1/6	
	63	3NA78220RC	390.-	1/6	
	80	3NA78240RC	420.-	1/6	
	100	3NA78300RC	420.-	1/6	
00	125	3NA78320RC	515.-	1/6	
	160	3NA78360RC	540.-	1/6	
	1	50	3NA71200RC	700.-	1/3
		63	3NA71220RC	700.-	1/3
		80	3NA71240RC	700.-	1/3
100		3NA71300RC	700.-	1/3	
125	3NA71320RC	725.-	1/3		
160	3NA71360RC	750.-	1/3		
200	3NA71400RC	750.-	1/3		
224	3NA71420RC	780.-	1/3		
250	3NA71440RC	845.-	1/3		
2	200	3NA72400RC	1040.-	1/3	
	250	3NA72440RC	1075.-	1/3	
	315	3NA72520RC	1120.-	1/3	
	400*	3NA72600RC	1120.-	1/3	
3	315	3NA33520RC	1590.-	1/3	
	400	3NA33600RC	1590.-	1/3	
	500	3NA33650RC	1780.-	1/3	
	630	3NA33720RC	1815.-	1/3	
	800*	3NA33754RC	2210.-	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	435.-	1/6
	50	3NA78206RC	435.-	1/6
	63	3NA78226RC	465.-	1/6
	80	3NA78246RC	490.-	1/6
	100	3NA78306RC	490.-	1/6
1	125	3NA71326RC	850.-	1/3
	160	3NA71366RC	880.-	1/3
	200	3NA71406RC	880.-	1/3
2	250	3NA72446RC	1170.-	1/3
	315	3NA72526RC	1250.-	1/3
3	400	3NA33606RC	1870.-	1/3
	425	3NA33626RC	1870.-	1/3
	500	3NA33656RC	1990.-	1/3

### Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
00	160	■ 3NG1000	330.-	1
1	250	■ 3NG1250	495.-	1
2	400	■ 3NG1300	805.-	1
3	630	■ 3NG1400	840.-	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)	400.-	1/10
00	160	3NA7 8	■ 3NH3032-0RC (Plug-in connection at both ends)	420.-	1/10
1	250	3NA7 1	■ 3NH3230-0RC	790.-	1/5
2	400	3NA7 2	■ 3NH3330-0RC	1140.-	1/5
3	630	3NA3 3	■ 3NH3430-0RC	1610.-	1/5
3	800	3NA3 3	■ 3NH3430-4RC	1940.-	1/5

### Fuse puller

Description	Type	MRP* ₹	Std. pkg.** (nos.)
Suitable for 3KL8/3KT8 and all sizes of fuse links/isolating links	■ 3NX1011	1645.-	1
Suitable only for fuse links and isolating links	3NX1010	820.-	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	■ 3NWNS2	77.-	20
4	■ 3NWNS4	77.-	20
6	■ 3NWNS6	77.-	20
10	■ 3NWNS10	77.-	20
16	■ 3NWNS16	77.-	20
20	■ 3NWNS20	90.-	20
25	■ 3NWNS25	90.-	20
32	3NWNS32	90.-	20

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	110.-	20
4	3NWTIA4	110.-	20
6	3NWTIA6	110.-	20
10	■ 3NWTIA10	110.-	20
16	■ 3NWTIA16	110.-	20
20	■ 3NWTIA20	110.-	20
25	■ 3NWTIA25	110.-	20
32	■ 3NWTIA32	110.-	20
40	3NWTIS40	170.-	20
50	■ 3NWTIS50	170.-	20
63	■ 3NWTIS63	170.-	20
80	3NWTCP80	440.-	10
100	■ 3NWTCP100	440.-	10
125	3NWTFP125	670.-	5
160	3NWTFP160	670.-	5
200	3NWTFP200	670.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTC80	470.-	10
100	3NWTC100	470.-	10
125	3NWTf125	730.-	5
160	3NWTf160	730.-	5
200	3NWTf200	730.-	5
250	3NWTkf250	1045.-	1
315	3NWTkf315	1045.-	1
355	3NWTmf355	1445.-	1
400	3NWTmf400	1445.-	1
500	3NWTtm500	2270.-	1
630	3NWTtm630	3000.-	1
710	3NWTlm710	3420.-	1
800	3NWTlm800	3420.-	1

## 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	185.-	20
40	3NWTSS40	185.-	20
50	3NWTSS50	185.-	20
63	3NWTSS63	185.-	20
80	3NWTSDS80	270.-	20
100	3NWTSDS100	270.-	20
125	3NWTSP125	435.-	5
160	3NWTSP160	435.-	5
200	3NWTSP200	435.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTSDC80	325.-	10
100	3NWTSDC100	325.-	10
125	3NWTsf125	440.-	5
160	3NWTsf160	440.-	5
200	3NWTsf200	440.-	5
250	3NWTsk250	790.-	1
315	3NWTsk315	790.-	1
355	3NWTsms355	1320.-	1
400	3NWTsms400	1320.-	1
450	3NWTst5450	1345.-	1
500	3NWTst5500	1345.-	1
560	3NWTsl5560	2175.-	1
630	3NWTsl5630	2175.-	1
800	3NWTsl800	3145.-	1

