

An aerial photograph of a city skyline, likely Sydney, Australia, featuring a mix of modern skyscrapers and older buildings. The image is overlaid with a complex digital network of glowing blue and yellow lines, representing data or power distribution. In the background, two wind turbines are visible against a clear sky. The overall aesthetic is futuristic and technological.

**SIEMENS**

*Ingenuity for life*

Your trusted partner for  
reliable power

Low Voltage Power Distribution products

Price List w.e.f. 1<sup>st</sup> December, 2020

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

Course No.	Title	Duration
<b>Classroom Courses - Automation</b>		
AS-1200	SIMATIC S7-1200 with STEP7 V15.1	5
AS-1500A	SIMATIC S7-1500 with TIA V15 Advance	3
AS-1500B	SIMATIC S7-1500 with TIA V15 Basic	5
AS-300400A	SIMATIC S7-300/400 Advance with STEP7	6
AS-300A	SIMATIC S7-300 with STEP7 V5.6 Advance	3
AS-300B	SIMATIC S7-300 with STEP7 V5.6 Basic	5
AS-400A	SIMATIC S7-400 with STEP7 V5.6 Advance	3
AS-400B	SIMATIC S7-400 with STEP7 V5.6 Basic	5
AS-F&B_2	Training on WinCC Comfort-Advance V15.1_F&B 2 Days	2
AS-F&B_3	Training on SCADA with WinCC V7.5_F&B 3 Days	3
AS-NTW	Networking on Profibus/Profinet with V5.6	5
AS-PCS7A	DCS: SIMATIC PCS 7 Advance	10
AS-PCS7AS	DCS: SIMATIC PCS7 AS ENGINEERING	5
AS-PCS7B	DCS: SIMATIC PCS 7 Basic	10
AS-PCS7OS	DCS: SIMATIC PCS7 OS ENGINEERING	5
AS-PHARMA2	Training on WinCC Comfort-Advanced on TIA V15.1_Pharma 2 Days	2
AS-PHARMA3	Training on SCADA with WinCC V7.5_Pharma 3 Days	3
AS-PI	Process Instrumentation	4
AS-SFM	SIMATIC Distributed (Machine Safety) course	3
AS-SFP	SIMATIC Fail-safe (Process Safety) course	3
AS-ST57GRA	SIMATIC S7 Graph	2
AS-ST5CL	SCL Programming	3
AS-ST5TL	STL Programming Language	3
AS-TNTW	Networking on Profibus/Profinet with TIA Portal V15.1	3

Course No.	Title	Duration
AS-TWINCCB	SIMATIC WinCC (TIA Portal) Professional V15.1	5
AS-VASS	VASS Training	12
AS-WINCCA	SIMATIC WinCC V7.x Advance	3
AS-WINCCB	SIMATIC WinCC V7.x Basic	5
<b>Classroom Courses - Drives</b>		
DR-BDT	Basic course on AC/DC Drives	5
DR-DC70	SIMOREG DC Master 6RA70	6
DR-DCM	SINAMICS DC Master 6RA80	6
DR-G120	SINAMICS G120 with STARTER	5
DR-G12TIA	SINAMICS G120 With TIA Portal	4
DR-G130	SINAMICS G130 / G150	6
DR-GH180	SINAMICS Perfect Harmony GH180	5
DR-MDVC	AC Drive: SIMOVERT Master Drive Vector Control	6
DR-MM4	AC Drives with MM4 Maintenance	5
DR-OL5120B	Online Training - SINAMICS S120 Basic	5
DR-S120ADV	SINAMICS S120 Advance	5
DR-S120BAS	SINAMICS S120 Basic	5
DR-S12SAF	SINAMICS S120 Safety Functions	3
DR-SIMOADV	SIMOTION Advance	5
DR-SIMOBAS	SIMOTION Basic	5
DR-V20	SINAMICS V20	3
DR-V90	SINAMICS V90	3
AP-CRANE	Application Based Crane Training	5
<b>Classroom Courses - Switchgear</b>		
LV-BAS	Basic Automation for Switchgear User	3
LV-IM	AC Motor Basics Control & Maintenance	3
LV-PAC	Sentron PAC Meter	2
LV-SM	SIMOCODE AC-Motor control	3
LV-SS	SIRIUS Soft Starter	2
LV-SWPC	LV Switchgear Products & Coordination	4

Course No.	Title	Duration
LV-SWPD	LV Switchgear Products, Distribution & Panel	4
MV-NR	Training on Numerical relays	4
MV-VCB	Training on VCB	2
<b>Online Trainings</b>		
AS-OL-1200	Online Training - SIMATIC S7-1200 with TIA Portal Course	5
AS-OL-300A	Online Training - SIMATIC S7-300 with STEP7 V5.6 Advance	2
AS-OL-300B	Online Training - SIMATIC S7-300 with SIMATIC Manager (Basic Course)	5
AS-OL-400A	Online Training - SIMATIC S7-400 with SIMATIC Manager (Advance Course)	3
AS-OL-400B	Online Training - SIMATIC S7-400 with SIMATIC Manager (Basic Course)	5
AS-OL-PCSB	Online Training - DCS: SIMATIC PCS 7 Basic	9
AS-OLPCSAS	Online Training - DCS: SIMATIC PCS7 AS ENGINEERING	5
AS-OL-SFM	Online Training - SIMATIC Distributed (Machine Safety) course	3
AS-OL-WINC	Online Training - Basic course for SIMATIC WinCC SCADA (V7)	5
AS-OL-WINT	Online Training - SIMATIC WinCC SCADA (WinCC Prof) in the TIA Portal	5
AS-OL1500A	Online Training - SIMATIC S7-1500 with TIA Portal (Advance Course)	5
AS-OL1500B	Online Training - SIMATIC S7-1500 with TIA Portal (Basic Course)	5
ACCESS-P	SITRAIN access single Subscription	365
<b>Digitalization Training</b>		
DIGI-AUTOE	Digitalization Auto Engineering	5
DIGI-IN4.0	Introduction to Industry 4.0	3
DIGI-STDSI	Digitalization Stand_SIVArc	3
DIGI_INTRO	One Day Training Program on Introduction to Digitalization	1

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

**SITRAIN India (Kalwa)**  
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For information on prices of below products please refer to the  
LV Switchgear Motor Control Products valid Price List



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## 3VM moulded case circuit breaker

Efficient. Powerful.

## MCCB: SENTRON 3VM



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

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VM10	16kA	16	3VM10962ED320AA0	7235.-	3VM10962ED420AA0	9375.-
		20	3VM10202ED320AA0	7235.-	3VM10202ED420AA0	9375.-
		25	3VM10252ED320AA0	7235.-	3VM10252ED420AA0	9375.-
		32	3VM10322ED320AA0	7235.-	3VM10322ED420AA0	9375.-
		40	3VM10402ED320AA0	7235.-	3VM10402ED420AA0	9375.-
		50	3VM10502ED320AA0	7235.-	3VM10502ED420AA0	9375.-
		63	3VM10632ED320AA0	7235.-	3VM10632ED420AA0	9375.-
		80	3VM10802ED320AA0	7910.-	3VM10802ED420AA0	10270.-
		100	3VM10102ED320AA0	8580.-	3VM10102ED420AA0	11175.-
3VM10	25kA	16	3VM10963ED320AA0	7500.-	3VM10963ED420AA0	9790.-
		20	3VM10203ED320AA0	7500.-	3VM10203ED420AA0	9790.-
		25	3VM10253ED320AA0	7500.-	3VM10253ED420AA0	9790.-
		32	3VM10323ED320AA0	7500.-	3VM10323ED420AA0	9790.-
		40	3VM10403ED320AA0	7500.-	3VM10403ED420AA0	9790.-
		50	3VM10503ED320AA0	7500.-	3VM10503ED420AA0	9790.-
		63	3VM10633ED320AA0	7500.-	3VM10633ED420AA0	9790.-
		80	3VM10803ED320AA0	8165.-	3VM10803ED420AA0	10620.-
		100	3VM10103ED320AA0	8770.-	3VM10103ED420AA0	11410.-
3VM11		125	3VM11123ED320AA0	11235.-	3VM11123ED420AA0	14835.-
		160	3VM11163ED320AA0	14660.-	3VM11163ED420AA0	18560.-

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	36kA	16	3VM11964ED320AA0	7915.-	3VM11964GD420AA0	10955.-
		20	3VM11204ED320AA0	7915.-	3VM11204GD420AA0	10955.-
		25	3VM11254ED320AA0	7915.-	3VM11254GD420AA0	10955.-
		32	3VM11324ED320AA0	7915.-	3VM11324GD420AA0	10955.-
		40	3VM11404ED320AA0	7915.-	3VM11404GD420AA0	10955.-
		50	3VM11504ED320AA0	7915.-	3VM11504GD420AA0	10955.-
		63	3VM11634ED320AA0	7915.-	3VM11634GD420AA0	10955.-
		80	3VM11804ED320AA0	8310.-	3VM11804GD420AA0	12015.-
		100	3VM11104ED320AA0	9640.-	3VM11104GD420AA0	13880.-
		125	3VM11124ED320AA0	16925.-	3VM11124GD420AA0	22005.-
		160	3VM11164ED320AA0	18700.-	3VM11164GD420AA0	24315.-
3VM12		200	3VM12204ED320AA0	20085.-	3VM12204GD420AA0	24865.-
		250	3VM12254ED320AA0	26790.-	3VM12254GD420AA0	31570.-
3VM13		320	3VM13324ED320AA0	36345.-	3VM13324GD420AA0	44945.-
		400	3VM13404ED320AA0	37305.-	3VM13404GD420AA0	45905.-
3VM14		500	3VM14504ED320AA0	41040.-	3VM14504GD420AA0	49640.-
		630	3VM14634ED320AA0	41040.-	3VM14634GD420AA0	49640.-

^ 3VM11 TMTU up to 160A

AM: Adjustable Magnetic

FM: Fixed Magnetic

Std. Pkg. = 1 unit

\* LP - List Price

® MRP - Max. Retail Price

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	55kA	16	3VM11965ED320AA0	9095.-	3VM11965GD420AA0	11800.-
		20	3VM11205ED320AA0	9095.-	3VM11205GD420AA0	11800.-
		25	3VM11255ED320AA0	9095.-	3VM11255GD420AA0	11800.-
		32	3VM11325ED320AA0	9095.-	3VM11325GD420AA0	11800.-
		40	3VM11405ED320AA0	9095.-	3VM11405GD420AA0	11800.-
		50	3VM11505ED320AA0	9095.-	3VM11505GD420AA0	11800.-
		63	3VM11635ED320AA0	9095.-	3VM11635GD420AA0	11800.-
		80	3VM11805ED320AA0	9970.-	3VM11805GD420AA0	12955.-
		100	3VM11105ED320AA0	11545.-	3VM11105GD420AA0	14980.-
		125	3VM11125ED320AA0	18605.-	3VM11125GD420AA0	24180.-
		160	3VM11165ED320AA0	20550.-	3VM11165GD420AA0	26740.-
3VM12		200	3VM12205ED320AA0	22230.-	3VM12205GD420AA0	28170.-
		250	3VM12255ED320AA0	28935.-	3VM12255GD420AA0	34875.-
3VM13		320	3VM13325ED320AA0	39415.-	3VM13325GD420AA0	47315.-
		400	3VM13405ED320AA0	40380.-	3VM13405GD420AA0	48275.-
3VM14		500	3VM14505ED320AA0	44110.-	3VM14505GD420AA0	52005.-
		630	3VM14635ED320AA0	44110.-	3VM14635GD420AA0	52005.-

Circuit Breakers

# Knowledge Manager – all information available anytime



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



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



You can directly view or download all relevant product information.

Std. Pkg. = 1 unit

\* LP - List Price

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	25kA	16	3VM11963EE320AA0	8905.-	3VM11963GE420AA0	13425.-
		20	3VM11203EE320AA0	8905.-	3VM11203GE420AA0	13425.-
		25	3VM11253EE320AA0	8905.-	3VM11253GE420AA0	13425.-
		32	3VM11323EE320AA0	8905.-	3VM11323GE420AA0	13425.-
		40	3VM11403EE320AA0	8905.-	3VM11403GE420AA0	13425.-
		50	3VM11503EE320AA0	8905.-	3VM11503GE420AA0	13425.-
		63	3VM11633EE320AA0	8905.-	3VM11633GE420AA0	13425.-
		80	3VM11803EE320AA0	8905.-	3VM11803GE420AA0	13425.-
		100	3VM11103EE320AA0	8905.-	3VM11103GE420AA0	13425.-
		125	3VM11123EE320AA0	11500.-	3VM11123GE420AA0	15725.-
160	3VM11163EE320AA0	15820.-	3VM11163GE420AA0	20135.-		
3VM11	36kA	16	3VM11964EE320AA0	11520.-	3VM11964GE420AA0	15080.-
		20	3VM11204EE320AA0	11520.-	3VM11204GE420AA0	15080.-
		25	3VM11254EE320AA0	11520.-	3VM11254GE420AA0	15080.-
		32	3VM11324EE320AA0	11520.-	3VM11324GE420AA0	15080.-
		40	3VM11404EE320AA0	11520.-	3VM11404GE420AA0	15080.-
		50	3VM11504EE320AA0	11520.-	3VM11504GE420AA0	15080.-
		63	3VM11634EE320AA0	11520.-	3VM11634GE420AA0	15080.-
		80	3VM11804EE320AA0	11520.-	3VM11804GE420AA0	15080.-
		100	3VM11104EE320AA0	11520.-	3VM11104GE420AA0	15080.-
		125	3VM11124EE320AA0	17730.-	3VM11124GE420AA0	22580.-
3VM12		160	3VM11164EE320AA0	19215.-	3VM11164GE420AA0	24940.-
		200	3VM12204EE320AA0	27790.-	3VM12204GE420AA0	32425.-
3VM13		250	3VM12254EE320AA0	27790.-	3VM12254GE420AA0	32425.-
		320	3VM13324EE320AA0	37200.-	3VM13324GE420AA0	45545.-
3VM14		400	3VM13404EE320AA0	37200.-	3VM13404GE420AA0	45545.-
		500	3VM14504EE320AA0	42495.-	3VM14504GE420AA0	50835.-
		630	3VM14634EE320AA0	42495.-	3VM14634GE420AA0	50835.-
		16	3VM11965EE320AA0	13125.-	3VM11965GE420AA0	16585.-
3VM11	55kA	20	3VM11205EE320AA0	13125.-	3VM11205GE420AA0	16585.-
		25	3VM11255EE320AA0	13125.-	3VM11255GE420AA0	16585.-
		32	3VM11325EE320AA0	13125.-	3VM11325GE420AA0	16585.-
		40	3VM11405EE320AA0	13125.-	3VM11405GE420AA0	16585.-
		50	3VM11505EE320AA0	13125.-	3VM11505GE420AA0	16585.-
		63	3VM11635EE320AA0	13125.-	3VM11635GE420AA0	16585.-
		80	3VM11805EE320AA0	13125.-	3VM11805GE420AA0	16585.-
		100	3VM11105EE320AA0	13125.-	3VM11105GE420AA0	16585.-
		125	3VM11125EE320AA0	20610.-	3VM11125GE420AA0	24755.-
		160	3VM11165EE320AA0	21130.-	3VM11165GE420AA0	27270.-
3VM12		200	3VM12205EE320AA0	29865.-	3VM12205GE420AA0	35630.-
		250	3VM12255EE320AA0	29865.-	3VM12255GE420AA0	35630.-
3VM13		320	3VM13325EE320AA0	40180.-	3VM13325GE420AA0	47840.-
		400	3VM13405EE320AA0	40180.-	3VM13405GE420AA0	47840.-
3VM14		500	3VM14505EE320AA0	45470.-	3VM14505GE420AA0	53130.-
		630	3VM14635EE320AA0	45470.-	3VM14635GE420AA0	53130.-

Std. Pkg. = 1 unit

\* LP - List Price

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

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)	Unit LP* ₹
3VM11	8 <sup>1)</sup>	3VM11085MG320AA0	11435.-
	12.5 <sup>1)</sup>	3VM11925MG320AA0	11435.-
	20	3VM11205MH320AA0	11435.-
	32	3VM11325MH320AA0	13660.-
	40	3VM11405MH320AA0	13660.-
	50	3VM11505MH320AA0	13660.-
	63	3VM11635MH320AA0	13660.-
	80	3VM11805MH320AA0	13660.-
	100	3VM11105MH320AA0	13660.-
3VM12	125	3VM11125MH320AA0	20330.-
	160	3VM12165MH320AA0	20330.-
3VM13	200	3VM12205MH320AA0	30845.-
	250	3VM13255MH320AA0	30845.-
3VM14	320	3VM13325MH320AA0	44200.-
	400	3VM14405MH320AA0	44200.-
	500	3VM14505MH320AA0	48990.-

SETRON 3VM, Switch Disconnecter (without protection)

Frame Size	Rated Current In (A)	3pole Type	Unit LP* ₹	4pole Type	Unit LP* ₹
3VM11	63	3VM11631AA320AA0	8530.-	3VM11631AA420AA0	12605.-
	100	3VM11101AA320AA0	8530.-	3VM11101AA420AA0	12605.-
	125	3VM11121AA320AA0	12445.-	3VM11121AA420AA0	15670.-
	160	3VM11161AA320AA0	12445.-	3VM11161AA420AA0	15670.-
3VM12	250	3VM12251AA320AA0	20720.-	3VM12251AA420AA0	27630.-
3VM13	400	3VM13401AA320AA0	26730.-	3VM13401AA420AA0	34755.-

<sup>1)</sup> Fixed magnetic



Std. Pkg. = 1 unit

\* LP - List Price



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

Frame Size	Breaking Capacity	Rated Current In (A)	1 Pole Type	Unit LP* ₹	2 Pole Type	Unit LP* ₹
3VM11	25kA <sup>1)</sup>	16	3VM11963ED120AA0	3325.-	3VM11963ED220AA0	5970.-
		20	3VM11203ED120AA0	3325.-	3VM11203ED220AA0	5970.-
		25	3VM11253ED120AA0	3325.-	3VM11253ED220AA0	5970.-
		32	3VM11323ED120AA0	3325.-	3VM11323ED220AA0	5970.-
		40	3VM11403ED120AA0	3325.-	3VM11403ED220AA0	5970.-
		50	3VM11503ED120AA0	3325.-	3VM11503ED220AA0	5970.-
		63	3VM11633ED120AA0	3325.-	3VM11633ED220AA0	5970.-
		80	3VM11803ED120AA0	3665.-	3VM11803ED220AA0	6540.-
		100	3VM11103ED120AA0	4225.-	3VM11103ED220AA0	7665.-
		125	3VM11123ED120AA0	6825.-	3VM11123ED220AA0	12400.-
3VM11	36kA <sup>1)</sup>	16	3VM11964ED120AA0	3605.-	3VM11964ED220AA0	6540.-
		20	3VM11204ED120AA0	3605.-	3VM11204ED220AA0	6540.-
		25	3VM11254ED120AA0	3605.-	3VM11254ED220AA0	6540.-
		32	3VM11324ED120AA0	3605.-	3VM11324ED220AA0	6540.-
		40	3VM11404ED120AA0	3605.-	3VM11404ED220AA0	6540.-
		50	3VM11504ED120AA0	3605.-	3VM11504ED220AA0	6540.-
		63	3VM11634ED120AA0	3605.-	3VM11634ED220AA0	6540.-
		80	3VM11804ED120AA0	4005.-	3VM11804ED220AA0	7220.-
		100	3VM11104ED120AA0	4310.-	3VM11104ED220AA0	8340.-
		125	3VM11124ED120AA0	7390.-	3VM11124ED220AA0	13295.-
160	3VM11164ED120AA0	8620.-	3VM11164ED220AA0	15555.-		

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

Earth fault protection for SENTRON 3VM moulded case circuit breaker

Description	Type	Unit LP* ₹	
Earth fault monitoring relay	7UG0861-1BU20	4570.-	
CBCT for EFR: 160 frame Suitable for 3VM10/11	3P	7UG09910	1605.-
	4P	7UG09911	1830.-
CBCT for EFR: 250 frame Suitable for 3VM12	3P	7UG09912	1940.-
	4P	7UG09913	2285.-
CBCT for EFR: 630 frame Suitable for 3VM13/14	3P	7UG09914	2860.-
	4P	7UG09915	3090.-

Earth leakage protection for SENTRON 3VM moulded case circuit breaker

Description	Type	Unit LP* ₹	
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG08411CB20	4420.-
	230VAC	7UG08421CD20	4465.-
CBCT for ELR	35 mm dia	7UG0996	1625.-
	70 mm dia	7UG0997	1855.-
	120 mm dia	7UG0999	3125.-
	210 mm dia	7UG0994	5365.-
	310 mm dia	7UG0995	8345.-

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

Std. Pkg. = 1 unit

\* LP - List Price

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

MLFB	Description	Unit LP*₹
<b>Auxiliary Switches and Alarm Switches (1 C/O)</b>		
3VM9988-0AA12	Auxiliary Switch AUX (1 C/O)	1430.-
3VM9988-0AB12	Trip Alarm Switch TAS (1 C/O)	1430.-
<b>Undervoltage releases</b>		
3VM9908-0BB11	UVR 24V DC	3195.-
3VM9908-0BB12	UVR 48V DC	3195.-
3VM9908-0BB23	UVR 110 V AC 50/60HZ	3195.-
3VM9908-0BB25	UVR 208-230 V AC 50/60 HZ	3195.-
3VM9908-0BB26	UVR 380-400 V AC 50/60 HZ	3195.-
<b>Shunt release (Left)</b>		
3VM9908-0BL30	STL 24V AC 50/60Hz / 12-30V DC	2585.-
3VM9908-0BL31	STL 48-60V AC 50/60Hz/ DC	2585.-
3VM9908-0BL32	STL 110-127 V AC 50/60 HZ / DC	2585.-
3VM9908-0BL33	STL 208-277 V AC 50/60 HZ / 220-250 V DC	2585.-
3VM9908-0BL20	STL 380-600 V AC 50/60 HZ	2585.-

External Accessories:

MLFB	Description	Unit LP*₹
<b>Rotary Handles <sup>1)</sup></b>		
3VM9117-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM10/ 11	1905.-
3VM9217-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM12	2410.-
3VM9417-0FK51®	Door mounted Rotary Operator with 8UC drive, Standard, 3VM13/ 14	2600.-
3VM9117-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM10/ 11	1800.-
3VM9217-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM12	2365.-
3VM9417-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM13/ 14	2610.-
<b>Spreaders (incl. Phase barriers)</b>		
3VM9153-0QC50	Spreader links - Broadened, 3pole, 3VM10/ 11	1055.-
3VM9154-0QC50	Spreader links - Broadened, 4pole, 3VM10/ 11	1355.-
3VM9253-0QC50	Spreader links - Broadened, 3pole, 3VM12	1325.-
3VM9254-0QC50	Spreader links - Broadened, 4pole, 3VM12	1755.-
3VM9483-0QC50	Spreader links - Broadened, 3pole, 3VM13/ 14	1775.-
3VM9484-0QC50	Spreader links - Broadened, 4pole, 3VM13/ 14	2300.-
<b>Extended terminals (incl. Phase barriers)</b>		
3VM9153-0QB50	Extended terminals, 3pole, 3VM10/ 11	715.-
3VM9154-0QB50	Extended terminals, 4pole, 3VM10/ 11	920.-
3VM9253-0QB50	Extended terminals, 3pole, 3VM12	890.-
3VM9254-0QB50	Extended terminals, 4pole, 3VM12	1185.-
3VM9483-0QB50	Extended terminals, 3pole, 3VM13/ 14	1200.-
3VM9484-0QB50	Extended terminals, 4pole, 3VM13/ 14	1560.-
<b>Phase barriers</b>		
3VM9152-0WA00	Phase barriers (1set = 2 phase barriers), 3VM10/ 11	600.-
3VM9252-0WA00	Phase barriers (1set = 2 phase barriers), 3VM12	835.-
3VM9482-0WA00	Phase barriers (1set = 2 phase barriers), 3VM13/ 14	835.-
<b>Locking device for breaker with Toggle lever</b>		
3VM9188-0LB10	Locking device for: 3VM10/ 11/ 12	1595.-
3VM9388-0LB10	Locking device for: 3VM13/ 14	2095.-
<b>Interlocking (for MCCBs with 8UC handles)</b>		
8UC60701YQ.. #	Castell interlock kit for 3VM10/ 11/ 12/ 13/ 14	4340.-



Std. Pkg. = 1 unit

\* LP - List Price

Notes:

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

® 1 set contains rotary mechanism, coupler, shaft and 8UC Front drive.  
Spreader link 1 set = 3 nos. links and 2 nos. phase barriers in case of 3 pole;  
and 4 nos. links and 3 nos. phase barriers in case of 4 pole.

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

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## 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	8060.-	3VA1096-2ED42-0AA0	10450.-
		20	3VA1020-2ED32-0AA0	8060.-	3VA1020-2ED42-0AA0	10450.-
		25	3VA1025-2ED32-0AA0	8060.-	3VA1025-2ED42-0AA0	10450.-
		32	3VA1032-2ED32-0AA0	8060.-	3VA1032-2ED42-0AA0	10450.-
		40	3VA1040-2ED32-0AA0	8060.-	3VA1040-2ED42-0AA0	10450.-
		50	3VA1050-2ED32-0AA0	8060.-	3VA1050-2ED42-0AA0	10450.-
		63	3VA1063-2ED32-0AA0	8060.-	3VA1063-2ED42-0AA0	10450.-
		80	3VA1080-2ED32-0AA0	8820.-	3VA1080-2ED42-0AA0	11450.-
		100	3VA1010-2ED32-0AA0	10205.-	3VA1010-2ED42-0AA0	13290.-
3VA10	25kA	16	3VA1096-3ED32-0AA0	8275.-	3VA1096-3ED42-0AA0	10800.-
		20	3VA1020-3ED32-0AA0	8275.-	3VA1020-3ED42-0AA0	10800.-
		25	3VA1025-3ED32-0AA0	8275.-	3VA1025-3ED42-0AA0	10800.-
		32	3VA1032-3ED32-0AA0	8275.-	3VA1032-3ED42-0AA0	10800.-
		40	3VA1040-3ED32-0AA0	8275.-	3VA1040-3ED42-0AA0	10800.-
		50	3VA1050-3ED32-0AA0	8275.-	3VA1050-3ED42-0AA0	10800.-
		63	3VA1063-3ED32-0AA0	8275.-	3VA1063-3ED42-0AA0	10800.-
		80	3VA1080-3ED32-0AA0	9005.-	3VA1080-3ED42-0AA0	11720.-
3VA11		100	3VA1010-3ED32-0AA0	10615.-	3VA1010-3ED42-0AA0	13565.-
		125	3VA1112-3ED32-0AA0	17895.-	3VA1112-3ED42-0AA0	22805.-
		160	3VA1116-3ED32-0AA0	20430.-	3VA1116-3ED42-0AA0	26590.-
3VA10	36kA	16	3VA1096-4ED32-0AA0	8735.-	3VA1196-4GD42-0AA0	12090.-
		20	3VA1020-4ED32-0AA0	8735.-	3VA1120-4GD42-0AA0	12090.-
		25	3VA1025-4ED32-0AA0	8735.-	3VA1125-4GD42-0AA0	12090.-
		32	3VA1032-4ED32-0AA0	8735.-	3VA1132-4GD42-0AA0	12090.-
		40	3VA1040-4ED32-0AA0	8735.-	3VA1140-4GD42-0AA0	12090.-
		50	3VA1050-4ED32-0AA0	8735.-	3VA1150-4GD42-0AA0	12090.-
		63	3VA1063-4ED32-0AA0	8735.-	3VA1163-4GD42-0AA0	12090.-
		80	3VA1080-4ED32-0AA0	9170.-	3VA1180-4GD42-0AA0	13260.-
3VA11		100	3VA1010-4ED32-0AA0	11040.-	3VA1110-4GD42-0AA0	15315.-
		125	3VA1112-4ED32-0AA0	19070.-	3VA1112-4GD42-0AA0	24790.-
		160	3VA1116-4ED32-0AA0	22235.-	3VA1116-4GD42-0AA0	28910.-
3VA11	55kA	16	3VA1196-5ED32-0AA0	10240.-	3VA1196-5GD42-0AA0	13290.-
		20	3VA1120-5ED32-0AA0	10240.-	3VA1120-5GD42-0AA0	13290.-
		25	3VA1125-5ED32-0AA0	10240.-	3VA1125-5GD42-0AA0	13290.-
		32	3VA1132-5ED32-0AA0	10240.-	3VA1132-5GD42-0AA0	13290.-
		40	3VA1140-5ED32-0AA0	10240.-	3VA1140-5GD42-0AA0	13290.-
		50	3VA1150-5ED32-0AA0	10240.-	3VA1150-5GD42-0AA0	13290.-
		63	3VA1163-5ED32-0AA0	10435.-	3VA1163-5GD42-0AA0	13290.-
		80	3VA1180-5ED32-0AA0	11230.-	3VA1180-5GD42-0AA0	14595.-
		100	3VA1110-5ED32-0AA0	13005.-	3VA1110-5GD42-0AA0	16870.-
		125	3VA1112-5ED32-0AA0	20955.-	3VA1112-5GD42-0AA0	27235.-
		160	3VA1116-5ED32-0AA0	24435.-	3VA1116-5GD42-0AA0	31795.-

<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	10510.-	3VA1196-3GE42-0AA0	15050.-
		20	3VA1120-3EE32-0AA0	10510.-	3VA1120-3GE42-0AA0	15050.-
		25	3VA1125-3EE32-0AA0	10510.-	3VA1125-3GE42-0AA0	15050.-
		32	3VA1132-3EE32-0AA0	10510.-	3VA1132-3GE42-0AA0	15050.-
		40	3VA1140-3EE32-0AA0	10510.-	3VA1140-3GE42-0AA0	15050.-
		50	3VA1150-3EE32-0AA0	10510.-	3VA1150-3GE42-0AA0	15050.-
		63	3VA1163-3EE32-0AA0	10510.-	3VA1163-3GE42-0AA0	15050.-
		80	3VA1180-3EE32-0AA0	10510.-	3VA1180-3GE42-0AA0	15050.-
		100	3VA1110-3EE32-0AA0	11230.-	3VA1110-3GE42-0AA0	15050.-
		125	3VA1112-3EE32-0AA0	19070.-	3VA1112-3GE42-0AA0	23480.-
3VA11	36kA	16	3VA1196-4EE32-0AA0	12975.-	3VA1196-4GE42-0AA0	16980.-
		20	3VA1120-4EE32-0AA0	12975.-	3VA1120-4GE42-0AA0	16980.-
		25	3VA1125-4EE32-0AA0	12975.-	3VA1125-4GE42-0AA0	16980.-
		32	3VA1132-4EE32-0AA0	12975.-	3VA1132-4GE42-0AA0	16980.-
		40	3VA1140-4EE32-0AA0	12975.-	3VA1140-4GE42-0AA0	16980.-
		50	3VA1150-4EE32-0AA0	12975.-	3VA1150-4GE42-0AA0	16980.-
		63	3VA1163-4EE32-0AA0	12975.-	3VA1163-4GE42-0AA0	16980.-
		80	3VA1180-4EE32-0AA0	12975.-	3VA1180-4GE42-0AA0	16980.-
		100	3VA1110-4EE32-0AA0	12975.-	3VA1110-4GE42-0AA0	16980.-
		125	3VA1112-4EE32-0AA0	19970.-	3VA1112-4GE42-0AA0	25435.-
3VA12		160	3VA1116-4EE32-0AA0	22850.-	3VA1116-4GE42-0AA0	29655.-
		200	3VA1220-4EE32-0AA0	28825.-	3VA1220-4GE42-0AA0	35520.-
3VA13		250	3VA1225-4EE32-0AA0	30560.-	3VA1225-4GE42-0AA0	38370.-
		320	3VA1332-4EE32-0AA0	40975.-	3VA1332-4GE42-0AA0	53050.-
3VA14		400	3VA1340-4EE32-0AA0	40975.-	3VA1340-4GE42-0AA0	53050.-
		500	3VA1450-4EE32-0AA0	52885.-	3VA1450-4GE42-0AA0	68515.-
3VA14		630	3VA1463-4EE32-0AA0	52885.-	3VA1463-4GE42-0AA0	68515.-
		16	3VA1196-5EE32-0AA0	14785.-	3VA1196-5GE42-0AA0	18685.-
3VA11	55kA	20	3VA1120-5EE32-0AA0	14785.-	3VA1120-5GE42-0AA0	18685.-
		25	3VA1125-5EE32-0AA0	14785.-	3VA1125-5GE42-0AA0	18685.-
		32	3VA1132-5EE32-0AA0	14785.-	3VA1132-5GE42-0AA0	18685.-
		40	3VA1140-5EE32-0AA0	14785.-	3VA1140-5GE42-0AA0	18685.-
		50	3VA1150-5EE32-0AA0	14785.-	3VA1150-5GE42-0AA0	18685.-
		63	3VA1163-5EE32-0AA0	14785.-	3VA1163-5GE42-0AA0	18685.-
		80	3VA1180-5EE32-0AA0	14785.-	3VA1180-5GE42-0AA0	18685.-
		100	3VA1110-5EE32-0AA0	14785.-	3VA1110-5GE42-0AA0	18685.-
		125	3VA1112-5EE32-0AA0	23220.-	3VA1112-5GE42-0AA0	27885.-
		160	3VA1116-5EE32-0AA0	25120.-	3VA1116-5GE42-0AA0	32420.-
3VA12		200	3VA1220-5EE32-0AA0	30020.-	3VA1220-5GE42-0AA0	36665.-
		250	3VA1225-5EE32-0AA0	31825.-	3VA1225-5GE42-0AA0	40320.-
3VA13		320	3VA1332-5EE32-0AA0	46725.-	3VA1332-5GE42-0AA0	58535.-
		400	3VA1340-5EE32-0AA0	46725.-	3VA1340-5GE42-0AA0	58535.-
3VA14		500	3VA1450-5EE32-0AA0	60430.-	3VA1450-5GE42-0AA0	75495.-
		630	3VA1463-5EE32-0AA0	60430.-	3VA1463-5GE42-0AA0	75495.-
3VA15		800#	3VA1580-5EF32-0AA0	90290.-	3VA1580-5GF42-0AA0	117010.-
		1000#	3VA1510-5EF32-0AA0	126135.-	3VA1510-5GF42-0AA0	163675.-
3VA11	70kA	16	3VA1196-6EE32-0AA0	20225.-	3VA1196-6GE42-0AA0	25425.-
		20	3VA1120-6EE32-0AA0	20225.-	3VA1120-6GE42-0AA0	25425.-
		25	3VA1125-6EE32-0AA0	20225.-	3VA1125-6GE42-0AA0	25425.-
		32	3VA1132-6EE32-0AA0	20225.-	3VA1132-6GE42-0AA0	25425.-
		40	3VA1140-6EE32-0AA0	20225.-	3VA1140-6GE42-0AA0	25425.-
		50	3VA1150-6EE32-0AA0	20225.-	3VA1150-6GE42-0AA0	25425.-
		63	3VA1163-6EE32-0AA0	20225.-	3VA1163-6GE42-0AA0	25425.-
		80	3VA1180-6EE32-0AA0	20225.-	3VA1180-6GE42-0AA0	25425.-
		100	3VA1110-6EE32-0AA0	20225.-	3VA1110-6GE42-0AA0	25425.-
		125	3VA1112-6EE32-0AA0	37610.-	3VA1112-6GE42-0AA0	40330.-
3VA12		160	3VA1116-6EE32-0AA0	37610.-	3VA1116-6GE42-0AA0	40330.-
		200	3VA1220-6EE32-0AA0	40480.-	3VA1220-6GE42-0AA0	52085.-
3VA13		250	3VA1225-6EE32-0AA0	45370.-	3VA1225-6GE42-0AA0	52085.-
		320	3VA1332-6EE32-0AA0	51220.-	3VA1332-6GE42-0AA0	66215.-
3VA14		400	3VA1340-6EE32-0AA0	51220.-	3VA1340-6GE42-0AA0	66215.-
		500	3VA1450-6EE32-0AA0	72805.-	3VA1450-6GE42-0AA0	94390.-
3VA14		630	3VA1463-6EE32-0AA0	72805.-	3VA1463-6GE42-0AA0	94390.-
		800#	3VA1580-6EF32-0AA0	99425.-	3VA1580-6GF42-0AA0	128845.-
3VA15		1000#	3VA1510-6EF32-0AA0	138650.-	3VA1510-6GF42-0AA0	180240.-

Std. Pkg. = 1 unit

# - Adjustable Thermal, Adjustable Magnetic

\* LP - List Price

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

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)		Breaking Capacity (70kA, 415V, 50Hz)	
		Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	1	3VA1181-5MG32-0AA0*	13595.-	3VA1181-6MG32-0AA0*	16695.-
	2	3VA1102-5MG32-0AA0*	13595.-	3VA1102-6MG32-0AA0*	16695.-
	4	3VA1104-5MG32-0AA0*	13595.-	3VA1104-6MG32-0AA0*	16695.-
	8	3VA1108-5MG32-0AA0*	13595.-	3VA1108-6MG32-0AA0*	16695.-
	12.5	3VA1192-5MG32-0AA0*	13595.-	3VA1192-6MG32-0AA0*	16695.-
	20	3VA1120-5MH32-0AA0	13595.-	3VA1120-6MH32-0AA0	16695.-
	32	3VA1132-5MH32-0AA0	16240.-	3VA1132-6MH32-0AA0	17500.-
	40	3VA1140-5MH32-0AA0	16240.-	3VA1140-6MH32-0AA0	17500.-
	50	3VA1150-5MH32-0AA0	16240.-	3VA1150-6MH32-0AA0	17500.-
	63	3VA1163-5MH32-0AA0	16240.-	3VA1163-6MH32-0AA0	17500.-
	80	3VA1180-5MH32-0AA0	16240.-	3VA1180-6MH32-0AA0	17500.-
	100	3VA1110-5MH32-0AA0	16240.-	3VA1110-6MH32-0AA0	17500.-
	125	3VA1112-5MH32-0AA0	23295.-	3VA1112-6MH32-0AA0	25180.-
3VA12	160	3VA1216-5MH32-0AA0	24445.-	3VA1216-6MH32-0AA0	34835.-
	200	3VA1220-5MH32-0AA0	33620.-	3VA1220-6MH32-0AA0	41260.-
3VA13	250	3VA1325-5MH32-0AA0	36680.-	3VA1325-6MH32-0AA0	41755.-
	320	3VA1332-5MH32-0AA0	50340.-	3VA1332-6MH32-0AA0	57365.-
3VA14	400	3VA1440-5MH32-0AA0	57625.-	3VA1440-6MH32-0AA0	60205.-
	500	3VA1450-5MH32-0AA0	66335.-	3VA1450-6MH32-0AA0	75315.-
3VA15	630	3VA1563-5MH32-0AA0	76475.-	3VA1563-6MH32-0AA0	83315.-
	800	3VA1580-5MH32-0AA0	101580.-	3VA1580-6MH32-0AA0	111855.-

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	6870.-
		20	3VA1120-3ED22-0AA0	6870.-
		25	3VA1125-3ED22-0AA0	6870.-
		32	3VA1132-3ED22-0AA0	6870.-
		40	3VA1140-3ED22-0AA0	6870.-
		50	3VA1150-3ED22-0AA0	6870.-
		63	3VA1163-3ED22-0AA0	6870.-
		80	3VA1180-3ED22-0AA0	7525.-
		100	3VA1110-3ED22-0AA0	8820.-
		125	3VA1112-3ED22-0AA0	14270.-
3VA11	36kA	16	3VA1196-4ED22-0AA0	7525.-
		20	3VA1120-4ED22-0AA0	7525.-
		25	3VA1125-4ED22-0AA0	7525.-
		32	3VA1132-4ED22-0AA0	7525.-
		40	3VA1140-4ED22-0AA0	7525.-
		50	3VA1150-4ED22-0AA0	7525.-
		63	3VA1163-4ED22-0AA0	7525.-
		80	3VA1180-4ED22-0AA0	8310.-
		100	3VA1110-4ED22-0AA0	9500.-
		125	3VA1112-4ED22-0AA0	15295.-
		160	3VA1116-4ED22-0AA0	17900.-



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



3VA11, 2 Pole

<sup>1)</sup> Price on request

\* 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	23025.-	3VA2025-4HL42-0AA0	29685.-	
		40	3VA2040-4HL32-0AA0	23025.-	3VA2040-4HL42-0AA0	29685.-	
		63	3VA2063-4HL32-0AA0	23025.-	3VA2063-4HL42-0AA0	29685.-	
		100	3VA2010-4HL32-0AA0	23025.-	3VA2010-4HL42-0AA0	29685.-	
		3VA21	160	3VA2116-4HL32-0AA0	31125.-	3VA2116-4HL42-0AA0	43445.-
		3VA22	250	3VA2225-4HL32-0AA0	42720.-	3VA2225-4HL42-0AA0	57925.-
		3VA23	400	3VA2340-4HL32-0AA0	57080.-	3VA2340-4HL42-0AA0	75125.-
		3VA24	630	3VA2463-4HL32-0AA0	59340.-	3VA2463-4HL42-0AA0	78630.-
3VA20	55kA	25	3VA2025-5HL32-0AA0	29280.-	3VA2025-5HL42-0AA0	40110.-	
		40	3VA2040-5HL32-0AA0	29280.-	3VA2040-5HL42-0AA0	40110.-	
		63	3VA2063-5HL32-0AA0	29280.-	3VA2063-5HL42-0AA0	40110.-	
		100	3VA2010-5HL32-0AA0	29280.-	3VA2010-5HL42-0AA0	40110.-	
		3VA21	160	3VA2116-5HL32-0AA0	37115.-	3VA2116-5HL42-0AA0	48060.-
		3VA22	250	3VA2225-5HL32-0AA0	48490.-	3VA2225-5HL42-0AA0	64020.-
		3VA23	400	3VA2340-5HL32-0AA0	61545.-	3VA2340-5HL42-0AA0	80655.-
		3VA24	630	3VA2463-5HL32-0AA0	75595.-	3VA2463-5HL42-0AA0	84425.-
3VA25	55kA	800	3VA2580-5HL32-0AA0	110540.-	3VA2580-5HL42-0AA0	141405.-	
		1000	3VA2510-5HL32-0AA0	146470.-	3VA2510-5HL42-0AA0	195545.-	
3VA20	85kA	25	3VA2025-6HL32-0AA0	38275.-	3VA2025-6HL42-0AA0	47425.-	
		40	3VA2040-6HL32-0AA0	38275.-	3VA2040-6HL42-0AA0	47425.-	
		63	3VA2063-6HL32-0AA0	38275.-	3VA2063-6HL42-0AA0	47425.-	
		100	3VA2010-6HL32-0AA0	38275.-	3VA2010-6HL42-0AA0	47425.-	
		3VA21	160	3VA2116-6HL32-0AA0	50195.-	3VA2116-6HL42-0AA0	64075.-
		3VA22	250	3VA2225-6HL32-0AA0	55740.-	3VA2225-6HL42-0AA0	81180.-
		3VA23	400	3VA2340-6HL32-0AA0	69950.-	3VA2340-6HL42-0AA0	91855.-
		3VA24	630	3VA2463-6HL32-0AA0	83565.-	3VA2463-6HL42-0AA0	111505.-
3VA25	85kA	800	3VA2580-6HL32-0AA0	121530.-	3VA2580-6HL42-0AA0	161660.-	
		1000	3VA2510-6HL32-0AA0	167505.-	3VA2510-6HL42-0AA0	223590.-	

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	31715.-	3VA2025-4HM42-0AA0	39095.-	
		40	3VA2040-4HM32-0AA0	31715.-	3VA2040-4HM42-0AA0	39095.-	
		63	3VA2063-4HM32-0AA0	31715.-	3VA2063-4HM42-0AA0	39095.-	
		100	3VA2010-4HM32-0AA0	31715.-	3VA2010-4HM42-0AA0	39095.-	
		3VA21	160	3VA2116-4HM32-0AA0	40110.-	3VA2116-4HM42-0AA0	49955.-
		3VA22	250	3VA2225-4HM32-0AA0	50690.-	3VA2225-4HM42-0AA0	63715.-
		3VA23	400	3VA2340-4HM32-0AA0	68175.-	3VA2340-4HM42-0AA0	85990.-
		3VA24	630	3VA2463-4HM32-0AA0	74995.-	3VA2463-4HM42-0AA0	94580.-
3VA20	55kA	25	3VA2025-5HM32-0AA0	36150.-	3VA2025-5HM42-0AA0	41420.-	
		40	3VA2040-5HM32-0AA0	36150.-	3VA2040-5HM42-0AA0	41420.-	
		63	3VA2063-5HM32-0AA0	36150.-	3VA2063-5HM42-0AA0	41420.-	
		100	3VA2010-5HM32-0AA0	36895.-	3VA2010-5HM42-0AA0	43295.-	
		3VA21	160	3VA2116-5HM32-0AA0	49705.-	3VA2116-5HM42-0AA0	59645.-
		3VA22	250	3VA2225-5HM32-0AA0	60620.-	3VA2225-5HM42-0AA0	75650.-
		3VA23	400	3VA2340-5HM32-0AA0	73195.-	3VA2340-5HM42-0AA0	92325.-
		3VA24	630	3VA2463-5HM32-0AA0	80525.-	3VA2463-5HM42-0AA0	101545.-
3VA25	55kA	800	3VA2580-5HM32-0AA0	116860.-	3VA2580-5HM42-0AA0	151920.-	
		1000	3VA2510-5HM32-0AA0	156985.-	3VA2510-5HM42-0AA0	206065.-	
3VA20	85kA	25	3VA2025-6HM32-0AA0	45135.-	3VA2025-6HM42-0AA0	54890.-	
		40	3VA2040-6HM32-0AA0	45135.-	3VA2040-6HM42-0AA0	54890.-	
		63	3VA2063-6HM32-0AA0	45135.-	3VA2063-6HM42-0AA0	54890.-	
		100	3VA2010-6HM32-0AA0	45135.-	3VA2010-6HM42-0AA0	54890.-	
		3VA21	160	3VA2116-6HM32-0AA0	57505.-	3VA2116-6HM42-0AA0	72180.-
		3VA22	250	3VA2225-6HM32-0AA0	67345.-	3VA2225-6HM42-0AA0	94490.-
		3VA23	400	3VA2340-6HM32-0AA0	81600.-	3VA2340-6HM42-0AA0	103505.-
		3VA24	630	3VA2463-6HM32-0AA0	89760.-	3VA2463-6HM42-0AA0	113870.-
3VA25	85kA	800	3VA2580-6HM32-0AA0	131665.-	3VA2580-6HM42-0AA0	172175.-	
		1000	3VA2510-6HM32-0AA0	177630.-	3VA2510-6HM42-0AA0	234105.-	

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	11410.-	3VA1163-1AA42-0AA0	16860.-
		100	3VA1110-1AA32-0AA0	11410.-	3VA1110-1AA42-0AA0	16860.-
		125	3VA1112-1AA32-0AA0	23340.-	3VA1112-1AA42-0AA0	31120.-
		160	3VA1116-1AA32-0AA0	23340.-	3VA1116-1AA42-0AA0	31120.-
3VA12	NA	250	3VA1225-1AA32-0AA0	23340.-	3VA1225-1AA42-0AA0	31120.-
3VA13	NA	400	3VA1340-1AA32-0AA0	30110.-	3VA1340-1AA42-0AA0	39145.-

NA - Not Applicable

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

### Earth fault monitoring relay

Description	Type	Unit LP* ₹
Earth fault monitoring relay	7UG0861-1BU20	4570.-
CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A	3P	7UG09910
	4P	7UG09911
CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A	3P	7UG09912
	4P	7UG09913
CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A	3P	7UG09914
	4P	7UG09915