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWCm32F9	1320.-	10
63	3NWCm63F9	1550.-	10
100	3NWCm100F9	1705.-	10

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	160.-	10
32	■ 3NW32NNSF	200.-	10
32A (Iso. Link)	■ 3NW32NNSL	90.-	10

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

■ Stock items

\* MRP - Maximum Retail Price

Please order in multiples of standard packing.



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

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



## 3NE4 type

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
1000	32	■ 3NE4101	gR	0	1600.-	1
	40	■ 3NE4102	gR	0	1605.-	1
	50	■ 3NE4117	gR	0	1685.-	1
	80	■ 3NE4120	aR	0	1820.-	1
	100	■ 3NE4121	aR	0	1995.-	1
	125	■ 3NE4122	aR	0	2145.-	1
	160	■ 3NE4124	aR	0	2360.-	1
800	250	■ 3NE43276	aR	-	4775.-	1
	315	■ 3NE43306	aR	-	4925.-	1
	450	■ 3NE43336	aR	-	5155.-	1
	500	■ 3NE43346	aR	-	5195.-	1
	710	■ 3NE43376	aR	-	5650.-	1

## 3NE9 type 600 V AC

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
850	3NE94406	gR	-	18785.-	3
1250	3NE9450	aR	-	17705.-	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	3130.-	3
35	3NE80031	gR	00	3130.-	3
50	3NE80171	gR	00	3130.-	3
63	3NE80181	gR	00	3130.-	3
80	3NE80201	aR	00	3480.-	3
100	3NE80211	aR	00	3640.-	3
125	3NE80221	aR	00	3695.-	3
160	3NE80241	aR	00	4055.-	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	3695.-	3
20	3NE18140	gS	000	3695.-	3
25	3NE18150	gS	000	3695.-	3
35	3NE18030	gS	000	3695.-	3
40	3NE18020	gS	000	3695.-	3
50	3NE18170	gS	000	3695.-	3
63	3NE18180	gS	000	3695.-	3
80	3NE18200	gS	000	3695.-	3
100	3NE10210	gS	00	5035.-	3
125	3NE10220	gS	00	5035.-	3
160	3NE12240	gS	1	12210.-	3
200	3NE12250	gS	1	12210.-	3
250	3NE12270	gS	1	12820.-	3
315	3NE12300	gS	1	13745.-	3
350	3NE13310	gS	2	17070.-	3
400	3NE13320	gS	2	17220.-	3
450	3NE13330	gS	2	17325.-	3
500	3NE13340	gS	2	17590.-	3
560	3NE14350	gS	3	17680.-	3
630	3NE14360	gS	3	18450.-	3
710	3NE14370	gS	3	19185.-	3
800	3NE14380	gS	3	22475.-	3

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



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

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

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

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

■ Stock items

\* LP - List Price

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

# 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	8770.-	3
125	3NE3222	aR	1	9020.-	3
160	3NE3224	aR	1	9020.-	3
200	3NE3225	aR	1	9170.-	3
250	3NE3227	aR	1	9410.-	3
315	3NE32300B	aR	1	9795.-	3
350	3NE3231	aR	1	11635.-	3
400	3NE32320B	aR	1	12465.-	3
450	3NE3233	aR	1	12905.-	3
400	3NE33320B	aR	2	12580.-	3
450	3NE3333	aR	2	13245.-	3
500	3NE33340B	aR	2	13495.-	3
560	3NE3335	aR	2	14005.-	3
630	3NE3336	aR	2	14670.-	3
710 <sup>^</sup>	3NE33378	aR	2	21760.-	3
800 <sup>^</sup>	3NE33388	aR	2	22360.-	3
900 <sup>^</sup>	3NE33408	aR	2	26635.-	3
100	3NE34210C	aR	3	17850.-	3
224	3NE36260C	aR	3	17945.-	3
315	3NE34300C	aR	3	19200.-	3
400	3NE34320C	aR	3	20325.-	3
450	3NE36350C	aR	3	21565.-	3
500	3NE34340C	aR	3	25805.-	3
630	3NE36360C	aR	3	29855.-	3
710	3NE36370C	aR	3	30950.-	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	17810.-	3
200	3NC84253C	gR	3	12420.-	3
250	3NC84273C	gR	3	14215.-	3
350	3NC84313C	gR	3	14655.-	3
500	3NC84343C	gR	3	15835.-	3
1000	3NC84443C	aR	3	28770.-	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	26700.-	2
224	3NE54260C	aR	3	29210.-	2
250	3NE56270C	aR	3	27095.-	3
315	3NE54300C	aR	3	27900.-	2
350	3NE54310C	aR	3	26085.-	2
450	3NE56330C	aR	3	29390.-	3
600	3NE56430C	aR	3	30825.-	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.**