### Earth leakage monitoring relay

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



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

Circuit Breakers



MCCB with O/L & S/C protection

+



Shunt release

+



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

=



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

Std. Pkg. = 1 unit

\* LP - List Price



## SENTRON 3VA - Accessories

Frame	3VA1 100A/ 160A/ 250A/ 400A/ 630A/ 800A/ 1000A	Unit LP* ₹	3VA2 100A / 160A / 250A 3VA2 400A/ 630A/ 800A/ 1000A	Unit LP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA99880AA12 (1 C/O)	1845.-	3VA99880AA12 (1 C/O)	1845.-
Alarm switch (TAS)	3VA99880AB12 (1 C/O)	2845.-	3VA99880AB12 (1 C/O)	2845.-
Short-circuit Alarm switch (SAS) for 3VA1 Only	3VA99880AB32 (for 3VA10/ 11 100A/ 160A) 3VA99880AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A)	1520.- 1520.-	-	-
Electrical alarm switches (EAS) for 3VA2 Only	-	-	3VA99880AB22	1520.-
Under voltage release (UVR)				
120-127 V AC 50/60 Hz	3VA99080BB24	4355.-	3VA99080BB24	4355.-
208-230 V AC 50/60 Hz	3VA99080BB25	4355.-	3VA99080BB25	4355.-
380-400 V AC 50/60 Hz	3VA99080BB26	4355.-	3VA99080BB26	4355.-
Shunt release flexible (STF)				
110-127 V AC 50/60 Hz	3VA99880BA22	3280.-	3VA99880BA22	3280.-
208-277 V AC 50/60 Hz	3VA99880BA23	3280.-	3VA99880BA23	3280.-
380-500 V AC 50/60 Hz	3VA99880BA24	3280.-	3VA99880BA24	3280.-
Shunt release left (STL) for 3VA2 800A / 1000A				
110-127 V AC 50/60 Hz	-	-	3VA99880BL32	3280.-
208-277 V AC 50/60 Hz	-	-	3VA99880BL33	3280.-
380-500 V AC 50/60 Hz	-	-	3VA99880BL20	3280.-
Extended Door Mounted Rotary Operator (including 8UC handle)	3VA9157-0FK51 (for 3VA10/ 11 100A/160A) 3VA9257-0FK51 (for 3VA12 250A) 3VA9467-0FK51 (for 3VA13/ 14 400/ 630A)	2565.- 2700.- 4235.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)	2700.- 4235.- -
Extended Door Mounted Rotary Operator ^	3VA9687-0FK21 (for 3VA15 800/ 1000A)	9415.-	3VA9687-0FK21 (for 3VA25 800A/ 1000A)	9415.-
Illuminated - Door mounted rotary operator 24V DC	3VA9157-0FK23 (for 3VA10/ 11 100A/160A) 3VA9257-0FK23 (for 3VA12 250A) 3VA9467-0FK23 (for 3VA13/ 14 400A/ 630A)	5620.- 6175.- 7855.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A)	6175.- 7855.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. (for 3VA10/ 11/ 12/ 13/ 14)	4340.-	8UC60701YQ.. (for 3VA20/ 21/ 22/ 23/ 24)	4340.-
Sliding Bar Interlock (for same size breakers with Toggle Lever)	3VA91580VF30 (for 3VA10/ 11 100A/160A) 3VA92580VF30 (for 3VA12 250A) 3VA93680VF30 (for 3VA13/ 14 400A/ 630A)	5620.- 5830.- 6585.-	3VA91680VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA93680VF30 (for 3VA23/ 24 400A/ 630A)	6175.- 6585.-
Locking device for breaker with Toggle lever	3VA90880LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A) 3VA93880LB10 (for 3VA13/ 14 400A/ 630A)	1720.- 2260.-	3VA93880LB10 (for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A)	2260.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA91570HA20 (for 3VA11 160A) 3VA92570HA20 (for 3VA12 250A) 3VA94670HA20 (for 3VA13/ 14 400A/ 630A)	18865.- 24685.- 29145.-	3VA92670HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94670HA20 (for 3VA23/ 24 400A/ 630A)	24685.- 29145.-
Spreader links - Broadened (with phase barriers)	3VA91530QC50 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA91540QC50 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA92530QC50 (for 3pole, 3VA12 250A) 3VA92540QC50 (for 4pole, 3VA12 250A) 3VA94830QC50 (for 3pole 3VA13/ 14 400A/ 630A) 3VA94840QC50 (for 4pole 3VA13/ 14 400A/ 630A)	1055.- 1355.- 1325.- 1755.- 1775.- 2300.-	3VA92630QC50 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA92640QC50 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94830QC50 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA94840QC50 (for 4pole, 3VA23/ 24 400A/ 630A)	1430.- 1865.- 1775.- 2300.-
Busbar extensions (with phase barriers)	3VA96030QB00 (for 3pole, 3VA15 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA15 800A/ 1000A)	5175.- 6915.-	3VA96030QB00 (for 3pole, 3VA25 800A/ 1000A) 3VA96040QB00 (for 4pole, 3VA25 800A/ 1000A)	5175.- 6915.-
Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)	3VA91130QE00 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA91140QE00 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA92130QE00 (for 3pole, 3VA12 250A) 3VA92140QE00 (for 4pole, 3VA12 250A) 3VA94030QE00 (for 3pole, 3VA13/ 14 400A/ 630A) 3VA94040QE00 (for 4pole, 3VA13/ 14 400A/ 630A)	1925.- 2605.- 2465.- 3300.- 4000.- 5330.-	3VA92030QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA92040QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94030QE00 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA94040QE00 (for 4pole, 3VA23/ 24 400A/ 630A)	2465.- 3300.- 4000.- 5330.-
Phase Barriers (1 set = 2 phase barriers)	3VA91520WA00 (for 3VA10/ 11 100A/ 160A) 3VA92520WA00 (for 3VA12 250A) 3VA94820WA00 (for 3VA13/ 14 400A/ 630A) 3VA96020WA00 (for 3VA15 800A/ 1000A)	370.- 370.- 865.- 870.-	3VA92620WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA94820WA00 (for 3VA23/ 24 400A/ 630A) 3VA96020WA00 (for 3VA25 800A/ 1000A)	370.- 865.- 870.-
3VA Adapter for mounting on 8US 60mm busbar system	8US1213-4AU01 (for 3pole, 3VA10/ 11) 8US1213-4AP03 (for 3-pole, 3VA12) 8US1213-4AH04 (for 3pole, 3VA13/ 14)	Price on request	8US1213-4AP03 (for 3VA20/ 21/ 22) 8US1213-4AH04 (for 3VA23/ 24)	Price on request

**Notes:**

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

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

For side mounted handles please contact our nearest Sales Office.

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

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

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

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

Std. Pkg. = 1 unit

\* LP - List Price



## SENTRON 3VA27 moulded case circuit breakers



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






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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA27	55kA	1250	3VA2712-5AB03-0AA0	210645.-	3VA2712-5AB13-0AA0	283315.-
		1600	3VA2716-5AB03-0AA0	291530.-	3VA2716-5AB13-0AA0	392315.-
	85kA	1250	3VA2712-6AB03-0AA0	231410.-	3VA2712-6AB13-0AA0	311430.-
		1600	3VA2716-6AB03-0AA0	320080.-	3VA2716-6AB13-0AA0	431240.-

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA27	55kA	1250	3VA2712-5AD03-0AA0	227950.-	3VA2712-5AD13-0AA0	300185.-
		1600	3VA2716-5AD03-0AA0	308400.-	3VA2716-5AD13-0AA0	409185.-
	85kA	1250	3VA2712-6AD03-0AA0	248275.-	3VA2712-6AD13-0AA0	328730.-
		1600	3VA2716-6AD03-0AA0	336950.-	3VA2716-6AD13-0AA0	449840.-

## Accessories for 3VA27

	Description	Type	Unit LP* ₹	Std. pkg. (nos.)
	Auxiliary switch (AUX)	3VW9011-0AG01	3895.-	1
	Alarm switch (TAS)	3VW9011-0AH14	1925.-	1
	Shunt release (ST)		8965.-	1
	110-120 V AC 50/60 HZ 220-240 V AC 50/60 HZ	3VW9011-0AD05 3VW9011-0AD07		
	Under voltage release (UVR)		9710.-	1
	110-120 V AC 50/60 HZ 220-240 V AC 50/60 HZ	3VW9011-0AE05 3VW9011-0AE07		
	415-440 V AC 50/60 HZ	3VW9011-0AE18		
	Extended Door Mounted Rotary Operator <sup>^</sup> (Standard - Gray)	3VW9727-0FK21	8630.-	1

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

All MCCBs are suitable for Front Terminals connection only.

Accessories can also be offered in factory fitted options

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

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

# SIEMENS

*Ingenuity for life*

NEW

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

Unlock the future!!

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

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



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

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

Microprocessor based trip unit ETU37WT: LSING + Display

Frame Size	Rated current In (A)		Withdrawable design with Guide Frame <sup>2)</sup>				
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹	
I	630	MDO	3WT8061-6AA04-5AB2	210920.-	3WT8065-6AA04-5AB2	274200.-	
		EDO	3WT8061-6UA34-5AB2	272820.-	3WT8065-6UA34-5AB2	336100.-	
	800	MDO	3WT8081-6AA04-5AB2	222595.-	3WT8085-6AA04-5AB2	291395.-	
		EDO	3WT8081-6UA34-5AB2	284495.-	3WT8085-6UA34-5AB2	353295.-	
	1000	MDO	3WT8101-6AA04-5AB2	228640.-	3WT8105-6AA04-5AB2	296580.-	
		EDO	3WT8101-6UA34-5AB2	290540.-	3WT8105-6UA34-5AB2	358480.-	
	1250	MDO	3WT8121-6AA04-5AB2	280840.-	3WT8125-6AA04-5AB2	333860.-	
		EDO	3WT8121-6UA34-5AB2	342740.-	3WT8125-6UA34-5AB2	395760.-	
	● 1600	MDO	3WT8161-6AA04-5AB2	301415.-	3WT8165-6AA04-5AB2	364875.-	
		EDO	3WT8161-6UA34-5AB2	363315.-	3WT8165-6UA34-5AB2	426775.-	
	II	● 2000	MDO	3WT8202-6AA04-5AB2	378705.-	3WT8206-6AA04-5AB2	466095.-
			EDO	3WT8202-6UA34-5AB2	440605.-	3WT8206-6UA34-5AB2	527995.-
● 2500		MDO	3WT8252-6AA04-5AB2	428965.-	3WT8256-6AA04-5AB2	545360.-	
		EDO	3WT8252-6UA34-5AB2	490865.-	3WT8256-6UA34-5AB2	607260.-	
● 3200		MDO	3WT8322-6AA04-5AB2	549950.-	3WT8326-6AA04-5AB2	674800.-	
		EDO	3WT8322-6UA34-5AB2	611850.-	3WT8326-6UA34-5AB2	736700.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



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	154995.-	3WT8065-6AA00-0AA2	209700.-	
		EF	3WT8061-6UA30-0AA2	216895.-	3WT8065-6UA30-0AA2	271600.-	
	800	MF	3WT8081-6AA00-0AA2	167310.-	3WT8085-6AA00-0AA2	230205.-	
		EF	3WT8081-6UA30-0AA2	229210.-	3WT8085-6UA30-0AA2	292105.-	
	1000	MF	3WT8101-6AA00-0AA2	170550.-	3WT8105-6AA00-0AA2	243870.-	
		EF	3WT8101-6UA30-0AA2	232450.-	3WT8105-6UA30-0AA2	305770.-	
	1250	MF	3WT8121-6AA00-0AA2	231985.-	3WT8125-6AA00-0AA2	274330.-	
		EF	3WT8121-6UA30-0AA2	293885.-	3WT8125-6UA30-0AA2	336230.-	
	● 1600	MF	3WT8161-6AA00-0AA2	236875.-	3WT8165-6AA00-0AA2	293850.-	
		EF	3WT8161-6UA30-0AA2	298775.-	3WT8165-6UA30-0AA2	355750.-	
	II	● 2000	MF	3WT8202-6AA00-0AA2	266395.-	3WT8206-6AA00-0AA2	382415.-
			EF	3WT8202-6UA30-0AA2	328295.-	3WT8206-6UA30-0AA2	444315.-
● 2500		MF	3WT8252-6AA00-0AA2	300700.-	3WT8256-6AA00-0AA2	448985.-	
		EF	3WT8252-6UA30-0AA2	362600.-	3WT8256-6UA30-0AA2	510885.-	
● 3200		MF	3WT8322-6AA00-0AA2	457840.-	3WT8326-6AA00-0AA2	563850.-	
		EF	3WT8322-6UA30-0AA2	519740.-	3WT8326-6UA30-0AA2	625750.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



For Non-Automatic ACBs please deduct ₹ 4320/- 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 - ₹ 28035/-

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

Std. Pkg. = 1 unit

\* LP - List Price

Circuit Breakers

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

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Motorized Operating Mechanism with Electrical closing	110-127	110-125	3WT9831-1JH00	66420.-
	220-240	220-250	3WT9831-1JK00	66420.-
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WT9851-1JB00	5685.-
	110-127	110-125	3WT9851-1JH00	5685.-
	220-240	220-250	3WT9851-1JK00	5685.-
Under Voltage Release Instantaneous	110-127	110-125	3WT9853-1JH00	5915.-
	208-240	220-250	3WT9853-1JK00	5915.-
	380-415	-	3WT9853-1JM00	5915.-
Auxiliary Terminal Block	Fixed circuit breaker		3WT9825-1JC00	4150.-
	Drawout circuit breaker		3WT9827-1JA00	4150.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	2405.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	12855.-
5 digit operating cycle counter			3WT9864-OCA00	9875.-
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker			3WT9867-1JC00	9180.-
Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-2JA00	9180.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	7790.-
Castell Lock			3WX3663-6JEL_#	3930.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-OJA00	2500.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	20430.-
	Size II		3WL9111-0AA22-0AA0	24845.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	22420.-
	Size II		3WL9111-0AA32-0AA0	25735.-

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

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

## Add-on options (Factory fitted)

NEW

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

## Retrofit solution

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

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

Std. Pkg. = 1 unit

\* LP - List Price

## ACB: SENTRON 3WL<sup>Plus</sup>

- 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....	288000.-	363805.-	190050.-	285085.-
	800	3WL1108....	291150.-	370955.-	195895.-	292355.-
	1000	3WL1110....	298835.-	396620.-	214990.-	308755.-
	1250	3WL1112....	361795.-	457565.-	264450.-	376885.-
	1600	3WL1116....	398910.-	502635.-	279885.-	405985.-
II	2000	3WL1220....	441475.-	559175.-	312485.-	447430.-
	2500	3WL1225....	496360.-	650215.-	317715.-	487265.-
	3200	3WL1232....	643025.-	883120.-	439570.-	739905.-
	4000	3WL1240....	739680.-	939275.-	598385.-	810920.-
III	5000	3WL1350....	1221955.-	1550370.-	1090845.-	1431910.-
	6300	3WL1363....	1642795.-	2064375.-	1424090.-	1877820.-

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	21380.-
Protection function LSIN with Current display	10220.-
Protection function LSING with Current display	30650.-

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	78550.-
110-127VAC, 110Vdc motor, closing coil & Shunt trip coil	78550.-

Motorized mechanism with other control voltages are available on request

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

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

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

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

Please consult your nearest sales office for complete ordering code.

### Add-on options (Factory fitted)

Description	Add LP* ₹
Spring Charge Signal Switch	6775.-
Door Interlock	5740.-
Position Signal Switch for Withdrawable Breaker	14855.-
Castell lock mounting kit*	4840.-
Mutual Mechanical Interlocking (Bowden wire)	Price on request
Metering function Plus (voltage transformer must be ordered separately)	
Profibus communication connection (COM15 + BSS)	
Modbus communication connection (COM16 + BSS)	
Modbus TCP/PROFINET communication connection (COM35 + BSS) <b>NEW</b>	

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

## Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	-	24	3WL9111-0AD01-0AA0	13130.-
	110	110	3WL9111-0AD05-0AA0	13130.-
	230	220	3WL9111-0AD06-0AA0	13130.-
Under Voltage Release (Instantaneous)	380-415	-	3WL9111-0AE06-0AA0	14515.-
Motorised Operating Mechanism	-	24-30	3WL9111-0AF01-0AA0	72585.-
	110-127	110-125	3WL9111-0AF03-0AA0	72585.-
	208-240	220-250	3WL9111-0AF04-0AA0	72585.-
Auxiliary Switch Block	2NO+2NC		3WL9111-0AG01-0AA0	8730.-
Castell Lock	-	-	3WX3663-6JEL_ \$	3930.-

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

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

Std. Pkg. = 1 unit

\* LP - List Price

# SIEMENS

*Ingenuity for life*



NEW

SENTRON

## Transfer control devices

### 3KC ATC6300 & 6500

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

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

# SETRON Auto transfer controllers

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



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

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

Description	Type No	Unit LP* ₹	Std. pkg. (nos.)
<b>Automatic Transfer Controllers</b>			
3KC ATC 3100 <sup>s</sup>	3KC9000-8EL10	61170.-	1
3KC ATC 6300	3KC9000-8TL40	88750.-	1
3KC ATC 6500	3KC9000-8TL50	Price on request	1
<b>Accessories   Expandable DI /DO Modules (For both ATC 6300 &amp; 6500)</b>			
ATC6 expansion module 4DI	3KC9000-8TL60	Price on request	1
ATC6 expansion module 4DO, SSR	3KC9000-8TL61	Price on request	1
ATC6 expansion module 2DI/2DO, SSR	3KC9000-8TL62	Price on request	1
ATC6 expansion module 2DO, relay	3KC9000-8TL63	Price on request	1
ATC6 expansion module 2DI/2DO, relay	3KC9000-8TL64	Price on request	1
<b>Expansion modules with communication interfaces (For both ATC 6300 &amp; 6500)</b>			
ATC6 RS 485 expansion module	3KC9000-8TL74	Price on request	1
ATC6 Ethernet expansion module	3KC9000-8TL75	Price on request	1
<b>USB Front interface (For both ATC 6300 &amp; 6500)</b>			
ATC6 USB front interface	3KC9000-8TL73	Price on request	1
<b>IP 65 Protective Gasket</b>			
For ATC 6300 144 x 144 mm	3KC9000-8TL67	Price on request	1
For ATC 6300 171 x 131 mm	3KC9000-8TL68	Price on request	1
<b>Other Accessories</b>			
Connection cable 3KC ATC3100 to MCCBs / ACBs	3KC9000-8EL62	12370.-	1

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

\* LP - List Price

Auto Transfer Controllers

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

Designed and tested with





# SIEMENS

*Ingenuity for life*



## SIMARIS software tools

SIMARIS suite <sup>New</sup> comfortable access to the SIMARIS planning tools

**Integrated and Safe planning of complete power distribution system  
SIMARIS design**

Power distribution network planning

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

**SIMARIS curves**

Visualization & evaluation:

- 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

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



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

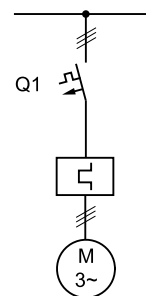
Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
40	3VT1704-2DA36-0AA0	10190.-	3VT1704-2EA46-0AA0	13765.-	1
63	3VT1706-2DA36-0AA0	10190.-	3VT1706-2EA46-0AA0	13765.-	1
80	3VT1708-2DA36-0AA0	10190.-	3VT1708-2EA46-0AA0	13765.-	1
100	3VT1710-2DA36-0AA0	10190.-	3VT1710-2EA46-0AA0	13765.-	1
125	3VT1712-2DA36-0AA0	13480.-	3VT1712-2EA46-0AA0	18655.-	1
160	3VT1716-2DA36-0AA0	18425.-	3VT1716-2EA46-0AA0	23335.-	1

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

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
16	3VT1701-2DC36-0AA0	11195.-	3VT1701-2EC46-0AA0	16880.-	1
25	3VT1792-2DC36-0AA0	11195.-	3VT1792-2EC46-0AA0	16880.-	1
32	3VT1703-2DC36-0AA0	11195.-	3VT1703-2EC46-0AA0	16880.-	1
40	3VT1704-2DC36-0AA0	11195.-	3VT1704-2EC46-0AA0	16880.-	1
63	3VT1706-2DC36-0AA0	11195.-	3VT1706-2EC46-0AA0	16880.-	1
80	3VT1708-2DC36-0AA0	11195.-	3VT1708-2EC46-0AA0	16880.-	1
100	3VT1710-2DC36-0AA0	11195.-	3VT1710-2EC46-0AA0	16880.-	1
125	3VT1712-2DC36-0AA0	14455.-	3VT1712-2EC46-0AA0	19770.-	1
160	3VT1716-2DC36-0AA0	19885.-	3VT1716-2EC46-0AA0	25315.-	1

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

Rated current I <sub>n</sub> (A)	3 Pole Type	Unit MRP <sup>®</sup> ₹	Std. pkg. (nos.)
16	3VT1701-2DM36-0AA0	11015.-	1
20	3VT1702-2DM36-0AA0	11015.-	1
25	3VT1792-2DM36-0AA0	11015.-	1
32	3VT1703-2DM36-0AA0	11015.-	1
40	3VT1704-2DM36-0AA0	11015.-	1
50	3VT1705-2DM36-0AA0	11015.-	1
63	3VT1706-2DM36-0AA0	11015.-	1
80	3VT1708-2DM36-0AA0	11015.-	1
100	3VT1710-2DM36-0AA0	11015.-	1



### Switch disconnecter

Rated current I <sub>n</sub> (A)	3 Pole		4 Pole		Std. pkg. (nos.)
	Type	Unit MRP <sup>®</sup> ₹	Type	Unit MRP <sup>®</sup> ₹	
160	3VT1716-2DE36-0AA0	15640.-	3VT1716-2EE46-0AA0	19705.-	1

Std. Pkg. = 1 unit

® MRP - Max. Retail Price

## Main switching unit without Trip Unit (ETU)

To be ordered along with trip unit or switch disconnecter unit

Frame Size	Breaking capacity (I <sub>cu</sub> , 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	10385.-	3VT2725-2AA46-0AA0	16140.-	1
3VT3		630	3VT3763-2AA36-0AA0	25360.-	3VT3763-2AA46-0AA0	35720.-	1
3VT2	65 kA	250	3VT2725-3AA36-0AA0	12965.-	3VT2725-3AA46-0AA0	20125.-	1
3VT3		630	3VT3763-3AA36-0AA0	29055.-	3VT3763-3AA46-0AA0	38570.-	1
3VT4		1000	3VT4710-3AA30-0AA0	48210.-			1
3VT5	55 kA	1600	3VT5716-3AA30-0AA0	72320.-			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	9210.-	1
	200	3VT9220-6AB00	13810.-	1
	250	3VT9225-6AB00	21890.-	1
3VT3	315	3VT9331-6AB00	18430.-	1
	400	3VT9340-6AB00	19590.-	1
	630	3VT9363-6AB00	24085.-	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	10950.-	1
	160	3VT9216-6AP00	11525.-	1
	250	3VT9225-6AP00	24195.-	1
3VT3	400	3VT9340-6AP00	24195.-	1
	630	3VT9363-6AP00	29965.-	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	8135.-	1
	160	3VT9216-6AC00	11410.-	1
	250	3VT9225-6AC00	24135.-	1
3VT3	250	3VT9325-6AC00	20850.-	1
	400	3VT9340-6AC00	20850.-	1
	630	3VT9363-6AC00	27420.-	1
3VT4	800	3VT9480-6AC00	22820.-	1
	1000	3VT9410-6AC00	71875.-	1
3VT5	1250	3VT9512-6AC00	77850.-	1
	1600	3VT9516-6AC00	131750.-	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	5765.-	1
3VT3	630	3VT9363-6DT00	9210.-	1
3VT4	1000	3VT9410-6DT00	32670.-	1
3VT5	1600	3VT9516-6DT00	43560.-	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)	1680.-	3VT9300-2AF10 (1NO+1NC)	2600.-	3VT9300-2AF10 (1NO+1NC)	2600.-	3VT9500-2AF10 (2NO+2NC)	4315.-	
				3VT9300-2AC10 (1NO)	1310.-	3VT9300-2AC10 (1NO)	1310.-			
Alarm Switch		3VT9100-2AH10 (Changeover Switch)	1680.-	3VT9300-2AD10 (1NC)	1310.-	3VT9300-2AD10 (1NC)	1310.-			
Shunt Release		AC 230V/ DC 220V	3VT9100-1SE00@	2270.-	3VT9300-1SE00\$	2945.-	3VT9300-1SE00\$	2945.-	3VT9500-1SJ00	3250.-
		AC/DC 110V	3VT9100-1SD00	2270.-	3VT9300-1SD00	2945.-	3VT9300-1SD00	2945.-	3VT9500-1SH00	3250.-
Under-voltage Release		AC 230V/ DC 220V	3VT9100-1UE00^	2795.-	3VT9300-1UE00\$	3565.-	3VT9300-1UE00\$	3565.-	3VT9500-1UJ00	3530.-
Spreader Links <sup>a</sup>		one set = 3 links (3 pole)	3VT9100-4ED30	725.-	3VT9200-4ED30-ORCO	925.-	3VT9300-4ED30-ORCO	1240.-		
		4 pole spreaders (one set = 4 links + 3 phase barriers)	3VT9100-4ED40-ORCO	940.-	3VT9200-4ED40-ORCO	1230.-	3VT9300-4ED40-ORCO	1605.-		
Motorised Drive		AC 230 V/ DC 220 V	3VT9100-3ME00*	9885.-	3VT9200-3MQ00	32375.-	3VT9300-3MQ00	33645.-	3VT9500-3MQ00	63070.-
		Extension cable <sup>3</sup>	3VT9100-3MF00	1855.-	3VT9300-3MF00	1855.-	3VT9300-3MF00	1855.-		
Phase Barriers		One set = 2 Pcs.	3VT9100-8CE30	700.-	3VT9300-8CE30	985.-	3VT9300-8CE30	985.-	3VT9500-8CE30	1080.-
Panel door mounted rotary operating handles <sup>2</sup>		1 set **	3VT9100-3HQ00	2090.-	3VT9200-3HQ00	2650.-	3VT9300-3HQ00	2855.-	3VT9500-3HQ00	6070.-
Castell Interlock Kit <sup>1</sup>		1 set (1 lock + 1 key)	8UC60700YQ..	4340.-	8UC60701YQ..	4340.-	8UC60701YQ..	4340.-	8UC60702YQ..	4455.-

### Earth fault monitoring relay

Description	Type	Unit LP* ₹
Earth fault monitoring relay	• Auxiliary voltage: 85-270V AC/DC • Change over contact: 2C/O • Width: 35mm module	7UG0861-1BU20 4570.-
CBCT for EFR: 160 frame Suitable for 3VT1	3P	7UG09910 1605.-
	4P	7UG09911 1830.-
CBCT for EFR: 250 frame Suitable for 3VT2	3P	7UG09912 1940.-
	4P	7UG09913 2285.-
CBCT for EFR: 630 frame Suitable for 3VT3	3P	7UG09914 2860.-
	4P	7UG09915 3090.-

### Earth leakage monitoring relay

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG08411CB20 4420.-
	230VAC	7UG08421CD20 4465.-
CBCT for ELR	35 mm dia	7UG0996 1625.-
	70 mm dia	7UG0997 1855.-
	120 mm dia	7UG0999 3125.-
	210 mm dia	7UG0994 5365.-
	310 mm dia	7UG0995 8345.-

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

#### Notes:

- The 11th and 12th place of the type reference will indicate the alphabet type of lock & key. Combinations available are A, B, C, D, A-, -B, -C, AB, AC. 11th place will be A, B, C, D for castell lock type A, B, C, D respectively. 11th and 12 place will be 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.
- For motorised operating mechanism, 12 wires, length 60 cm. Pre wired motorised drive cable to be ordered separately along with the motorised drive

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

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

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## 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	16495.-	3VL1796-1EH46-0AA0	21520.-	1
	20	3VL1702-1DA36-0AA0	16495.-	3VL1702-1EH46-0AA0	21520.-	1
	32	3VL1703-1DA36-0AA0	16495.-	3VL1703-1EH46-0AA0	21520.-	1
	63	3VL1706-1DA36-0AA0	16495.-	3VL1706-1EH46-0AA0	21520.-	1
	100	3VL1710-1DA36-0AA0	17250.-	3VL1710-1EH46-0AA0	22490.-	1
	125	3VL1712-1DA36-0AA0	24260.-	3VL1712-1EH46-0AA0	28375.-	1
	160	3VL1716-1DA36-0AA0	30205.-	3VL1716-1EH46-0AA0	35915.-	1

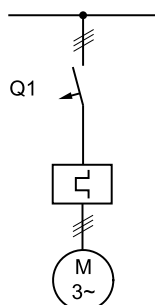
3VL MCCB, Thermal-magnetic trip unit (adjustable overload and short circuit), Icu = 55kA, 415V AC, 50 Hz

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	23550.-	3VL1702-1EA46-0AA0#	31405.-	1
	32	3VL1703-1DD36-0AA0	23550.-	3VL1703-1EA46-0AA0#	31405.-	1
	63	3VL1706-1DD36-0AA0	23550.-	3VL2706-1EM46-0AA0	31405.-	1
	100	3VL1710-1DD36-0AA0	24630.-	3VL2710-1EM46-0AA0	32845.-	1
	125	3VL1712-1DD36-0AA0	28140.-	3VL2712-1EM46-0AA0	35765.-	1
	160	3VL1716-1DD36-0AA0	35335.-	3VL2716-1EM46-0AA0	46255.-	1
VL 250	200	3VL3720-1DC36-0AA0	49355.-	3VL3720-1EM46-0AA0	68860.-	1
	250	3VL3725-1DC36-0AA0	53540.-	3VL3725-1EM46-0AA0	68860.-	1
VL 400	315	3VL4731-1DC36-0AA0	70700.-	3VL4731-1EM46-0AA0	86275.-	1
	400	3VL4740-1DC36-0AA0	70700.-	3VL4740-1EM46-0AA0	86275.-	1
VL 630	500	3VL5750-1DC36-0AA0	80920.-	3VL5750-1EM46-0AA0	96230.-	1
	630	3VL5763-1DC36-0AA0	80920.-	3VL5763-1EM46-0AA0	96230.-	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	37710.-	3VL1702-2EA46-0AA0#	48115.-	1
	32	3VL1703-2DD36-0AA0	37710.-	3VL1703-2EA46-0AA0#	48115.-	1
	63	3VL1706-2DD36-0AA0	37710.-	3VL2706-2EM46-0AA0	48115.-	1
	100	3VL1710-2DD36-0AA0	37710.-	3VL2710-2EM46-0AA0	48115.-	1
	125	3VL1712-2DD36-0AA0	53750.-	3VL2712-2EM46-0AA0	70015.-	1
	160	3VL1716-2DD36-0AA0	56095.-	3VL2716-2EM46-0AA0	71900.-	1
VL 250	200	3VL3720-2DC36-0AA0	60805.-	3VL3720-2EM46-0AA0	82715.-	1
	250	3VL3725-2DC36-0AA0	66180.-	3VL3725-2EM46-0AA0	82715.-	1
VL 400	315	3VL4731-2DC36-0AA0	71040.-	3VL4731-2EM46-0AA0	92350.-	1
	400	3VL4740-2DC36-0AA0	71040.-	3VL4740-2EM46-0AA0	92350.-	1
VL 630	500	3VL5750-2DC36-0AA0	88940.-	3VL5750-2EM46-0AA0	116530.-	1
	630	3VL5763-2DC36-0AA0	88940.-	3VL5763-2EM46-0AA0	116530.-	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	28440.-	3VL2706-2DK36-0AA0	35455.-	1
	100 A	3VL2710-1DK36-0AA0	28440.-	3VL2710-2DK36-0AA0	35455.-	1
	160 A	3VL2716-1DK36-0AA0	42850.-	3VL2716-2DK36-0AA0	54985.-	1
VL250	250 A	3VL3725-1DK36-0AA0	57630.-	3VL3725-2DK36-0AA0	65425.-	1
VL400	315 A	3VL4731-1DK36-0AA0	67610.-	3VL4731-2DK36-0AA0	70550.-	1
VL630	500 A	3VL5750-1DK36-0AA0	77860.-	3VL5750-2DK36-0AA0	81330.-	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	43555.-	3VL2706-1TA46-0AA0	56795.-	1
	100	3VL2710-1SB36-0AA0	43555.-	3VL2710-1TA46-0AA0	56795.-	1
	160	3VL2716-1SB36-0AA0	55280.-	3VL2716-1TA46-0AA0	76295.-	1
VL 250	200	3VL3720-1SB36-0AA0	73580.-	3VL3720-1TA46-0AA0	94480.-	1
	250	3VL3725-1SB36-0AA0	73580.-	3VL3725-1TA46-0AA0	94480.-	1
VL 400	315	3VL4731-1SB36-0AA0	79710.-	3VL4731-1TA46-0AA0	105510.-	1
	400	3VL4740-1SB36-0AA0	79710.-	3VL4740-1TA46-0AA0	105510.-	1
VL 630	630	3VL5763-1SB36-0AA0	89580.-	3VL5763-1TA46-0AA0	141830.-	1
VL 800	800	3VL6780-1SB36-0AA0	126115.-	3VL6780-1TA46-0AA0	179580.-	1
VL 1250	1000	3VL7710-1SB36-0AA0	172715.-	3VL7710-1TA46-0AA0	265175.-	1
	1250	3VL7712-1SB36-0AA0	221585.-	3VL7712-1TA46-0AA0	340045.-	1
VL 1600	1600	3VL8716-1SB30-0AA0	294185.-	3VL8716-1TA40-0AA0	399245.-	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	52255.-	3VL2706-2TA46-0AA0	64735.-	1
	100	3VL2710-2SB36-0AA0	52255.-	3VL2710-2TA46-0AA0	64735.-	1
	160	3VL2716-2SB36-0AA0	68520.-	3VL2716-2TA46-0AA0	87470.-	1
VL 250	200	3VL3720-2SB36-0AA0	76090.-	3VL3720-2TA46-0AA0	110815.-	1
	250	3VL3725-2SB36-0AA0	76090.-	3VL3725-2TA46-0AA0	110815.-	1
VL 400	315	3VL4731-2SB36-0AA0	83460.-	3VL4731-2TA46-0AA0	127205.-	1
	400	3VL4740-2SB36-0AA0	83460.-	3VL4740-2TA46-0AA0	127205.-	1
VL 630	630	3VL5763-2SB36-0AA0	99205.-	3VL5763-2TA46-0AA0	157915.-	1
VL 800	800	3VL6780-2SB36-0AA0	149780.-	3VL6780-2TA46-0AA0	196765.-	1
VL 1250	1000	3VL7710-2SB36-0AA0	229260.-	3VL7710-2TA46-0AA0	338125.-	1
	1250	3VL7712-2SB36-0AA0	271260.-	3VL7712-2TA46-0AA0	380155.-	1
VL 1600	1600	3VL8716-2SB30-0AA0	328595.-	3VL8716-2TA40-0AA0	402080.-	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	52585.-	3VL2706-1TN46-0AA0	66710.-	1
	100	3VL2710-1SL36-0AA0	52585.-	3VL2710-1TN46-0AA0	66710.-	1
	160	3VL2716-1SL36-0AA0	64765.-	3VL2716-1TN46-0AA0	86920.-	1
VL 250	200	3VL3720-1SL36-0AA0	89280.-	3VL3720-1TN46-0AA0	111815.-	1
	250	3VL3725-1SL36-0AA0	89280.-	3VL3725-1TN46-0AA0	111815.-	1
VL 400	315	3VL4731-1SL36-0AA0	96340.-	3VL4731-1TN46-0AA0	125650.-	1
	400	3VL4740-1SL36-0AA0	96340.-	3VL4740-1TN46-0AA0	125650.-	1
VL 630	630	3VL5763-1SL36-0AA0	104585.-	3VL5763-1TN46-0AA0	155860.-	1
VL 800	800	3VL6780-1SL36-0AA0	143165.-	3VL6780-1TN46-0AA0	195810.-	1
VL 1250	1000	3VL7710-1SL36-0AA0	189445.-	3VL7710-1TN46-0AA0	281830.-	1
	1250	3VL7712-1SL36-0AA0	236555.-	3VL7712-1TN46-0AA0	353995.-	1
VL 1600	1600	3VL8716-1SL30-0AA0	306515.-	3VL8716-1TN40-0AA0	411065.-	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	56015.-	3VL2706-2TN46-0AA0	74945.-	1
	100	3VL2710-2SL36-0AA0	61620.-	3VL2710-2TN46-0AA0	74945.-	1
	160	3VL2716-2SL36-0AA0	78515.-	3VL2716-2TN46-0AA0	114545.-	1
VL 250	200	3VL3720-2SL36-0AA0	91925.-	3VL3720-2TN46-0AA0	128980.-	1
	250	3VL3725-2SL36-0AA0	91925.-	3VL3725-2TN46-0AA0	128980.-	1
VL 400	315	3VL4731-2SL36-0AA0	102415.-	3VL4731-2TN46-0AA0	147600.-	1
	400	3VL4740-2SL36-0AA0	102415.-	3VL4740-2TN46-0AA0	147600.-	1
VL 630	630	3VL5763-2SL36-0AA0	113855.-	3VL5763-2TN46-0AA0	171390.-	1
VL 800	800	3VL6780-2SL36-0AA0	166000.-	3VL6780-2TN46-0AA0	212370.-	1
VL 1250	1000	3VL7710-2SL36-0AA0	243930.-	3VL7710-2TN46-0AA0	353210.-	1
	1250	3VL7712-2SL36-0AA0	284410.-	3VL7712-2TN46-0AA0	392650.-	1
VL 1600	1600	3VL8716-2SL30-0AA0	339630.-	3VL8716-2TN40-0AA0	433130.-	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	57665.-	3VL4740-1EE46-0AA0	70550.-	1
VL630	630	3VL5763-1DE36-0AA0	64535.-	3VL5763-1EE46-0AA0	74920.-	1
VL800	800	3VL6780-1DE36-0AA0	102680.-	3VL6780-1EE46-0AA0	123230.-	1
VL1250	1250	3VL7712-1DE36-0AA0	171180.-	3VL7712-1EE46-0AA0	260585.-	1
VL1600	1600	3VL8716-1DE30-0AA0	273895.-	3VL8716-1EE40-0AA0	346505.-	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	65360.-	3VL4740-2EE46-0AA0	79050.-	1
VL630	630	3VL5763-2DE36-0AA0	74695.-	3VL5763-2EE46-0AA0	91700.-	1
VL800	800	3VL6780-2DE36-0AA0	123460.-	3VL6780-2EE46-0AA0	164750.-	1
VL1250	1250	3VL7712-2DE36-0AA0	223435.-	3VL7712-2EE46-0AA0	278045.-	1
VL1600	1600	3VL8716-2DE30-0AA0	283220.-	3VL8716-2EE40-0AA0	356885.-	1

## Accessories for 3VL

Frame	VL 160 X / VL 160 / VL 250 / VL 400		VL 630 / VL 800 / VL 1250 / VL 1600		Std. pkg. (nos.)	
	Accessory	Type	Unit LP* ₹	Type		Unit LP* ₹
Auxiliary switch	3VL9400-2AB00 (1NO + 1NC)	2695.-	3VL9800-2AC00 (2NO + 2NC)	4945.-	1	
Auxiliary switch + Alarm switch	3VL9400-2AD00 (1NO + 1NC & 1NO)	4145.-	3VL9800-2AE00 (1NO + 1NC & 1NO)	5750.-	1	
Under voltage release 110 V AC 220 - 250 V AC 415 V AC 110 V DC	3VL9400-1UG00	6340.-	3VL9800-1UG00	7520.-	1	
	3VL9400-1UH00	6340.-	3VL9800-1UH00	7520.-	1	
	3VL9400-1UJ00	6340.-	3VL9800-1UJ00	7520.-	1	
	3VL9400-1UR00	6340.-	3VL9800-1UR00	7520.-	1	
Shunt release 24 V DC 110 - 127 V DC 110 - 127 V AC 208 - 277 V AC	3VL9400-1SC00	4770.-	3VL9800-1SC00	6355.-	1	
	3VL9400-1SK00	4770.-	3VL9800-1SK00	6355.-	1	
	3VL9400-1SR00	4770.-	3VL9800-1SR00	6355.-	1	
	3VL9400-1ST00	4770.-	3VL9800-1ST00	6355.-	1	
Rotary drive kit (including 8UC handle with door interlock defeat & padlocking facility)	3VL9.00-3HQ00		3VL9600-3HQ00 (VL630-VL800)	6230.-	1	
	1 (For VL 160X)	3810.-				
	3 (For VL 160/250)	3850.-	3VL9800-3HF05 (VL1250-VL1600)	14160.-	1	
Castell interlock kit* (To interlock two or more circuit breakers)	8UC6070-1YQ.. (For VL160X/VL160/VL250)	4340.-	8UC6070-2YQ.. (For VL630/VL800)	4455.-	1	
	8UC6070-2YQ.. (For VL400)	4455.-				
Motorised drive (Motorised operator-MO) 230-250V AC/DC	3VL9.00-3ME10		3VL9600-3ME10 (for VL630/800)	39575.-	1	
	1 (For VL160X)	27500.-				
	3 (For VL160/250)	29700.-				
Motorised drive (Stored Energy Operator -SEO) 220-250V AC/DC	3VL9.00-3MQ00		3VL9.00-3MQ00	77245.-	1	
	3 (For VL160X/VL160/VL250)	45690.-				6 (For VL630-VL800)
	4 (For VL 400)	61465.-				8 (For VL1250-VL1600)
Spreader links (with phase barriers)	3VL9216-4ED30 (VL160X/VL160-3P)	1610.-	3VL9500-4ED30 (VL630-3P)	2830.-	1	
	3VL9216-4ED40 (VL160X/VL160-4P)	1970.-	3VL9500-4ED40 <sup>SS</sup> (VL630-4P)	3140.-	1	
	3VL9300-4ED30 (VL250-3P)	2135.-	3VL9600-4ED30 (VL800-3P)	3445.-	1	
	3VL9300-4ED40 (VL250-4P)	2755.-	3VL9600-4ED40 <sup>SS</sup> (VL800-4P)	3900.-	1	
	3VL9400-4ED30 (VL400-3P)	2585.-	NA (for VL1250 / VL1600)			
3VL9400-4ED40 (VL400-4P)	2950.-					

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

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

NA - Not Available

Std. Pkg. = 1 unit

\* LP - List Price



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## (A) Hardware Solutions

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



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

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

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

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

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

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

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

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

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

Description	Type	Unit LP* ₹
PAC 3120 with integrated RS 485 port for MODBUS RTU Class 0.5 accuracy, screw terminals AC/DC wide voltage power supply 100 ... 250 V ±10% 50/60Hz	7KM3120-0BA01-1DA0# <b>NEW</b>	38340.-
PAC 3220 with integrated dual ethernet port for MODBUS TCP Class 0.5 accuracy, screw terminals With AC/DC wide voltage power supply 100 ... 250 V ±10% 50/60Hz	7KM3220-0BA01-1DA0# <b>NEW</b>	52380.-
PAC 4200 with integrated ethernet port for MODBUS TCP Class 0.2s accuracy, screw terminals With AC/DC wide voltage power supply 95...240V AC ±10%, 50/60Hz, 110...340V DC ±10%	7KM4212-0BA00-3AA0#	Price on request


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

Description	Type	Unit LP* ₹
PROFIBUS DP expansion module	7KM9300-0AB01-0AA0	18700.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	14440.-
Switched Ethernet PROFINET V3 expansion module	7KM9300-0AE02-0AA0 <b>NEW</b>	Price on request
Digital Expansion Module 4DI/2DO <sup>5</sup>	7KM9200-0AB00-0AA0	Price on request
Analog Expansion Module	7KM9200-0AD00-0AA0 <b>NEW</b>	Price on request


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

<sup>5</sup> To be used only with PAC 4200 and PAC 3220. Maximum 2 nos. can be connected if communication expansion module is not connected.  
For exact configuration, please contact the nearest Sales Office.

#### PAC EXPANSION Modules




7KM PAC 3200




7KM PAC 3220


MODBUS RTU




PROFIBUS DP




PROFINET




I(N), I(Diff), Analog



**NEW**



7KM PAC 4200



PAC 4DI/2DO

## (B) Software Solution

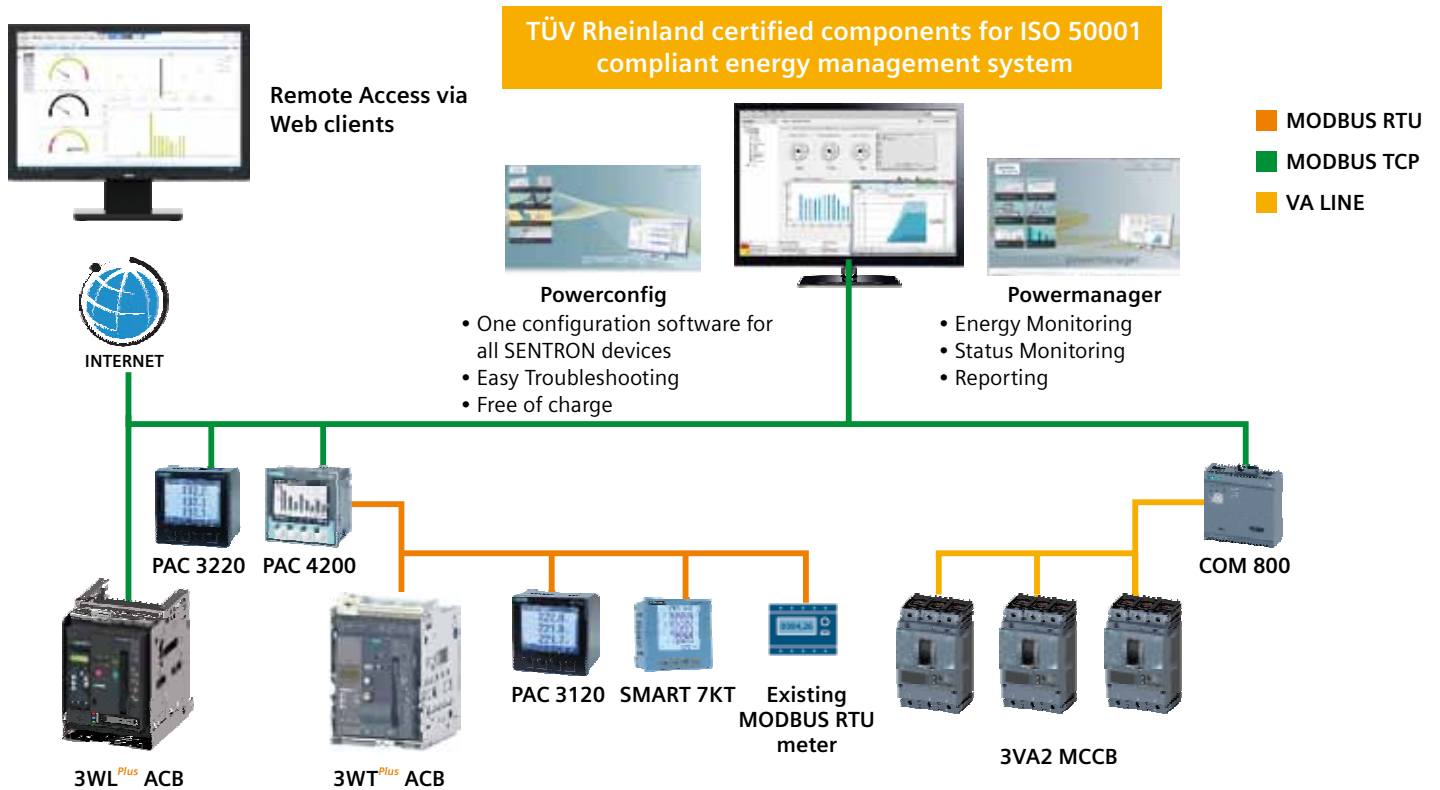
Description	Unit LP* ₹
SETRON powermanager 3.6: Complete Energy Management Software	Price on request

Std. Pkg. = 1 unit

\* LP - List Price



# Single Platform Energy Management Solution for LV power distribution



Energy Management System



## Power Quality Measurement

SENTRON 7KM PAC 5100/5200

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

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

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

For more details, contact your nearest Siemens partner.