# 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	3RT2037	65	3RU2136-4QB0	47 ... 57
37	65	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	78	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4RB0	70 ... 80
55	96	3KL823	160	3NA78360RC	160	3RT1054	115	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	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	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



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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 disconnector: 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

### Switch disconnector fuse: 3KT8 \$ for power distribution (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.)
32A	3KT81213TA00	2290.-	3KT81213TJ00	2230.-	3KT81213TC00	2270.-	1
50A	3KT81413TA00	2920.-	3KT81413TJ00	2810.-	3KT81413TC00	2690.-	1
80A	3KT81613TA00	5135.-	3KT81613TJ00	5020.-			1
100A	3KT82113TA00	6475.-	3KT82113TJ00	6370.-			1
125A	3KT82213TA00	8485.-	3KT82213TJ00	8365.-			1
160A	3KT82313TA00	9260.-	3KT82313TJ00	9145.-			1
200A	3KT83113UA00	11840.-	3KT83113UJ00	11955.-			1
250A	3KT83213UA00	14050.-	3KT83213UJ00	14165.-			1
315A	3KT83313UA00	17360.-	3KT83313UJ00	17475.-			1
400A	3KT83413UA00	20930.-	3KT83413UJ00	21045.-			1
500A	3KT84113UA00	32295.-	3KT84113UJ00	32410.-			1
630A	3KT84213UA00	33655.-	3KT84213UJ00	33765.-			1
800A	3KT84313UA00	36470.-	3KT84313UJ00	36585.-			1

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

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

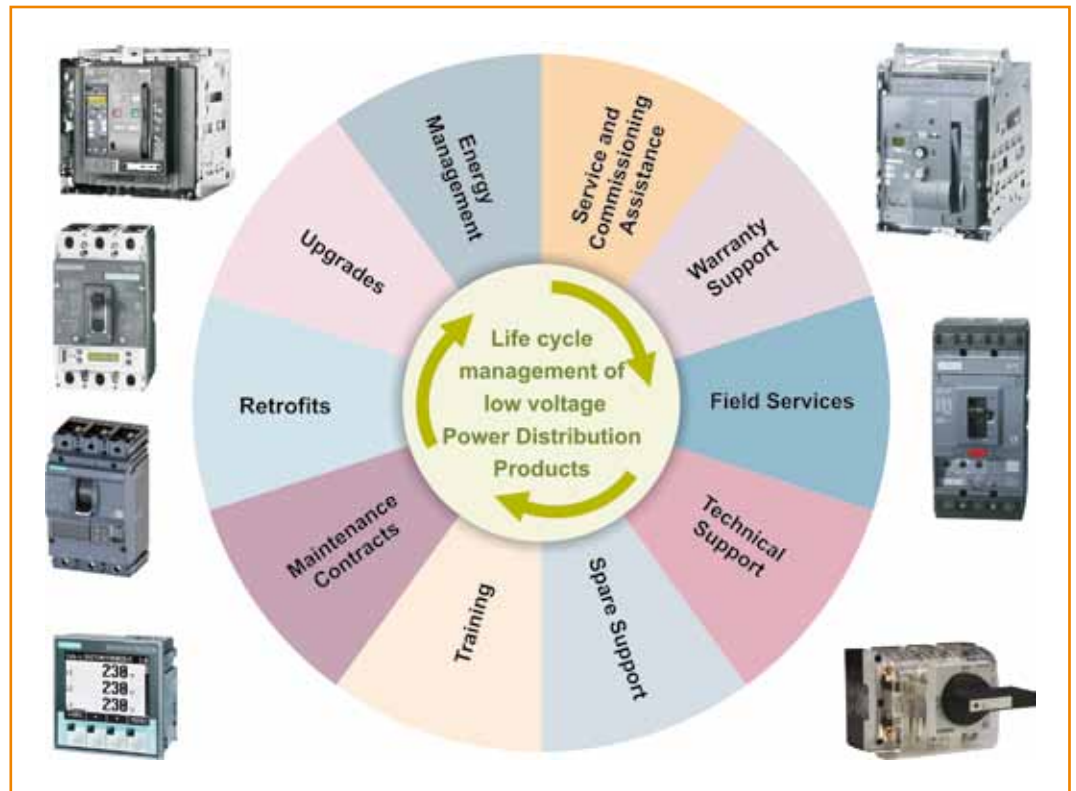


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### Pune

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