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

Description	Type	Unit LP* ₹
PAC 2200 DIN rail meter with integrated RS 485 port for MODBUS RTU 65A direct connection Class 1 accuracy	7KM2200-2EA40-1DA1	25585.-
PAC 2200 DIN rail meter with integrated ethernet port for MODBUS TCP 65A direct connection Class 1 accuracy	7KM2200-2EA40-1EA1	Price on request
PAC3200T DIN rail meter with integrated ethernet port for MODBUS TCP High accuracy of class 0.5 Without display	7KM3200-0CA01-1AA0	Price on request

### PAC 2200 and PAC 3200T:

Reliable and Easy energy monitoring for DIN rail Applications

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



Std. Pkg. = 1 unit

\* LP - List Price

Energy Management System

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

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

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

# SIEMENS

*Ingenuity for life*



SENTRON

## Fuse Switch Disconnectors - 3NP1

End to end safety for user and systems

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

**i**



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

# SENTRON 3NP1 Fuse Switch Disconnectors up to 630A

## Reliable safety of personnel and systems

**Overview:**

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

**Application:**

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

**Benefits:**

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

### 3NP1 with Floor mounting

#### 3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>1)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA20	3250.-
				3	3NP1123-1CA20	5700.-
				4	3NP1124-1CA20	10315.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA10	3400.-
				3	3NP1133-1CA10	5960.-
				4	3NP1134-1CA10	10750.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA10	9970.-
				3	3NP1143-1DA10	17445.-
				4	3NP1144-1DA10	29645.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA10	13715.-
				3	3NP1153-1DA10	23910.-
				4	3NP1154-1DA10	40100.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA10	18250.-
				3	3NP1163-1DA10	32035.-
				4	3NP1164-1DA10	53200.-

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

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA24	11390.-
				3	3NP1123-1CA24	17630.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA14	11545.-
				3	3NP1133-1CA14	17790.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA14	18100.-
				3	3NP1143-1DA14	29645.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA14	22000.-
				3	3NP1153-1DA14	36665.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA14	26525.-
				3	3NP1163-1DA14	44780.-

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



1-pole



3-pole



2-pole



4-pole



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

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

### Configurator for 3NP1

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



## 3NP1 mounting on 8US busbar

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

3NP1 without fuse monitoring

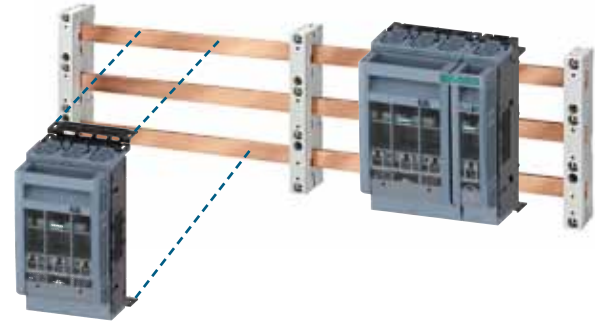
Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	3	3NP1123-1BB20	7985.-
160	00	000,00	Flat		3NP1133-1BB10	9055.-
			Box		3NP1133-1BB20	9640.-

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

3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	3	3NP1123-1BC20	8440.-
				4	3NP1124-1BC20	14570.-
160 <sup>2)</sup>	00	00	Flat	3	3NP1133-1BC10	9055.-
				4	3NP1134-1BC10	15150.-
250 <sup>2)</sup>	1	1	Flat	3	3NP1143-1BC10	28875.-
				4	3NP1144-1BC10	46645.-
400 <sup>2)</sup>	2	2	Flat	3	3NP1153-1BC10	40520.-
				4	3NP1154-1BC10	60690.-
630 <sup>2)</sup>	3	3	Flat	3	3NP1163-1BC10	47370.-
				4	3NP1164-1BC10	75140.-

8US busbar system



## Accessories for 3NP1



### Auxiliary contact (1CO type)

3NP1 Size	Type	Unit LP* ₹
000	3NP1920-1FA00	1360.-
00	3NP1930-1FA00	1360.-
1,2,3	3NP1940-1FA00	1475.-



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

3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1BD00	1715.-
		3	3NP1923-1BD00	3830.-

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

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

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

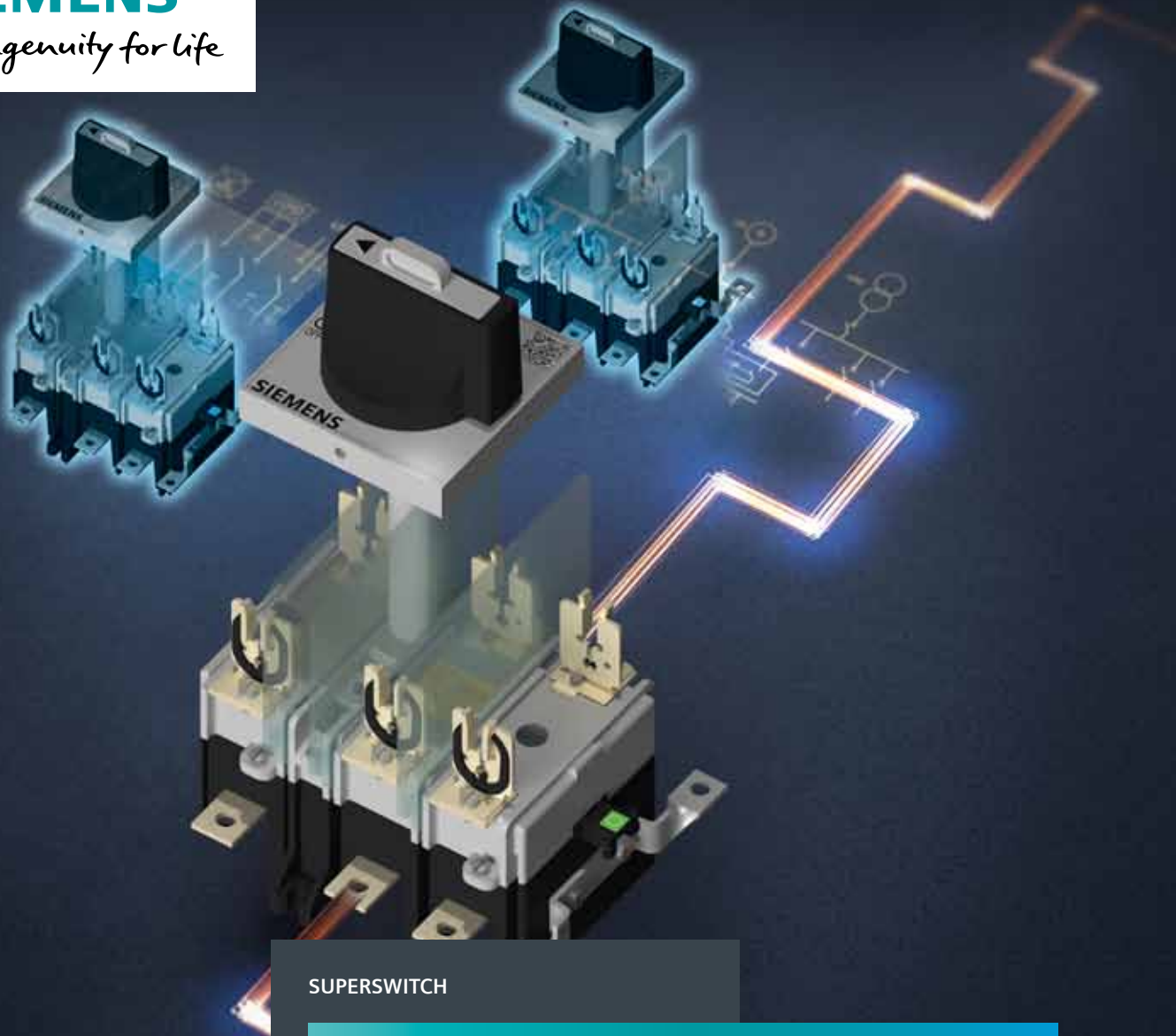
3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1EE10	Price on request
00			3NP1931-1EE10	

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

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

# SIEMENS

*Ingenuity for life*



SUPERSWITCH

## Switch Disconnecter Fuse - 3KL8

**Safe. Reliable. Efficient.**

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



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

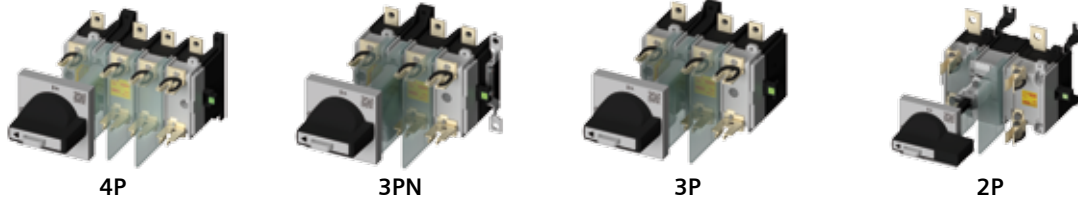


# Superswitch 3KL8

NEW

- Wide range : Up to 800A in SDF and 1600A in SD
- Available in 2P,3P,3PN & 4P variants
- Suitable for isolation as per IS/IEC 60947-3
- Unique positive off indication
- Suitable for AC23A Duty @ 690V AC, 50Hz

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



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

Rated current I <sub>n</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-4TA00	2215.-	3KL8111-4TJ00	2450.-	3KL8111-4TC00	2400.-	1
32A	3KL8121-4TA00	2295.-	3KL8121-4TJ00	3060.-	3KL8121-4TC00	2410.-	1
63A	3KL8151-4TA00	3215.-	3KL8151-4TJ00	3875.-	3KL8151-4TC00	3265.-	1
100A	3KL8171-4TA00	5040.-	-	-	-	-	1
100A	3KL8211-4TA00	7240.-	3KL8211-4TJ00	8260.-	-	-	1
125A	3KL8221-4TA00	9280.-	3KL8221-4TJ00	10300.-	-	-	1
160A	3KL8231-4TA00	10300.-	3KL8231-4TJ00	11425.-	-	-	1
200A	3KL8311-4UA00	13775.-	3KL8311-4UJ00	13650.-	-	-	1
250A	3KL8321-4UA00	16050.-	3KL8321-4UJ00	16180.-	-	-	1
315A	3KL8331-4UA00	19825.-	3KL8331-4UJ00	19965.-	-	-	1
400A	3KL8341-4UA00	23895.-	3KL8341-4UJ00	24025.-	-	-	1
500A	3KL8411-4UA00	37035.-	3KL8411-4UJ00	37175.-	-	-	1
630A	3KL8421-4UA00	38395.-	3KL8421-4UJ00	38525.-	-	-	1
800A <sup>§</sup>	3KL8431-4UA00	41605.-	3KL8431-4UJ00	41735.-	-	-	1

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

Rated current I <sub>n</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-5TA00	2200.-	3KL8111-5TJ00	2190.-	3KL8111-5TC00	2145.-	1
32A	3KL8121-5TA00	2260.-	3KL8121-5TJ00	2250.-	3KL8121-5TC00	2195.-	1
63A	3KL8151-5TA00	3190.-	3KL8151-5TJ00	3140.-	3KL8151-5TC00	3045.-	1
100A	3KL8171-5TA00	4480.-	-	-	-	-	1
100A	3KL8211-5TA00	6300.-	3KL8211-5TJ00	6355.-	-	-	1
125A	3KL8221-5TA00	8315.-	3KL8221-5TJ00	8355.-	-	-	1
160A	3KL8231-5TA00	8985.-	3KL8231-5TJ00	9120.-	-	-	1
200A	3KL8311-5UA00	11795.-	3KL8311-5UJ00	12150.-	-	-	1
250A	3KL8321-5UA00	14010.-	3KL8321-5UJ00	14395.-	-	-	1
315A	3KL8331-5UA00	17315.-	3KL8331-5UJ00	17765.-	-	-	1
400A	3KL8341-5UA00	20865.-	3KL8341-5UJ00	21375.-	-	-	1
500A	3KL8411-5UA00	32335.-	3KL8411-5UJ00	33075.-	-	-	1
630A	3KL8421-5UA00	33525.-	3KL8421-5UJ00	34270.-	-	-	1
800A <sup>§</sup>	3KL8431-5UA00	36320.-	3KL8431-5UJ00	37135.-	-	-	1

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

Rated current I <sub>n</sub> @ 690V 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-1TA00	2185.-	1
32A	3KL8121-1TA00	2220.-	1
63A	3KL8151-1TA00	3160.-	1
100A	3KL8211-1TA00	6185.-	1
125A	3KL8221-1TA00	7820.-	1
160A	3KL8231-1TA00	8655.-	1
200A	3KL8311-1UA00	11735.-	1
250A	3KL8321-1UA00	13930.-	1
315A	3KL8331-1UA00	17215.-	1
400A	3KL8341-1UA00	20730.-	1
500A	3KL8411-1UA00	31840.-	1
630A	3KL8421-1UA00	33315.-	1
800A <sup>§</sup>	3KL8431-1UA00	36095.-	1



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

Notes:

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

3KL8: Unit MRPs are without fuses

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

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

Refer the OIS for changes in dimension

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

# Superswitch 3KL8

NEW

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

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A <sup>®</sup>	3KL8111-2TA00	2140.-	-	-	3KL8111-2TC00	2120.-	1
32A <sup>®</sup>	3KL8121-2TA00	2175.-	-	-	3KL8121-2TC00	2145.-	1
63A <sup>®</sup>	3KL8151-2TA00	3100.-	-	-	3KL8151-2TC00	2985.-	1
100A <sup>®</sup>	3KL8171-2TA00	4255.-	-	-	-	-	1
100A	3KL8211-2TA00	6030.-	3KL8211-2TJ00	6275.-	-	-	1
125A	3KL8221-2TA00	7655.-	3KL8221-2TJ00	8260.-	-	-	1
160A	3KL8231-2TA00	7960.-	3KL8231-2TJ00	8975.-	-	-	1
200A	3KL8311-2UA00	10125.-	3KL8311-2UJ00	11220.-	-	-	1
250A	3KL8321-2UA00	12030.-	3KL8321-2UJ00	12955.-	-	-	1
315A	3KL8331-2UA00	15330.-	3KL8331-2UJ00	15810.-	-	-	1
400A	3KL8341-2UA00	18275.-	3KL8341-2UJ00	18665.-	-	-	1
500A	3KL8411-2UA00	25160.-	3KL8411-2UJ00	32640.-	-	-	1
630A	3KL8421-2UA00	29510.-	3KL8421-2UJ00	33760.-	-	-	1
800A <sup>§</sup>	3KL8431-2UA00	34055.-	3KL8431-2UJ00	36720.-	-	-	1



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

Rated current I <sub>e</sub> @690V 50Hz	Suitable fuse type	3PN	Unit MRP* ₹	4P	Unit MRP* ₹	Std. pkg. (nos.)
20A	DIN	3KL8111-5TA10	4640.-	3KL8111-4TA10	4945.-	1
	BS	3KL8111-5TJ10	4565.-	3KL8111-4TJ10	5000.-	1
	CYL	3KL8111-5TC10	4485.-	3KL8111-4TC10	4795.-	1
32A	DIN	3KL8121-5TA10	4765.-	3KL8121-4TA10	5100.-	1
	BS	3KL8121-5TJ10	4705.-	3KL8121-4TJ10	5200.-	1
	CYL	3KL8121-5TC10	4620.-	3KL8121-4TC10	4855.-	1
63A	DIN	3KL8151-5TA10	5660.-	3KL8151-4TA10	6120.-	1
	BS	3KL8151-5TJ10	5535.-	3KL8151-4TJ10	6220.-	1
	CYL	3KL8151-5TC10	5400.-	3KL8151-4TC10	5305.-	1
100A	DIN	3KL8211-5TA10	9220.-	3KL8211-4TA10	9690.-	1
	BS	3KL8211-5TJ10	9095.-	3KL8211-4TJ10	9545.-	1
125A	DIN	3KL8221-5TA10	10935.-	3KL8221-4TA10	11480.-	1
	BS	3KL8221-5TJ10	10825.-	3KL8221-4TJ10	11370.-	1
160A	DIN	3KL8231-5TA10	11730.-	3KL8231-4TA10	12315.-	1
	BS	3KL8231-5TJ10	11620.-	3KL8231-4TJ10	12200.-	1
200A	DIN	3KL8311-5UA10	16060.-	3KL8311-4UA10	17950.-	1
	BS	3KL8311-5UJ10	16180.-	3KL8311-4UJ10	18360.-	1
250A	DIN	3KL8321-5UA10	18205.-	3KL8321-4UA10	19115.-	1
	BS	3KL8321-5UJ10	18330.-	3KL8321-4UJ10	19245.-	1
315A	DIN	3KL8331-5UA10	21655.-	3KL8331-4UA10	22745.-	1
	BS	3KL8331-5UJ10	21775.-	3KL8331-4UJ10	22865.-	1
400A	DIN	3KL8341-5UA10	25190.-	3KL8341-4UA10	26450.-	1
	BS	3KL8341-5UJ10	25300.-	3KL8341-4UJ10	26565.-	1
500A	DIN	3KL8411-5UA10	38475.-	3KL8411-4UA10	40400.-	1
	BS	3KL8411-5UJ10	38595.-	3KL8411-4UJ10	40525.-	1
630A	DIN	3KL8421-5UA10	40855.-	3KL8421-4UA10	42900.-	1
	BS	3KL8421-5UJ10	40980.-	3KL8421-4UJ10	43030.-	1
800A <sup>§</sup>	DIN	3KL8431-5UA10	43865.-	3KL8431-4UA10	46060.-	1
	BS	3KL8431-5UJ10	43980.-	3KL8431-4UJ10	46180.-	1



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

Rated current I <sub>e</sub> @690V 50Hz	Enclosure type	Unit MRP* ₹	Std. pkg. (nos.)
20A-160A	3KX8235-4AC	3040.-	1
200A-400A	3KX8345-4AC <sup>#</sup>	4045.-	1
500A-800A	3KX8435-4AC <sup>##</sup>	6630.-	1

# Enclosure for 200A-1600A, 4-pole SDF/ SD, please contact Siemens sales office

\$\$ Above 800A, recommended to be used along with gland box 3KX8435-4DC (2nos.)

@ In 3P housing

^ SS stands for Sheet Steel

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

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

Notes:

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

3KL8: Unit MRPs are without fuses

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

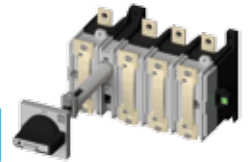
Please scan the QR code for Catalog and Operating instruction sheets (OIS)

Refer the OIS for changes in dimension

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

# Superswitch 3KA8

NEW



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

Rated current I <sub>n</sub> @690V 50Hz	2P	Unit MRP* ₹	3PN	Unit MRP* ₹	4P	Unit MRP* ₹	Std. pkg. (nos.)
63A	3KA8151-2TE00 <sup>®</sup>	2395.-	3KA8151-5TE00	2960.-	3KA8151-4TE00	4080.-	1
100A	-	-	3KA8171-5TE00	4370.-	3KA8171-4TE00	7840.-	1
100A	3KA8211-2TE00	4385.-	3KA8211-5TE00	5610.-	3KA8211-4TE00	8670.-	1
125A	3KA8221-2TE00	5510.-	3KA8221-5TE00	6730.-	3KA8221-4TE00	10200.-	1
160A	3KA8231-2TE00	7140.-	3KA8231-5TE00	9180.-	3KA8231-4TE00	12850.-	1
200A	3KA8311-2UE00	8670.-	3KA8311-5UE00	10810.-	3KA8311-4UE00	13050.-	1
250A	3KA8321-2UE00	9485.-	3KA8321-5UE00	11830.-	3KA8321-4UE00	16030.-	1
400A	3KA8341-2UE00	13160.-	3KA8341-5UE00	17340.-	3KA8341-4UE00	22800.-	1
630A <sup>§</sup>	3KA842□-2UE00	21115.-	3KA842□-5UE00	27030.-	3KA842□-4UE00	32640.-	1
800A <sup>§</sup>	3KA843□-2UE00	22030.-	3KA843□-5UE00	28150.-	3KA843□-4UE00	37450.-	1
1000A <sup>§</sup>	3KA844□-2UE00	29480.-	3KA844□-5UE00	37740.-	3KA844□-4UE00	44230.-	1
1250A <sup>§</sup>	3KA845□-2UE00	38760.-	3KA845□-5UE00	48960.-	3KA845□-4UE00	56465.-	1
1600A <sup>§</sup>	3KA846□-2UE00	42840.-	3KA846□-5UE00	52020.-	3KA846□-4UE00	75375.-	1

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

@ In 3P housing

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

Notes:

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

3KL8: Unit MRPs are without fuses

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

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

Refer the OIS for changes in dimension

## Accessories for Superswitch 3KL8 / 3KA8

Description	Pole	Fuse type	3KL81 11/21/51/71 3KA81 51/71	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41	Unit MRP* ₹	3KL84 11/21/31 3KA84 2/3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)
Fuse cover <sup>2)</sup> <b>NEW</b>	2P	DIN	3KX8150-OAE	200.-	3KX8230-OJF	485.-	3KX8340-OAF	710.-	3KX8430-OJF	1005.-	1
		BS			3KX8230-OHF	485.-			3KX8430-OHF	1005.-	1
	3P	DIN			3KX8230-OJE	485.-	3KX8340-OAE	710.-	3KX8430-OJE	1005.-	1
		BS			3KX8230-OHE	485.-			3KX8430-OHE	1005.-	1
	4P	DIN	3KX8150-OAG	340.-	3KX8230-OJG	485.-	3KX8340-OAG	710.-	3KX8430-OJG	1005.-	1
		BS			3KX8230-OHG	485.-			3KX8430-OHG	1005.-	1
Terminal cover (1set = 2pieces) <b>NEW</b>	2P	-	3KX8151-OAE	95.-	3KX8231-OAF	410.-	3KX8341-OAF	780.-	3KX8431-OAF	910.-	1
	3P	-			3KX8231-OAE	410.-	3KX8341-OAE	780.-	3KX8431-OAE	910.-	1
	4P	-			3KX8231-OAG	410.-	3KX8341-OAG	780.-	3KX8431-OAG	910.-	1
Phase barrier <b>NEW</b>	-	DIN/ BS/ Cylindrical	3KX8153-OAE	40.-	3KX8153-OAE (DIN)	40.-	3KX8343-OAE	125.-	3KX8433-OAE	185.-	1
					3KX8233-OJE (BS)	40.-				1	
Fuse cover phase barrier kit <sup>3)</sup> <b>NEW</b>	-	-	-	-	-	-	3KX8340-9AE	395.-	3KX8440-9AE	395.-	1
Auxiliary Switch (1NO+1NC)	-	-	3SB5400-0A <sup>^</sup>	185.-	3KX3522-1YC	625.-	3KX3552-1YC	750.-	3KX3582-1YC	910.-	1
Auxiliary Switch (2NO+2NC)	-	-	-	-	3KX3522-1YD	1125.-	3KX3582-1YD	1630.-	3KX3582-1YD	1760.-	1
Auxiliary switch cover	-	-	3KX8154-0AC	70.-	3KX8234-0AC	70.-	-	-	-	-	1
Front Drive (Handle) <b>NEW</b>	-	-	8UC6114-1BB00	830.-	8UC6214-1BB00	940.-	8UC6314-1BB00	1420.-	8UC6414-1BB00	2075.-	1
Operating shaft (300mm)	-	-	8UC60-31	230.-	8UC60-32	280.-	8UC60-34	540.-	8UC60-34	540.-	1
Castell interlock <sup>1)</sup>	-	-	8UC6070-0YQ..	4340.-	8UC6070-1YQ..	4340.-	8UC6070-2YQ..	4455.-	8UC6070-2YQ..	4455.-	1
Key interlock	-	-	-	-	-	-	3KX3588-1YP(.) <sup>#</sup>	2040.-	3KX3588-1YP(.) <sup>#</sup>	2040.-	1
Depth setting template	-	-	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	1
Fuse Monitor <sup>^</sup>	-	-	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	1
Fuse safety Barrier	-	-	3KX8150-1AC	105.-	3KX8230-1AC	140.-	-	-	-	-	1
Gland Box with 1no. Gland plate	-	-	3KX8235-4DC	3525.-	3KX8235-4DC	3525.-	3KX8345-4DC	4870.-	3KX8435-4DC	7165.-	1
Gland Plate	-	-	3KX8235-4GC	725.-	3KX8235-4GC	725.-	3KX8345-4GC	915.-	3KX8435-4GC	1075.-	1

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

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

2) Additionally order "Fuse cover phase barrier kit" with Fuse cover for 200A - 800A SDF

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

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

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

## Superswitch 3KL8

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

Rated current I <sub>n</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-3TA00	2665.-	3KL8111-3TJ00	2585.-	3KL8111-3TC00	2625.-	1
32A	3KL8121-3TA00	2735.-	3KL8121-3TJ00	2670.-	3KL8121-3TC00	2710.-	1
63A	3KL8151-3TA00	3860.-	3KL8151-3TJ00	3735.-	3KL8151-3TC00	3765.-	1
100A	3KL8211-3TA00	7705.-	3KL8211-3TJ00	7560.-			1
125A	3KL8221-3TA00	10080.-	3KL8221-3TJ00	9945.-			1
160A <sup>§</sup>	3KL8231-3TA00	10995.-	3KL8231-3TJ00	10845.-			1
200A	3KL8311-3UA00	14050.-	3KL8311-3UJ00	14185.-			1
250A	3KL8321-3UA00	16520.-	3KL8321-3UJ00	16815.-			1
315A	3KL8331-3UA00	20425.-	3KL8331-3UJ00	20755.-			1
400A <sup>§</sup>	3KL8341-3UA00	24605.-	3KL8341-3UJ00	24975.-			1
500A	3KL8411-3UA00	38495.-	3KL8411-3UJ00	38635.-			1
630A	3KL8421-3UA00	39550.-	3KL8421-3UJ00	40030.-			1
800A <sup>§</sup>	3KL8431-3UA00	42840.-	3KL8431-3UJ00	43385.-			1

Notes:

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

\$ AC23A @500V AC

All SDF Unit MRPs are without fuses

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

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

Description	3KL81 11/21/51 3KA81 51	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41/51	Unit MRP* ₹	3KL84 11/21/31 3KA84 3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	340.-	3KX8230-0AC	485.-	3KX8340-0AC	710.-	3KX8430-0AC	1005.-	1
Terminal Cover (1 set)	-		3KX8231-0AC	410.-	3KX8341-0AC	780.-	3KX8431-0AC	910.-	1
Isolable Neutral cover	-		3KX8232-0AC	205.-	3KX8342-0AC	335.-	3KX8432-0AC	410.-	1
Phase Barrier <sup>§§</sup>	3KX8153-0AC	140.-	3KX8233-0AC	140.-	3KX8343-0AC	200.-	3KX8433-0AC	255.-	1
Auxiliary Switch (1NO+1NC)	3SB5400-0A*	185.-	3KX3522-1YC	625.-	3KX3552-1YC	750.-	3KX3582-1YC	910.-	1
Auxiliary Switch (2NO+2NC)	-		3KX3522-1YD	1125.-	3KX3552-1YD	1630.-	3KX3582-1YD	1760.-	1
Auxiliary switch cover	3KX8154-0AC	70.-	3KX8234-0AC	70.-	-		-		1
Front Drive (Handle)	8UC616	830.-	8UC626	940.-	8UC6314-1BB00	1420.-	8UC6414-1BB00	2075.-	1
Operating shaft (300mm)	8UC60-31	230.-	8UC60-32	280.-	8UC60-34	540.-	8UC60-34	540.-	1
Castell interlock <sup>1)</sup>	8UC60700YQ..	4340.-	8UC6070-1YQ..	4340.-	8UC6070-2YQ..	4455.-	8UC6070-2YQ..	4455.-	1
Key interlock	-		-		3KX3588-1YP(.) <sup>#</sup>	2040.-	3KX3588-1YP(.) <sup>#</sup>	2040.-	1
Depth setting template	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	8UC6046-2	45.-	1
Fuse Monitor <sup>^</sup>	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	3VU1340-1MS00	5430.-	1
Fuse safety Barrier	3KX8150-1AC	105.-	3KX8230-1AC	140.-	-		-		1
Gland Box with 1 no. gland plate	3KX8235-4DC	3525.-	3KX8235-4DC	3525.-	3KX8345-4DC	4870.-	3KX8435-4DC	7165.-	1
Gland Plate	3KX8235-4GC	725.-	3KX8235-4GC	725.-	3KX8345-4GC	915.-	3KX8435-4GC	1075.-	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, OB, OC, AB, AC for castell lock type A-, -B, -C, AB, AC respectively.

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

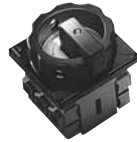
## Main control and EMERGENCY STOP switches 3LD2

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



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

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



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

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



No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2003-0TK5□	2430.-
	25	9.5	3LD2103-0TK5□	2685.-
	32	11.5	3LD2203-0TK5□	2995.-
	63	22	3LD2504-0TK5□	5130.-
	100	37	3LD2704-0TK5□	7780.-
	125	45	3LD2804-0TK5□	9910.-
	160	75	3LD2305-0TK1□	Price on request
	250	132	3LD2405-0TK1□	

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□	2170.-
	25	9.5	3LD2122-0TK1□	2380.-
	32	11.5	3LD2222-0TK1□	2885.-

□ - 1: Black OR  
□ - 3: Red/yellow

□ - 1: Black OR  
□ - 3: Red/yellow

### Changeover switches with selector switch operating mechanism

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



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



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	5320.-
	32	11.5	3LD2223-7UK01	5820.-
	63	22	3LD2524-7UK01	9630.-
	100	37	3LD2724-7UK01	17905.-
	160	75	3LD2305-7UK01	Price on request
	250	132	3LD2405-7UK01	

No of Poles	Rated current (A) Ie AC21A	Motor KW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD21657UB01	8520.-
	32	11.5	3LD22657UB01	9685.-
	63	22	3LD25667UB01	21015.-
	100	37	3LD27667UB01	34585.-

### 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



### 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	3LD2013-0TK5□	3890.-
	25	9.5	3LD2113-0TK5□	4320.-
	32	11.5	3LD2213-0TK5□	4765.-
	63	22	3LD2514-0TK5□	5715.-
	100	37	3LD2714-0TK5□	9385.-
	125	45	3LD2814-0TK5□	11720.-
	160	75	3LD2318-0TK1□	Price on request
	250	132	3LD2418-0TK1□	

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□	3460.-
	25	9.5	3LD2164-0TB5□	3755.-
	32	11.5	3LD2264-0TB5□	4460.-
	63	22	3LD2565-0TB5□	7385.-
	100	37	3LD2766-0TB5□	16790.-
	125	45	3LD2866-0TB5□	30385.-

□ - 1: Black OR  
□ - 3: Red/yellow

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

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

### Configurator for 3LD

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



## Accessories for 3LD2

Mounting	Description	For Switch	Type	Unit LP* ₹	Std. pkg. (nos.)	
For front mounting switch	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 (25A) and 3LD22 (32A)	3LD92200B	1090.-	1	
		3LD25 (63A)	3LD92500BA	1605.-	1	
		3LD27 (100A) and 3LD28 (125A)	3LD92800B	1995.-	1	
		3LD23 (160A) and 3LD24 (250A)	3LD92400B	Price on request	1	
	N or PE terminal Continuous	3LD20 (16A)	3LD92002B	730.-	1	
		3LD21 (25A) and 3LD22 (32A)	3LD92202B	835.-	1	
		3LD25 (63A)	3LD92502BA	1095.-	1	
		3LD27 (100A) and 3LD28 (125A)	3LD92802B	1335.-	1	
		3LD23 (160A) and 3LD24 (250A)	3LD92402B	Price on request	1	
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD92005B	1215.-	1	
	For floor and distribution board mounting switch or 3LD2 switch in moulded-plastic enclosure	Add on switched 4th pole (N Conductor Leading switch ON, delayed switch OFF)	3LD21 (25A) and 3LD22 (32A)	3LD92200C	1090.-	1
			3LD25 (63A)	3LD92500CA	1605.-	1
3LD27 (100A) and 3LD28 (125A)			3LD92800C	1995.-	1	
3LD23 (160A) and 3LD24 (250A)			3LD92400C	Price on request	1	
N or PE terminal Continuous		3LD20 (16A)	3LD92002C	990.-	1	
		3LD21 (25A) and 3LD22 (32A)	3LD92202C	835.-	1	
		3LD25 (63A)	3LD92502CA	1095.-	1	
		3LD27 (100A) and 3LD28 (125A)	3LD92802C	1335.-	1	
		3LD23 (160A) and 3LD24 (250A)	3LD92402C	Price on request	1	
Auxiliary switches For mounting on left and/or right 1NO+1NC		3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD92005C	1150.-	1	
Terminal cover for touch protection can be snapped on at top & bottom for front, floor and distribution board mounting		4 pole	3LD20 (16A)	3LD92011A	375.-	4
		3 pole	3LD21 (25A) and 3LD22 (32A)	3LD92210A	345.-	4
	3 pole	3LD25 (63A)	3LD92510A	385.-	4	
	1 pole	3LD27 (100A) and 3LD28 (125A)	3LD92812A	185.-	4	
	1 pole	3LD23 (160A) and 3LD24 (250A)	3LD92412A	Price on request	4	
For front (four hole mounting only) and floor mounting switch or 3LD2 switch in moulded-plastic enclosure	Auxiliary switch, front-mounted, for long leading times 1NO+1NC, lagging switch-on, leading switch-off (20 ms to 150 ms) <b>NEW</b>	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD92805D	Price on request	1	
		3LD23 and 3LD24	3LD92405D	Price on request	1	

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



NEW

## 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	1960.-	10
		30	■ 3LA0601-1YB	4555.-	5
	System selector	5.5	■ 3LA0202-1YA	2235.-	10
		30	3LA0602-1YB	6370.-	5
	Reversing	5.5	■ 3LA0203-1YA	2235.-	10
		30	■ 3LA0603-1YB	6370.-	5
	Star-delta	12	3LA0204-5YA	3155.-	10
		30	3LA0604-1YB	8670.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	2235.-	10
		5.5	3LA0205-1YA	3015.-	10
5.5		3LA0205-3YA	4325.-	10	

■ Stock items

\* LP - List Price

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



Description	Type	Unit LP* ₹	Std. pkg. (nos.)
Ball handle – Black	■ 3LX0 211-1YA	120.-	10
Machine handle – Black	3LX0 611-2YA	320.-	10
Indicating dial for size 2	■ 3LX0 220-1YA	90.-	10
Indicating dial for size 6	■ 3LX0 620-1YA	90.-	10
Catching lever for the drive mechanism of size 2 switch (2 nos. reqd. per switch)	3LY0 220-2YA	90.-	10
Tension spring for the drive mechanism of size 2 switch	3LY0 210-1YA	80.-	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	1345.-	10
	63	52	3LA0605-1YB	3225.-	5
4	25	16	■ 3LA0205-5YA	2235.-	10
	63	52	■ 3LA0605-2YB	5890.-	5

# SIEMENS

*Ingenuity for life*



## 3LD4 Control Switches

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

## 3LD4 Control Switches

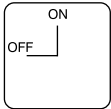
The 3LD4 Control Switches are cam operated switches suitable for use in a wide variety of control and auxiliary circuit applications.

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



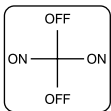
## ON OFF Switches

### 90° operation



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1AA00-ORCO	1 Pole	140.-	265.-	315.-	330.-	340.-	425.-	540.-	630.-	3295.-	1
3LD4 ___ 2AA00-ORCO	2 Pole	175.-	300.-	355.-	395.-	415.-	490.-	645.-	805.-	4120.-	
3LD4 ___ 3AA00-ORCO	3 Pole	190.-	355.-	420.-	455.-	540.-	605.-	755.-	1085.-	5070.-	

### 90° Operation with complete rotation

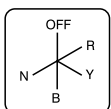
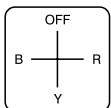


Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BC00-ORCO	1 Pole	135.-	265.-	315.-	330.-	335.-	420.-	535.-	625.-	3295.-	1
3LD4 ___ 2BC00-ORCO	2 Pole	175.-	300.-	355.-	395.-	415.-	490.-	645.-	805.-	4120.-	
3LD4 ___ 3BC00-ORCO	3 Pole	190.-	355.-	420.-	455.-	540.-	605.-	755.-	1085.-	5070.-	

\* Fill in the 3rd, 4th & 5th digit of the type nos with the digits in () to get complete MLFB  
e.g. for 6A 3 Pole ON OFF Switch the complete type no will be 3LD40013AA00-ORCO

## Instrumentation Selector Switch

### Ammeter Selector Switch (ASS)



Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line currents with OFF	6A	3LD40014DC200RCO	290.-	1
	10A	3LD41024DC200RCO	345.-	
	16A	3LD41034DC200RCO	440.-	
	20A	3LD41044DC200RCO	495.-	
Line currents with Neutral with OFF	6A	3LD40014DD200RCO	285.-	
	10A	3LD41024DD200RCO	340.-	
	16A	3LD41034DD200RCO	430.-	
	20A	3LD41044DD200RCO	555.-	

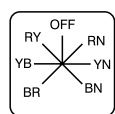
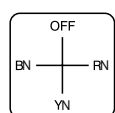
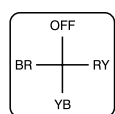


\* LP - List Price



# 3LD4 Control Switches

## Voltmeter Selector Switch (VSS)

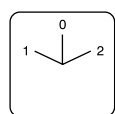


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line voltages with OFF	6A	3LD40014DC300RCO	210.-	1
	10A	3LD41024DC300RCO	315.-	
	16A	3LD41034DC300RCO	400.-	
	20A	3LD41044DC300RCO	455.-	
Phase voltages with OFF	6A	3LD40014DC310RCO	375.-	
	10A	3LD41024DC310RCO	425.-	
	16A	3LD41034DC310RCO	545.-	
	20A	3LD41044DC310RCO	600.-	
Line & Phase voltages with OFF	6A	3LD40014DF300RCO	375.-	
	10A	3LD41024DF300RCO	630.-	
	16A	3LD41034DF300RCO	750.-	
	20A	3LD41044DF300RCO	815.-	



## Changeover Switch

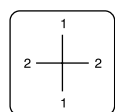
With OFF (60°)



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BB10-ORCO	1P 2W	175.-	325.-	395.-	410.-	420.-	465.-	625.-	850.-	4260.-	1
3LD4 ___ 2BB10-ORCO	2P 2W	235.-	395.-	445.-	525.-	565.-	660.-	860.-	1290.-	6230.-	
3LD4 ___ 3BB10-ORCO	3P 2W	290.-	490.-	600.-	740.-	855.-	925.-	1085.-	1735.-	8070.-	

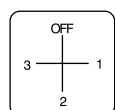


Without OFF (90°)



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1PC10-ORCO	1P 2W	175.-	325.-	395.-	400.-	420.-	465.-	625.-	850.-	4260.-	1
3LD4 ___ 2PC10-ORCO	2P 2W	235.-	395.-	445.-	525.-	565.-	660.-	860.-	1290.-	6230.-	
3LD4 ___ 3PC10-ORCO	3P 2W	290.-	490.-	600.-	740.-	855.-	925.-	1085.-	1735.-	8070.-	

## Phase Changeover Switch (PCS)



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1CC10-ORCO	1P 3W	210.-	285.-	335.-	395.-	400.-	500.-	730.-	820.-	3500.-	1



\* Fill in the 3rd, 4th & 5th digit of the type nos with the digits in ( ) to get complete MLFB  
e.g. for 10A 3 Pole Changeover with OFF (60°) the complete type no will be 3LD41023BB10-ORCO

\* LP - List Price

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AFDD BLOCK 1-40A 2P+N 230V ITC-2TE

## Arc Fault Detection Device – 5SV6

First in Safety

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





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

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

# Betagard Miniature Circuit Breakers Type 5SL6 and 5SL4



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

	I <sub>n</sub> A	MW#	7500A		10000A	Std. Pkg. (Nos.)
			Characteristic B	Characteristic C		
	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 Price List for prices

Miniature Circuit Breakers

# Betagard Circuit Breakers



## 5SL7 Miniature circuit breaker

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



## 5SL5 Circuit Breakers

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

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

# 1 MW (Module Width) = 18 mm

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



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# HRC fuses (DIN) 3NA

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



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

Size	Rated current (A)	Type	Unit MRP® ₹	Std. pkg.** (nos.)	
000	2	3NA78020RC	375.-	1/6	
	4	3NA78040RC	375.-	1/6	
	6	3NA78010RC	375.-	1/6	
	10	3NA78030RC	375.-	1/6	
	16	3NA78050RC	380.-	1/6	
	20	3NA78070RC	380.-	1/6	
	25	3NA78100RC	380.-	1/6	
	32	3NA78120RC	380.-	1/6	
	40	3NA78170RC	405.-	1/6	
	50	3NA78200RC	405.-	1/6	
	63	3NA78220RC	445.-	1/6	
	80	3NA78240RC	485.-	1/6	
	100	3NA78300RC	485.-	1/6	
00	125	3NA78320RC	590.-	1/6	
	160	3NA78360RC	615.-	1/6	
	50	3NA71200RC	800.-	1/3	
1	63	3NA71220RC	800.-	1/3	
	80	3NA71240RC	800.-	1/3	
	100	3NA71300RC	800.-	1/3	
	125	3NA71320RC	835.-	1/3	
	160	3NA71360RC	860.-	1/3	
	200	3NA71400RC	860.-	1/3	
	224	3NA71420RC	895.-	1/3	
	250	3NA71440RC	965.-	1/3	
	2	200	3NA72400RC	1190.-	1/3
		250	3NA72440RC	1235.-	1/3
315		3NA72520RC	1280.-	1/3	
3	400	3NA72600RC	1280.-	1/3	
	315	3NA33520RC	1820.-	1/3	
	400	3NA33600RC	1820.-	1/3	
	500	3NA33650RC	2035.-	1/3	
	630	3NA33720RC	2085.-	1/3	
800*	3NA33754RC	2535.-	1/3		

\* 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	515.-	1/6
	50	3NA78206RC	515.-	1/6
	63	3NA78226RC	550.-	1/6
	80	3NA78246RC	580.-	1/6
	100	3NA78306RC	580.-	1/6
1	125	3NA71326RC	1000.-	1/3
	160	3NA71366RC	1040.-	1/3
	200	3NA71406RC	1040.-	1/3
2	250	3NA72446RC	1375.-	1/3
	315	3NA72526RC	1475.-	1/3
3	400	3NA33606RC	2205.-	1/3
	425	3NA33626RC	2205.-	1/3
	500	3NA33656RC	2350.-	1/3

## Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP® ₹	Std. pkg.** (nos.)
00	160	■ 3NG1000	380.-	1
1	250	■ 3NG1250	565.-	1
2	400	■ 3NG1300	925.-	1
3	630	■ 3NG1400	960.-	1



## Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Type	Unit MRP® ₹	Std. pkg.** (nos.)
00/000	160	3NA7 8	■ 3NH3030-ORC (Screw-in)	460.-	1/10
00/000	160	3NA7 8	■ 3NH3032-ORC (Plug in)	485.-	1/10
1	250	3NA7 1	■ 3NH3230-ORC	920.-	1/5
2	400	3NA7 2	■ 3NH3330-ORC	1305.-	1/5
3	630	3NA3 3	■ 3NH3430-ORC	1880.-	1/5
3	800	3NA3 3	■ 3NH3430-4RC	2220.-	1/5



## Fuse puller

Description	Type	Unit MRP® ₹	Std. pkg.** (nos.)
Suitable for 3KL8 and all sizes of fuse links/isolating links	■ 3NX1011	2250.-	1
Suitable only for fuse links and isolating links	3NX1010	940.-	1



## LV HRC contact covers

NEW

Size	Type	Unit LP* ₹	Std. pkg.** (nos.)
00/000	3NX3115	475.-	1/10
00/000	3NX3116	295.-	1/10



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

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

NEW

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



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

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

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

\* LP - List Price

® MRP - Max. Retail Price

# HRC fuses (BS) 3NW

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



## Blade tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	■ 3NWN52	95.-	20
4	■ 3NWN54	95.-	20
6	■ 3NWN56	95.-	20
10	■ 3NWN510	95.-	20
16	■ 3NWN516	95.-	20
20	■ 3NWN520	110.-	20
25	■ 3NWN525	110.-	20
32	3NWN532	110.-	20

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	135.-	20
4	3NWTIA4	135.-	20
6	3NWTIA6	135.-	20
10	■ 3NWTIA10	135.-	20
16	■ 3NWTIA16	135.-	20
20	■ 3NWTIA20	135.-	20
25	■ 3NWTIA25	135.-	20
32	■ 3NWTIA32	135.-	20
40	3NWTIS40	205.-	20
50	■ 3NWTIS50	205.-	20
63	■ 3NWTIS63	205.-	20
80	3NWTCP80	535.-	10
100	■ 3NWTCP100	535.-	10
125	3NWTFP125	845.-	5
160	3NWTFP160	845.-	5
200	3NWTFP200	845.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWT80	570.-	10
100	3NWT100	570.-	10
125	3NWT125	920.-	5
160	3NWT160	920.-	5
200	3NWT200	920.-	5
250	3NWT250	1270.-	1
315	3NWT315	1270.-	1
355	3NWT355	1750.-	1
400	3NWT400	1750.-	1
500	3NWT500	2755.-	1
630	3NWT630	3640.-	1
710	3NWT710	4155.-	1
800	3NWT800	4155.-	1

## Offset tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
6	3NWTSA6	110.-	20
10	3NWTSA10	110.-	20
16	3NWTSA16	110.-	20
20	3NWTSA20	110.-	20
25	3NWTSA25	110.-	20
32	3NWTSA32	110.-	20
36	3NWTSS36	225.-	20
40	3NWTSS40	225.-	20
50	3NWTSS50	225.-	20
63	3NWTSS63	225.-	20
80	3NWTSDS80	325.-	20
100	3NWTSDS100	325.-	20
125	3NWTFF125	530.-	5
160	3NWTFF160	530.-	5
200	3NWTFF200	530.-	5

## Central tag

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTDC80	395.-	10
100	3NWTDC100	395.-	10
125	3NWTFS125	535.-	5
160	3NWTFS160	535.-	5
200	3NWTFS200	535.-	5
250	3NWTSK250	995.-	1
315	3NWTSK315	995.-	1
355	3NWTSM355	1660.-	1
400	3NWTSM400	1660.-	1
450	3NWTST450	1635.-	1
500	3NWTST500	1635.-	1
560	3NWTSL560	2640.-	1
630	3NWTSL630	2640.-	1
800	3NWTSL800	3810.-	1

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWC32F9	1600.-	10
63	3NWC63F9	1880.-	10
100	3NWC100F9	2070.-	10

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

Rated current A	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	200.-	10
32	■ 3NW32NNSF	250.-	10
32A (Iso. Link)	■ 3NW32NNSL	110.-	10

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■ Stock items

\* MRP - Maximum Retail Price

Please order in multiples of standard packing.



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

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



## 3NE4 type

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
1000	32	■ 3NE4101	gR	1	1980.-	1
	40	■ 3NE4102	gR	1	1985.-	1
	50	■ 3NE4117	gR	1	2085.-	1
	80	■ 3NE4120	aR	1	2250.-	1
	100	■ 3NE4121	aR	1	2470.-	1
	125	■ 3NE4122	aR	1	2650.-	1
	160	■ 3NE4124	aR	1	2920.-	1

## 3NE9 type 600 V AC

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
850	3NE94406	gR	-	23225.-	3
1250	3NE9450	aR	-	21885.-	3

Rated voltage V	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
800	250	■ 3NE43276	aR	-	5735.-	1
	315	■ 3NE43306	aR	-	5920.-	1
	450	■ 3NE43336	aR	-	6190.-	1
	500	■ 3NE43346	aR	-	6240.-	1
	710	■ 3NE43376	aR	-	6980.-	1

## 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	4740.-	3
20	3NE18140	gS	000	4740.-	3
25	3NE18150	gS	000	4740.-	3
35	3NE18030	gS	000	4740.-	3
40	3NE18020	gS	000	4740.-	3
50	3NE18170	gS	000	4740.-	3
63	3NE18180	gS	000	4740.-	3
80	3NE18200	gS	000	4740.-	3
100	3NE10210	gS	00	6225.-	3
125	3NE10220	gS	00	6225.-	3
160	3NE12240	gS	1	15095.-	3
200	3NE12250	gS	1	15095.-	3
250	3NE12270	gS	1	15850.-	3
315	3NE12300	gS	1	16995.-	3
350	3NE13310	gS	2	21105.-	3
400	3NE13320	gS	2	21290.-	3
450	3NE13330	gS	2	21420.-	3
500	3NE13340	gS	2	21745.-	3
560	3NE14350	gS	3	21860.-	3
630	3NE14360	gS	3	22810.-	3
710	3NE14370	gS	3	23720.-	3
800	3NE14380	gS	3	27790.-	3

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

**NEW**

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
25	3NE80151	gR	00	4020.-	3
35	3NE80031	gR	00	4020.-	3
50	3NE80171	gR	00	4020.-	3
63	3NE80181	gR	00	4020.-	3
80	3NE80201	aR	00	4465.-	3
100	3NE80211	aR	00	4670.-	3
125	3NE80221	aR	00	4740.-	3
160	3NE80241	aR	00	5205.-	3
200	3NE12252	gR	1	13730.-	3
250	3NE12272	gR	1	14200.-	3
315	3NE12302	gR	1	14685.-	3
350	3NE13312	gR	2	19440.-	3
400	3NE13322	gR	2	24965.-	3
450	3NE13332	gR	2	20885.-	3
500	3NE13342	gR	2	21710.-	3
560	3NE14352	gR	3	26975.-	3
630	3NE14362	gR	3	27985.-	3
670	3NE14472	gR	3	28600.-	3
710	3NE14372	gR	3	29820.-	3
800	3NE14382	gR	3	32050.-	3
850	3NE14482	gR	3	34885.-	3

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

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

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

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■ 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	11245.-	3
125	3NE3222	aR	1	11565.-	3
160	3NE3224	aR	1	11565.-	3
200	3NE3225	aR	1	12200.-	3
250	3NE3227	aR	1	12520.-	3
315	3NE32300B	aR	1	13035.-	3
350	3NE3231	aR	1	15480.-	3
400	3NE32320B	aR	1	16580.-	3
450	3NE3233	aR	1	17170.-	3
400	3NE33320B	aR	2	16740.-	3
450	3NE3333	aR	2	17625.-	3
500	3NE33340B	aR	2	17960.-	3
560	3NE3335	aR	2	18635.-	3
630	3NE3336	aR	2	19520.-	3
710*	3NE33378	aR	2	27900.-	3
800*	3NE33388	aR	2	28670.-	3
900*	3NE33408	aR	2	34150.-	3

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

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



**3NC type**  
690V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
150	3NC84233C	gR	3	22020.-	3
200	3NC84253C	gR	3	15360.-	3
250	3NC84273C	gR	3	17570.-	3
350	3NC84313C	gR	3	18115.-	3
500	3NC84343C	gR	3	19575.-	3
1000#	3NC84443C	aR	3	35570.-	3

# 1000A, 600V AC



**3NE5 type**  
1500 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
160	3NE54240C	aR	3	33010.-	2
224	3NE54260C	aR	3	36115.-	2
250	3NE56270C	aR	3	33500.-	3
315	3NE54300C	aR	3	34495.-	2
350	3NE54310C	aR	3	32250.-	2
450	3NE56330C	aR	3	36335.-	3
600	3NE56430C	aR	3	38110.-	3



**3NE7 type**  
2000 V AC

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



**Fuse bases for SITOR fuses** NEW

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

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

Utilization category as per VDE 0636/IEC 60269

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

1st letter

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

2nd letter

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

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

\* LP - List Price

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

# Cylindrical Fuses (3NW)

NEW

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



## Cylindrical Fuse, Size 10 x 38

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)		
0.5A	10 x 38	500	3NW60001	365.-	1/10		
1A			3NW60111	365.-	1/10		
2A			3NW60021	365.-	1/10		
4A			3NW60041	365.-	1/10		
6A			3NW60011	365.-	1/10		
8A			3NW60081	365.-	1/10		
10A			3NW60031	365.-	1/10		
12A			3NW60061	365.-	1/10		
16A			3NW60051	365.-	1/20		
20A			3NW60071	365.-	1/20		
25A			3NW60101	365.-	1/20		
32A			3NW60121	365.-	1/20		
			400				

## Cylindrical Fuse, Size 14 x 51

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)		
4A	14 x 51	690	3NW61041	405.-	1/10		
6A			3NW61011	405.-	1/10		
8A			3NW61081	405.-	1/10		
10A			3NW61031	405.-	1/10		
12A			3NW61061	405.-	1/10		
16A			3NW61051	405.-	1/10		
20A			3NW61071	405.-	1/10		
25A			3NW61101	405.-	1/10		
32A			3NW61121	475.-	1/10		
40A			500		3NW61171	475.-	1/10
50A					3NW61201	475.-	1/10



## Cylindrical Fuse, Size 22 x 58

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)	
16A	22 x 58	690	3NW62051	695.-	1/10	
20A			3NW62071	695.-	1/10	
25A			3NW62101	695.-	1/10	
32A			3NW62121	695.-	1/10	
40A			3NW62171	765.-	1/10	
50A			3NW62201	765.-	1/10	
63A		500		3NW62221	765.-	1/10
80A				3NW62241	765.-	1/10
100A				3NW62301	855.-	1/10

## Cylindrical Fuse holders

No of Poles	Size	Rating (A)	MW	Type	Unit LP* ₹	Std. pkg.** (nos.)
1P	10 x 38	32A	1	3NW7013	650.-	1/1
	14 x 51	50A	1.5	3NW7111	2055.-	1/1
	22 x 58	100A	2	3NW7211	3595.-	1/1
1+N	10 x 38	32A	1	3NW7053	1325.-	1/1
	14 x 51	50A	3	3NW7151	4940.-	1/1
	22 x 58	100A	4	3NW7251	6890.-	1/1
2P	10 x 38	32A	2	3NW7023	1295.-	1/1
	14 x 51	50A	3	3NW7121	4100.-	1/1
	22 x 58	100A	4	3NW7221	5760.-	1/1
3P	10 x 38	32A	3	3NW7033	1950.-	1/1
	14 x 51	50A	4.5	3NW7131	6145.-	1/1
	22 x 58	100A	6	3NW7231	8655.-	1/1

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

\* LP - List Price

### Fuse Systems Available

1. Fuses for Photovoltaic application (DC 1000V / 1500V)
  2. NEOZED Fuses & Busbar system up to 100A
  3. Diazed fuse systems up to 63A
  3. Class CC UL fuse links up to 30A
- For more details please contact your nearest sales office.



### Fuses for Special Applications

1. Rectifiers in Electrolysis system
  2. SITOR 8QG 10/11 thyristor sets
  3. Mounting in railway supply rectifier
- For more details please contact your nearest sales office.



# SIEMENS

*Ingenuity for life*



## Power Quality Solutions

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

# SIECAP™ LV Power Capacitors

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

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



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
440	0.9	4RB2008-3EE50-8K	275.-	1
	1	4RB2010-3EE50-8K	305.-	1
	1.2	4RB2012-3EE50-8K	360.-	1
	1.5	4RB2015-3EE50-8K	445.-	1
	2.1	4RB2021-3EE50-8K	635.-	1
	2.5	4RB2025-3EE50-8K	750.-	1
	3	4RB2030-3EE50-8K	905.-	1
	4.2	4RB2042-3EE50-8K	1260.-	1
	5	4RB2050-3EE50-8K	1500.-	1
	6	4RB2060-3EE50-8K	1585.-	1
	7	4RB2070-3EE50-8K	1850.-	1
	7.5	4RB2075-3EE50-8K	1985.-	1
	8.3	4RB2083-3EE50-8K	2195.-	1
	9	4RB2090-3EE50-8K	2380.-	1
	10	4RB2100-3EE50-8K	2645.-	1
	12.5	4RB2125-3EE50-8K	2855.-	1
	15	4RB2150-3EE50-8K	3425.-	1
	16.7	4RB2167-3EE50-8K	3810.-	1
	20	4RB2200-3EE50-8K	4560.-	1
	20.8	4RB2208-3EE50-8K	4745.-	1
25	4RB2250-3EE50-8K	5710.-	1	
28	4RB2280-3EE50-8K	6390.-	1	
30	4RB2300-3EE50-8K	6850.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	1	4RB2010-3EJ50-8K	315.-	1
	1.5	4RB2015-3EJ50-8K	475.-	1
	2	4RB2020-3EJ50-8K	625.-	1
	2.5	4RB2025-3EJ50-8K	775.-	1
	4.2	4RB2042-3EJ50-8K	1315.-	1
	5	4RB2050-3EJ50-8K	1385.-	1
	5.5	4RB2055-3EJ50-8K	1720.-	1
	8.3	4RB2083-3EJ50-8K	2295.-	1
	10.4	4RB2104-3EJ50-8K	2875.-	1
	11.1	4RB2111-3EJ50-8K	2665.-	1
	12.5	4RB2125-3EJ50-8K	3010.-	1
	13.8	4RB2138-3EJ50-8K	3315.-	1
	15	4RB2150-3EJ50-8K	3605.-	1
	16.7	4RB2167-3EJ50-8K	4010.-	1
	20.8	4RB2208-3EJ50-8K	5000.-	1
	25	4RB2250-3EJ50-8K	6005.-	1
	27.7	4RB2277-3EJ50-8K	6655.-	1
	30	4RB2300-3EJ50-8K	7210.-	1

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

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



Std. Pkg. = 1 unit

\* LP - List Price

# SIECAP™ LV Power Capacitors

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

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



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB1050-3EB50-8K	2100.-	1
	6.3	4RB1063-3EB50-8K	2640.-	1
	7.5	4RB1075-3EB50-8K	3140.-	1
	10.4	4RB1104-3EB50-8K	4360.-	1
	12.5	4RB1125-3EB50-8K	4730.-	1
	15	4RB1150-3EB50-8K	5680.-	1
	20	4RB1200-3EB50-8K	7570.-	1
	25	4RB1250-3EB50-8K	9465.-	1
	28.1	4RB1281-3EB50-8K	10635.-	1
	30	4RB1300-3EB50-8K	11355.-	1
	33	4RB1330-3EB50-8K	12490.-	1
440	1	4RB1010-3EE50-8K	430.-	1
	2	4RB1020-3EE50-8K	865.-	1
	3	4RB1030-3EE50-8K	1295.-	1
	4	4RB1040-3EE50-8K	1735.-	1
	5	4RB1050-3EE50-8K	2165.-	1
	7.5	4RB1075-3EE50-8K	3140.-	1
	10	4RB1100-3EE50-8K	4190.-	1
	10.4	4RB1104-3EE50-8K	4360.-	1
	12.5	4RB1125-3EE50-8K	4730.-	1
	15	4RB1150-3EE50-8K	5680.-	1
	16.7	4RB1167-3EE50-8K	6320.-	1
	20	4RB1200-3EE50-8K	7570.-	1
	25	4RB1250-3EE50-8K	9465.-	1
	28.1	4RB1281-3EE50-8K	10635.-	1
30	4RB1300-3EE50-8K	11355.-	1	
33.1	4RB1331-3EE50-8K	12530.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB1050-3EJ50-8K	2165.-	1	
	6.3	4RB1063-3EJ50-8K	2725.-	1	
	8.3	4RB1083-3EJ50-8K	3590.-	1	
	10.4	4RB1104-3EJ50-8K	4080.-	1	
	11	4RB1111-3EJ50-8K	4315.-	1	
	12.5	4RB1125-3EJ50-8K	4900.-	1	
	13.8	4RB1138-3EJ50-8K	5415.-	1	
	15	4RB1150-3EJ50-8K	5885.-	1	
	16.7	4RB1167-3EJ50-8K	6545.-	1	
	18.7	4RB1187-3EJ50-8K	7335.-	1	
	20	4RB1200-3EJ50-8K	7845.-	1	
	22	4RB1220-3EJ50-8K	8625.-	1	
	25	4RB1250-3EJ50-8K	9800.-	1	
	28.1	4RB1281-3EJ50-8K	11015.-	1	
	30	4RB1300-3EJ50-8K	11760.-	1	
	31	4RB1310-3EJ50-8K	12155.-	1	
	33	4RB1330-3EJ50-8K	12940.-	1	
	525	5	4RB1050-3FC50-8K	2230.-	1
		6.3	4RB1063-3FC50-8K	2815.-	1
		8.3	4RB1083-3FC50-8K	3705.-	1
10.4		4RB1104-3FC50-8K	4215.-	1	
12.5		4RB1125-3FC50-8K	5070.-	1	
13.2		4RB1132-3FC50-8K	5355.-	1	
15		4RB1150-3FC50-8K	6085.-	1	
16.7		4RB1167-3FC50-8K	6780.-	1	
20		4RB1200-3FC50-8K	8110.-	1	
25		4RB1250-3FC50-8K	10140.-	1	
26.5		4RB1265-3FC50-8K	10750.-	1	
30		4RB1300-3FC50-8K	12170.-	1	
33.1		4RB1331-3FC50-8K	13425.-	1	
690		5.3	4RB1053-3GK50-8K	2220.-	1
		6.9	4RB1068-3GK50-8K	2895.-	1
		10.4	4RB1104-3GK50-8K	4360.-	1
	12.5	4RB1125-3GK50-8K	5240.-	1	
	14.6	4RB1146-3GK50-8K	6120.-	1	
	20	4RB1200-3GK50-8K	8385.-	1	
	25	4RB1250-3GK50-8K	10480.-	1	
	28	4RB1280-3GK50-8K	11735.-	1	

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

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

Std. Pkg. = 1 unit

\* LP - List Price

# Harmonics filter

## Detuned reactor

### Features

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



## Copper Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1220-1AC01-0AA0	11465.-
10kvar	5.67%	4KA1220-3AC01-0AA0	14875.-
12.5kvar	5.67%	4KA1220-4AC01-0AA0	17415.-
15kvar	5.67%	4KA1220-5AC01-0AA0	18815.-
20kvar	5.67%	4KA1220-6AC01-0AA0	20120.-
25kvar	5.67%	4KA1220-7AC01-0AA0	21935.-
50kvar	5.67%	4KA1220-2BC01-0AA0	35560.-
5kvar	7%	4KA1220-1AA01-0AA0	11460.-
10kvar	7%	4KA1220-3AA01-0AA0	15325.-
12.5kvar	7%	4KA1220-4AA01-0AA0	16970.-
15kvar	7%	4KA1220-5AA01-0AA0	19105.-
20kvar	7%	4KA1220-6AA01-0AA0	20355.-
25kvar	7%	4KA1220-7AA01-0AA0	21415.-
50kvar	7%	4KA1220-2BA01-0AA0	38155.-
75kvar	7%	4KA1220-3BA03-0AA0	54880.-
100kvar	7%	4KA1220-4BA03-0AA0	69080.-
5kvar	14%	4KA1220-1AB01-0AA0	16050.-
10kvar	14%	4KA1220-3AB01-0AA0	25225.-
12.5kvar	14%	4KA1220-4AB01-0AA0	27945.-
15kvar	14%	4KA1220-5AB01-0AA0	30965.-
20kvar	14%	4KA1220-6AB01-0AA0	36700.-
25kvar	14%	4KA1220-7AB01-0AA0	40555.-
50kvar	14%	4KA1220-2BB01-0AA0	65860.-
75kvar	14%	4KA1220-3BB03-0AA0	94795.-
100kvar	14%	4KA1220-4BB03-0AA0	131835.-

## Aluminium Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1420-1AC01-0AA0	9355.-
10kvar	5.67%	4KA1420-3AC01-0AA0	11420.-
12.5kvar	5.67%	4KA1420-4AC01-0AA0	13680.-
15kvar	5.67%	4KA1420-5AC01-0AA0	15460.-
20kvar	5.67%	4KA1420-6AC01-0AA0	16875.-
25kvar	5.67%	4KA1420-7AC01-0AA0	17845.-
50kvar	5.67%	4KA1420-2BC01-0AA0	31095.-
5kvar	7%	4KA1420-1AA01-0AA0	9535.-
10kvar	7%	4KA1420-3AA01-0AA0	12265.-
12.5kvar	7%	4KA1420-4AA01-0AA0	13570.-
15kvar	7%	4KA1420-5AA01-0AA0	15290.-
20kvar	7%	4KA1420-6AA01-0AA0	16285.-
25kvar	7%	4KA1420-7AA01-0AA0	16980.-
50kvar	7%	4KA1420-2BA01-0AA0	29945.-
75kvar	7%	4KA1420-3BA03-0AA0	40680.-
100kvar	7%	4KA1420-4BA03-0AA0	53200.-
5kvar	14%	4KA1420-1AB01-0AA0	12980.-
10kvar	14%	4KA1420-3AB01-0AA0	18980.-
12.5kvar	14%	4KA1420-4AB01-0AA0	21185.-
15kvar	14%	4KA1420-5AB01-0AA0	24455.-
20kvar	14%	4KA1420-6AB01-0AA0	27155.-
25kvar	14%	4KA1420-7AB01-0AA0	33130.-
50kvar	14%	4KA1420-2BB01-0AA0	58605.-



\* LP - List Price

## 3TS Capacitor duty contactors

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

### Features and Benefits

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



Capacitor kvar 415V, 3ph, 50Hz	Built-in aux. contacts	Type®	Unit LP ₹	Built-in aux. contacts	Type®	Unit LP ₹	Std. pkg. (nos.)
7kvar	1 NO	3TS1110-0A..5-8K†	2195.-				
12.5kvar	–	3TS1200-0A..5-8K†	2440.-	1NO+1NC	3TS1211-0A..5-8K	2790.-	1
16kvar	–	3TS1300-0A..5-8K†	3355.-	1NO+1NC	3TS1311-0A..5-8K	3700.-	1
20kvar	–	3TS1400-0A..5-8K†	3775.-	1NO+1NC	3TS1411-0A..5-8K	4120.-	1
25kvar	–	3TS1500-0A..5-8K†	4370.-	1NO+1NC	3TS1511-0A..5-8K	4720.-	1
50kvar	2 NO + 2 NC	3TS1722-0A..5-8K	13515.-				

### 3RT26 Capacitor duty contactor

Capacitor kvar 415V, 3ph, 50Hz	Coil voltage	Built-in aux. contacts	Type	Unit LP	Std. pkg. (nos.)
75kvar	24V, 50HZ	1NO + 1NC	3RT2637-1AB03	22620.-	1
	110V, 50HZ		3RT2637-1AF03		
	230V, 50HZ		3RT2637-1AP03		
100kvar	24V, 50HZ	1NO + 1NC	3RT2646-1AB03	27610.-	1
	110V, 50HZ		3RT2646-1AF03		
	230V, 50HZ		3RT2646-1AP03		

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

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

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

### Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	■ 3TX4010-2A	180.-	10
	1NC	■ 3TX4001-2A		10

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

## Automatic Power Factor Correction Relay (APFC relay)

### Features

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



for more info scan QR code



7UG0572-1GT20

Description		Type	Unit LP ₹	Std. pkg. (nos.)
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display	7UG0571-1FT20	17050.-	1
	12 Stage with LCD display	7UG0572-1GT20	18260.-	1
	12 stage with LED display	7UG0572-1GT21	10920.-	1

\* LP - List Price





**SIEMENS**

*Ingenuity for life*



# Siemens Reyrolle Protection Relays

Relays for every application

## Applications

- Feeder Protection
- Motor Protection
- Transformer Protection

## Features

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

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

# Portfolio Overview

Feeder Protection

Fixed


Non-Directional      Directional



7SR1002 / 3      7SR1004

Drawout

Non-Directional      Directional



7SR11      7SR12

Motor Protection

Non-Directional | Fixed



7SR105

Directional | Drawout



7SR17

Transformer Protection

Directional | Drawout

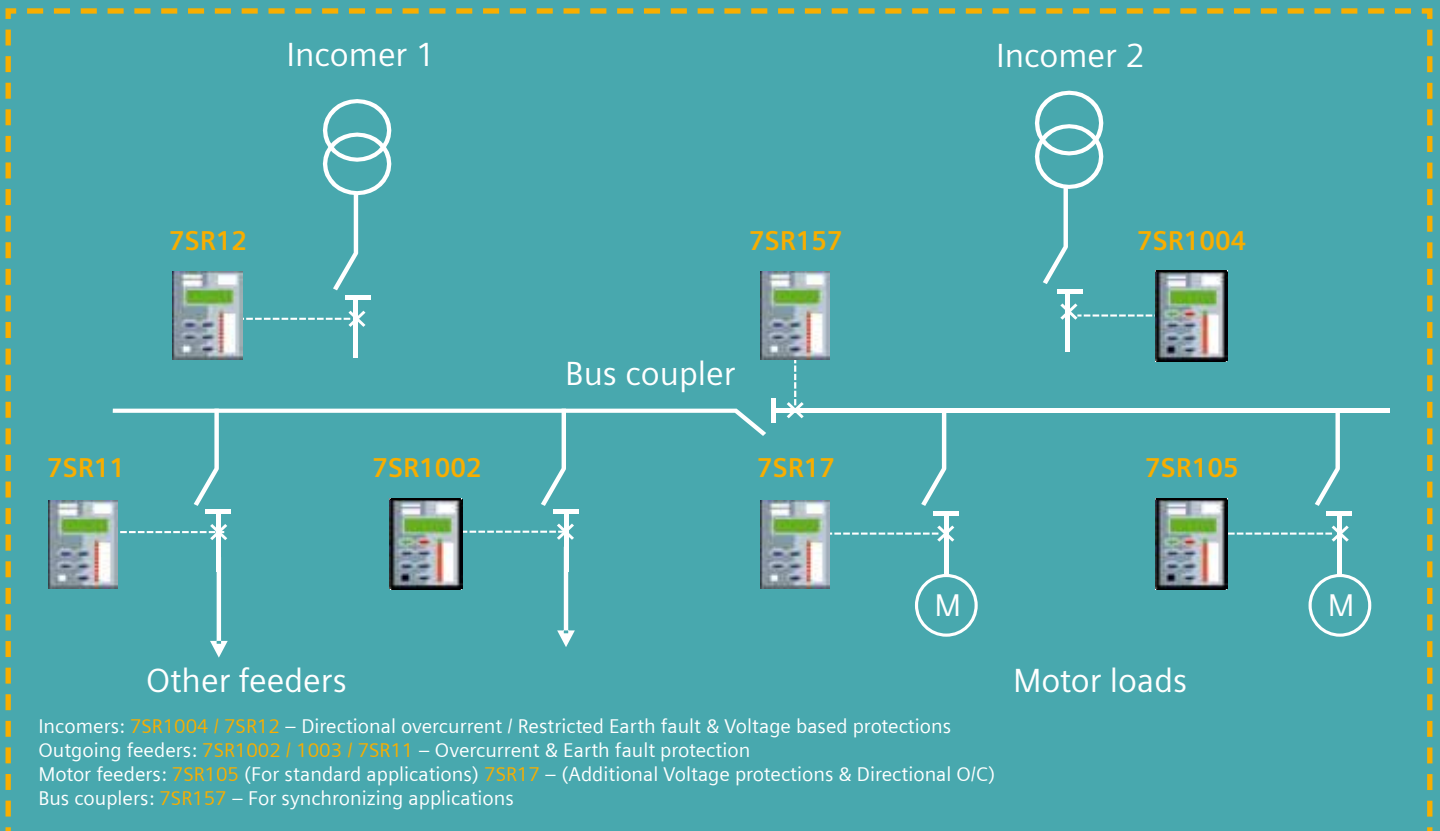


7SR242

Check synchronizing



7SR157



## 7SR Numerical Relays

	Description	Type *	Unit LP ₹
Feeder Protection	<b>Non Drawout   Non Directional</b> overcurrent relay   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 51, 50G/N, 51G/N, 50/51 SEF, 74T/CCS, 81THD, 86	7SR1003-1LA20-2CA0	58080.-
	<b>Non Drawout   Directional</b> overcurrent relay   9 BI 6 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 88V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27/59, 32, 32S, 37, 46BC, 46NPS, 47NPS, 49, 50BF, 51V, 55, 59N, 60CTS, 60VTS, 64H, 67/50, 50SEF, 51G/N, 51SEF, 74T/CCS, 81U/O	7SR1004-4KA20-2CA0	100630.-
	<b>Drawout   Non Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 46BC, 46NPS, 49, 50, 50AFD, 50BF, 51, 50G/N, 51G/N, 64H, 74T/CCS, 86	7SR1103-1MA12-1CA0	98060.-
	<b>Drawout   Directional</b> overcurrent relay   6 BI 8 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 27, 59, 32, 32S, 37, 46BC, 46NPS, 47, 49, 50, 50AFD, 50BF, 51, 50N, 51N, 51V, 55, 59N, 60CTS, 64H, 67, 74T/CCS, 81U/O, 86	7SR1206-2MA12-1CA0	109375.-
Motor Protection	<b>Non Drawout   Motor Protection Relay</b>   6 BI 6 BOs   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 60 to 240V AC/DC   <b>BI Threshold:</b> 44V AC/DC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50/51, 50G/N, 51G/N, 50BCL, 50BF, 74T/CCS, 81B	7SR1053-2LA21-2EA0	84305.-
	<b>Drawout   Motor Protection Relay</b>   3 BI 5 BOs   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B	7SR1702-3MA12-1CA0	130115.-
	<b>Drawout   Motor Protection Relay</b>   6 BI 8 BOs 4CT 3VT   <b>Measuring current input:</b> 1/5A with SEF input   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B, 27/59, 32/55, 47, 60CTS, 60VTS, 67/50, 67/51, 67G/N, 81	7SR1706-4MA12-1CA0	138790.-
Transformer Protection	<b>Drawout   Transformer Protection Relay</b>   9 BI 6 BOs 8CT 1VT   <b>Measuring current input:</b> 1/5A   <b>Auxiliary voltage:</b> 100 to 230V AC/24 -250VDC   <b>BI Threshold:</b> 19VDC   <b>Communication:</b> Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 <b>Protection Functions:</b> 81HBL2, 81HBL5, 87BD, 87HS, 49, 50, 51, 50G/N, 51G/N, 50BF, 64H, 74TCS/CCS, 37/37G, 46BC, 46NPS	7SR2422-2MA12-0BA0	289650.-

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

## 7PJ Auxiliary & Trip Relays

	Description	Type	Unit LP ₹
Aux Relays	Auxiliary relay Single Element with self reset contacts with flag, 110V DC, 3NO+2CO, Low burden	7PJ1111-6DA20-0AA0	7455.-
	Auxiliary relay Single Element with self reset contacts with flag, 220V DC, 3NO+2CO, Low burden	7PJ1111-7DA20-0AA0	7455.-
	Auxiliary relay Single Element with self reset contacts without flag, 110V DC, 3NO+2CO, Low burden	7PJ1114-6DA20-0AA0	7455.-
	Auxiliary relay Single Element with self reset contacts without flag, 220V DC, 3NO+2CO, Low burden	7PJ1114-7DA20-0AA0	7455.-
	Auxiliary relay Three Element, hand reset with flag, 110V DC, 2NO, Low burden	7PJ1132-6CA00-0AA0	14975.-
	Auxiliary relay Three Element, hand reset with flag, 220V DC, 2NO, Low burden	7PJ1132-7CA00-0AA0	14975.-
Trip Relays	Trip relay with hand reset contacts with flag, DC 110V, 4NO+1NC, high burden	7PJ1212-6EB01-0AA0	7455.-
	Trip relay with hand reset contacts with flag, DC 220V, 4NO+1NC, high burden	7PJ1212-7EB01-0AA0	7455.-
	TCS relay, 2CO, SR, Aux 24-240VAC/DC, BI 24-240VDC	7PJ1321-5AA21-0AA0	13675.-

### 7XJ Arc Protection systems



### For more information on Siemens Numerical Relays



\* LP - List Price

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

Suitable for IE2 motors

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

## Direct-on-line feeder

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

## Star-Delta feeder

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

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

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

Suitable for IE3 motors

- The selection is valid only for complete Siemens combinations i.e MCCB + Contactor + Bi-relay mentioned below.
- In case this combination is changed to accommodate another brand / rating of MCCB / contactor / bi-relay, it shall be the responsibility of the person making such a change to assure the coordination.
- Selection is for normal starting conditions with starting time  $\leq 6$  seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- Ratio of starting current to rated current: In accordance to IS12615:2018
- Magnetic setting of Circuit breaker to be done as per starting current of Motor
- For charts with 3VA MCCB for ratings below 75kW, please consult Siemens.
- **Recommended selection.**

## Direct-on-line feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker		Contactor		Bi-relay	
			MCCB	Rated current In (A)	Type	Rating (A)	Type	Range (A)
75	129	50kA	3VA1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110-160
90	151	50kA	3VA1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140-200
110	186	50kA	3VA1325-5MH32-0AA0	250	3RT1064	225	3RU2156-5EB10-8K	140-200
132	221	50kA	3VA1332-5MH32-0AA0	320	3RT1065	265	3RU2166-5FB10-8K	180-250
160	267	50kA	3VA1440-5MH32-0AA0	400	3RT1066	300	3RU2166-5GB10-8K	220-320
200	332	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5HB10-8K	280-400
250	420	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350-500

## Star-Delta feeder

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

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

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

Suitable for IE2 motors

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

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

SL Motor		SDF		Fuse		Contactor		Bi-Relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	Type	Amp	Type	Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	1	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-0KB0	0.9 ... 1.25
0.55	1.3	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-1AB0	1.1 ... 1.6
0.75	1.9	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1BB0	1.4 ... 2
1.1	2.6	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1DB0	2.2 ... 3.2
1.5	3.7	3KL811	20	3NA78030RC	10	3RT2015	7	3RU2116-1EB0	2.8 ... 4
2.2	4.8	3KL811	20	3NA78050RC	16	3RT2015	7	3RU2116-1GB0	4.5 ... 6.3
3.7	7.8	3KL811	20	3NA78070RC	20	3RT2023	9	3RU2126-1JB0	7...10
5.5	11.2	3KL812	32	3NA78100RC	25	3RT2024	12	3RU2126-1KB0	9 ... 12.5
7.5	16	3KL812	32	3NA78120RC	32	3RT2025	17	3RU2126-4AB0	11 ... 16
11	20.8	3KL815	63	3NA78200RC	50	3RT2026	25	3RU2126-4DB0	20 ... 25
15	28	3KL815	63	3NA78220RC	63	3RT2027	32	3RU2126-4EB0	27 ... 32
18.5	34	3KL817	100	3NA78240RC	80	3RT2035	40	3RU2136-4FB0	28 ... 40
22	40	3KL817	100	3NA78240RC	80	3RT2036	50	3RU2136-4GB0	36 ... 45
30	53	3KL817	100	3NA78300RC	100	3RT2037	65	3RU2136-4QB0	47 ... 57
37	65	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	78	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4RB0	70 ... 80
55	96	3KL823	160	3NA78360RC	160	3RT1054	115	3RU2146-4MB0	80 ... 100
75	132	3KL831	200	3NA71400RC	200	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3KL832	250	3NA71440RC	250	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	195	3KL832	250	3NA71440RC	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	230	3KL833	315	3NA72520RC	315	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	280	3KL834	400	3NA72600RC	400	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3KL841	500	3NA33650RC	500	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3KL841	500	3NA33650RC	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

## Star-Delta feeder, for Low LCC

SL Motor			SDF		HRC Fuses		Contactor Line/Delta		Contactor Star		Bi-Relay		Timer
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	I <sub>Ph</sub> Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp	Type
4	7.8	4.5	3KL811	20	3NA78030RC	10	3RT2023	9	3RT2023	9	3RU2126-1FB0	3.5 ... 5	3RP15
5.5	11.2	6.5	3KL811	20	3NA78050RC	16	3RT2023	9	3RT2023	9	3RU2126-1HB0	5.5 ... 8	3RP15
7.5	16	9.2	3KL811	20	3NA78070RC	20	3RT2024	12	3RT2023	9	3RU2126-1JB0	7 ... 10	3RP15
11	20.8	12	3KL812	32	3NA78100RC	25	3RT2024	12	3RT2023	9	3RU2126-1KB0	9 ... 12.5	3RP15
15	28	16.2	3KL812	32	3NA78120RC	32	3RT2026	25	3RT2025	17	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3KL815	63	3NA78200RC	50	3RT2027	32	3RT2026	25	3RU2126-4CB0	17 ... 22	3RP15
22	40	23.2	3KL815	63	3NA78220RC	63	3RT2035	40	3RT2026	25	3RU2136-4DB0	18 ... 25	3RP15
30	53	30.6	3KL817	100	3NA78240RC	80	3RT2035	40	3RT2026	25	3RU2136-4EB0	22 ... 32	3RP15
37	65	37.5	3KL817	100	3NA78240RC	80	3RT2035	40	3RT2027	32	3RU2136-4FB0	28 ... 40	3RP15
45	78	45	3KL817	100	3NA78300RC	100	3RT2036	50	3RT2028	40	3RU2136-4HB0	40 ... 50	3RP15
55	96	55.4	3KL817	100	3NA78300RC	100	3RT2037	65	3RT2035	40	3RU2136-4JB0	54 ... 65	3RP15
75	131	75.6	3KL823	160	3NA78360RC	160	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	3RP15
90	156	90.1	3KL823	160	3NA78360RC	160	3RT2046	95	3RT2038	80	3RU2146-4LB0	70 ... 90	3RP15
110	195	113	3KL831	200	3NA71400RC	200	3RT1054	115	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	230	133	3KL832	250	3NA71440RC	250	3RT1055	150	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	280	162	3KL833	315	3NA72520RC	315	3RT1056	185	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	202	3KL834	400	3NA72600RC	400	3RT1064	225	3RT1056	185	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	248	3KL841	500	3NA33650RC	500	3RT1065	265	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

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

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. SDF + DIN Fuse + Contactor + Bi-relay (+ timer).
- In case this combination is changed to accommodate another brand/rating of SDF/DIN Fuse/Contactor/BMR, it shall be the responsibility of the person making such a change to assure type 2 performance.
- Selection is for normal starting conditions with starting time ≤ 6 seconds. (For heavy starting applications e.g. ID/FD fans, reciprocating compressor, ball mills etc., please consult Siemens.)
- At 60°C service temperature the bi-relay has to be derated. The bi-relay can be used upto the maximum current setting indicated. For example - A bi-relay with setting 32-50A, at 60°C can be used only upto 47A. This however does not mean that at 60°C, the 50A setting corresponds to 47A. It means that, the bi-relay should not be set beyond 47A.
- The electronic star-delta timer type 3RP should be used in star-delta feeders.
- SDF: Switch 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	3KL817	100	3NA78240RC	80	3TF46	45	3UA5800-2FZ1	32 - 50	3UA5800-2FZ1	32 - 47
30	53	3KL817	100	3NA78300RC	100	3TF47	63	3UA5800-2TZ1	40 - 57	3UA5800-2PZ1	50 - 59
37	65	3KL822	125	3NA78320RC	125	3TF477	70	3UA5800-2VZ2	57 - 70	3UA5800-2VZ2	57 - 65.5
45	78	3KL822	125	3NA78320RC	125	3TF49	85	3UA5800-8YZ1	70 - 95	3UA5800-8YZ1	70 - 88.9
55	96	3KL823	160	3NA78360RC	160	3TF50	110	3UA5830-5C	85 - 105	3UA5830-5C	85 - 98.2
75	131	3KL831	200	3NA71400RC	200	3TF51	140	3UA6230-5A	85 - 135	3UA6230-5B	115 - 168
90	156	3KL832	250	3NA71440RC	250	3TF52	170	3UA6230-5B	115 - 180	3UA6230-5B	115 - 168
110	189	3KL832	250	3NA71440RC	250	3TF53	205	3UA6230-5C	160 - 250	3UA6230-5C	160 - 234
132	227	3KL833	315	3NA72520RC	315	3TF54	250	3UA6230-5C	160 - 250	3UA6230-5C	160 - 234
160	271	3KL834	400	3NA72600RC	400	3TF55	300	3UA6230-5D	200 - 320	3UA6230-5D	200 - 299
200	339	3KL841	500	3NA33650RC	500	3TF56	400	3UA6230-5E	250 - 400	3UA6230-5E	250 - 374
250	398	3KL841	500	3NA33650RC	500	3TF57	475	3UA6830-5F	320 - 500	3UA6830-5F	320 - 468

## Star-Delta feeder, for Low LCC

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



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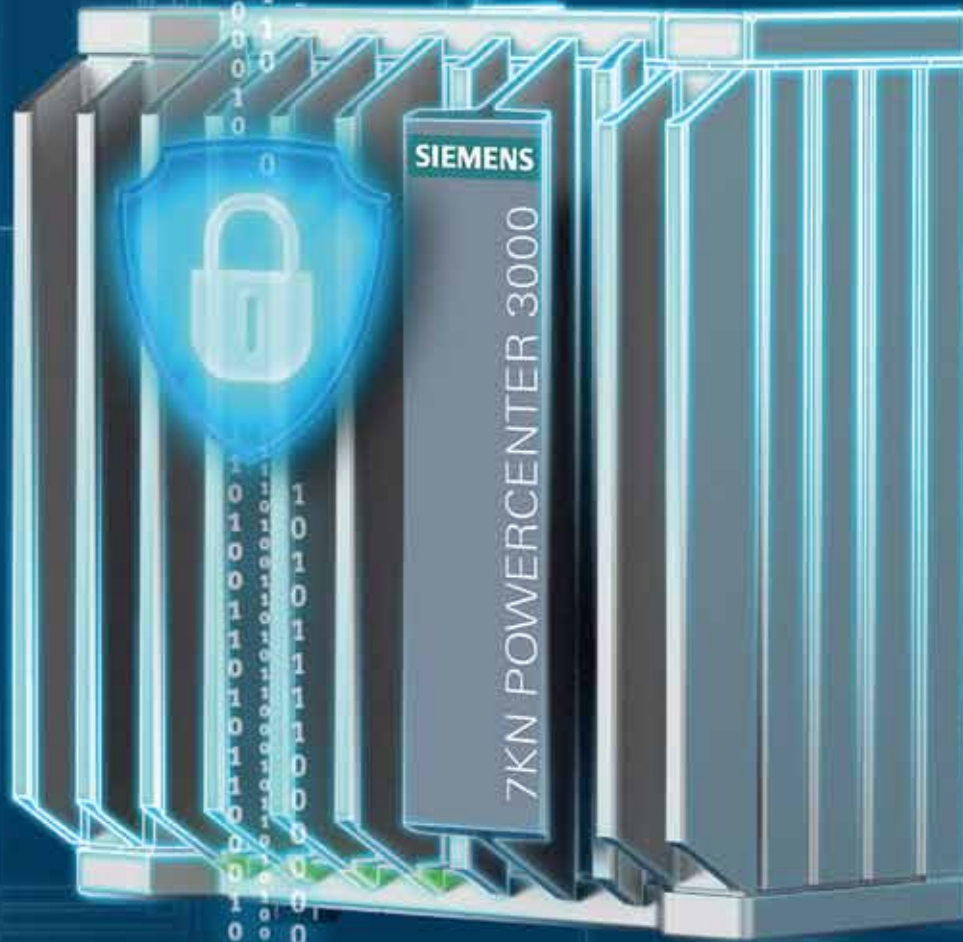
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## Available till stocks last

### Motor control switches 3LA0

Description		Motor output 415V, 50Hz, 3Ph kW	Type	Unit LP* ₹	Std. pkg. (nos.)
In sheet steel housing	On/Off	7.5	■ 3LA0221-1YA	2655.-	1
		30	■ 3LA0621-1YB	6855.-	1
	System selector	5.5	3LA0222-1YA	3075.-	1
	Reversing	5.5	■ 3LA0223-1YA	3640.-	1

Description	Type	Unit LP* ₹	Std. pkg. (nos.)
<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	32330.-	1
<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*	52340.-	1

### Switch disconnector:3KA8^ (in open execution TPN)

Rated current Ie @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
63A	3KA81513TE00	3975.-	1
100A	3KA82113TE00	6810.-	1
125A	3KA82213TE00	8500.-	1
160A	3KA82313TE00	8565.-	1
200A	3KA83113UE00	11985.-	1
250A	3KA83213UE00	14730.-	1
400A	3KA83413UE00	21705.-	1
630A	3KA83513UE00	31730.-	1
800A	3KA843□-3UE00	35490.-	1
1000A@	3KA844□-3UE00	42340.-	1
1250A@	3KA845□-3UE00	57515.-	1
1600A@	3KA846□-3UE00	73425.-	1

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

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

@ Rating AC21 at 500V, 50Hz

Unit MRP's are inclusive of front drive (Handle) kit.

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

## Discontinued products

### 3KC Automatic Transfer Controller

Description	Type
ATC 5300	3KC9000-8TL30

### Control switches 3ST

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

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

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

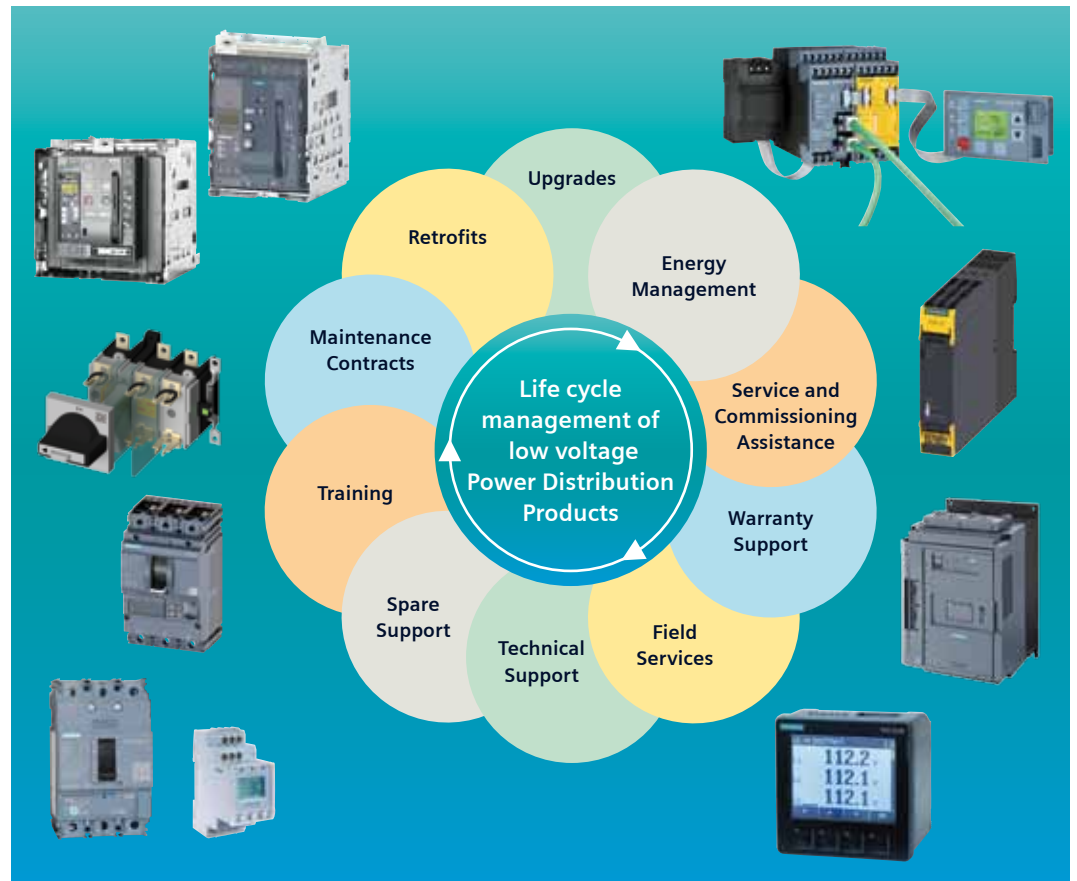
\* LP - List Price

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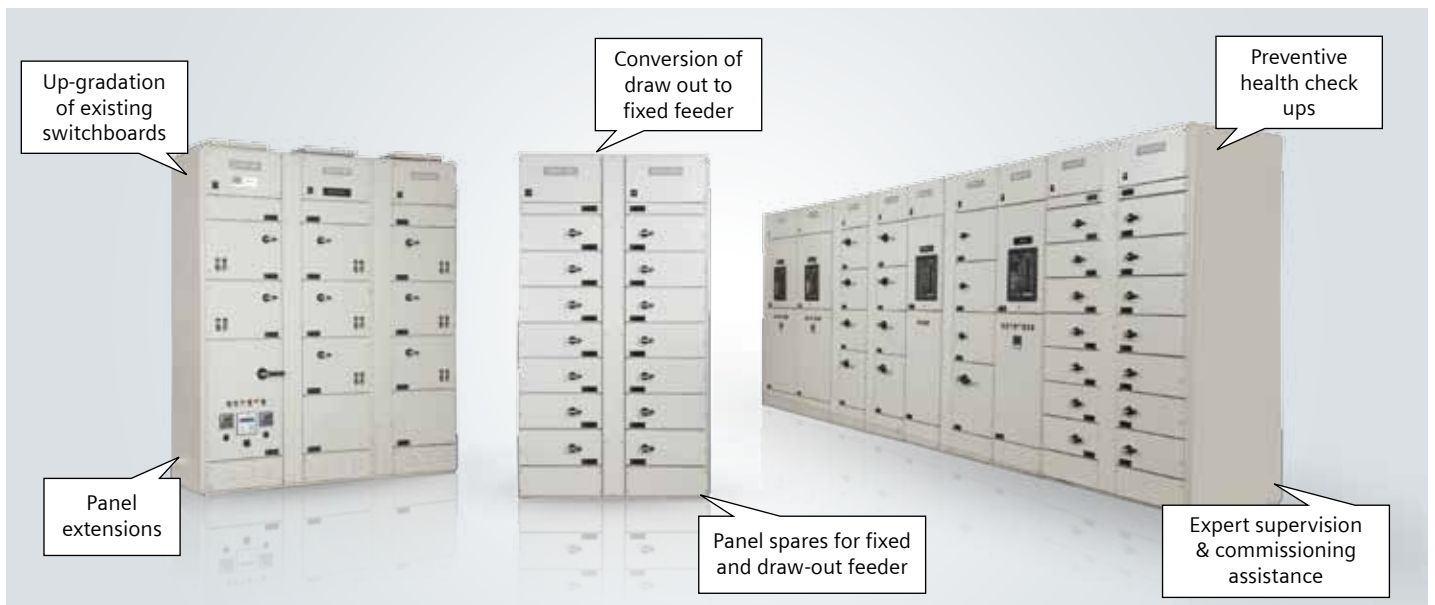
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## For information on prices of below products please refer to the LV Switchgear Motor Control Products valid Price list



### Terms and conditions

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

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

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#### Stock items

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

#### Note

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- List Prices (LPs) mentioned are exclusive of all taxes.
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