

# PRICE LIST 2023

# SIEMENS

*Ingenuity for life*



## DODIA ELECTRICALS

### Circuit Breaker & SDF



### AUTOMATION BRAND



### SWITCHGEAR BRAND





# Your trusted partner for reliable power

**Low Voltage Power Distribution Products**

Price List w.e.f. 10<sup>th</sup> November 2023

**SIEMENS**

# LIST OF SITRAIN - INDIA TRAINING CENTERS

(including Training Service Providers, TSPs)

Code	Title	Location	Days
<b>SIMATIC – Classic STEP 7, Industry 4.0 and Process Instrumentation</b>			
AS-OL-400A	SIMATIC S7-400 with SIMATIC Manager (Advance Course)	Online Training	3 Days
DIGI-IN4.0	Introduction to Industry 4.0	Online Training	3 Days
AS-PI	Process Instrumentation	Online Training	4 Days
<b>TIA Portal Courses</b>			
AS-OL1500B	SIMATIC S7-1500 with TIA Portal V17 (Basic Course)	Online Training	5 Days
AS-1500B	SIMATIC S7-1500 with TIA V17 (Basic Course)	Siemens Ltd., Kalwa	5 Days
AS-1500A	SIMATIC S7-1500 with TIA V17 (Advance Course)	Siemens Ltd., Kalwa	5 Days
AS-OL1500A	SIMATIC S7-1500 with TIA Portal V17 (Advance Course)	Online Training	5 Days
AS-OL-WINT	SIMATIC WinCC SCADA (WinCC Prof) in the TIA Portal	Online Training	5 Days
AS-TIA150F	SIMATIC Distributed Safety on S7-1500F With TIA Portal <b>**New**</b>	Siemens Ltd., Kalwa	3 Days
<b>Process Control System SIMATIC PCS 7</b>			
AS-PCS7B	DCS: SIMATIC PCS 7 Basic	Siemens Ltd., Kalwa	10 Days
AS-PCS7A	DCS: SIMATIC PCS 7 Advance	Siemens Ltd., Kalwa	10 Days
AS-SFP	SIMATIC Fail-safe (Process Safety) Course <b>**New**</b>	Siemens Ltd., Kalwa	3 Days
<b>Drive &amp; Switchgear Technology</b>			
AP-CRANE	Application Based Crane Training	Siemens Ltd., Kalwa	5 Days
DR-S120B	SINAMICS S120 Basic	Siemens Ltd., Kalwa	5 Days
DR-S120A	SINAMICS S120 Advance	Siemens Ltd., Kalwa	5 Days
DR-SIMOB	SIMOTION Basic	Siemens Ltd., Kalwa	5 Days
LV-SM	SIMOCODE AC-Motor Control	Siemens Ltd., Kalwa	3 Days
TIA-MC	Basics of Motion Control 1 in TIA Portal <b>** New**</b>	Siemens Ltd., Kalwa	4 Days

Code	Title	Location	Days
<b>COMBO Courses <b>**New**</b></b>			
CO-CLS3040	SIMATIC S7-300 & S7-400 with SIMATIC Manager	Online Training	6 Days
CO-300WIN	SIMATIC S7-300 and WinCC v7.x	Online Training	6 Days
CO-TIA1215	SIMATIC S7-1200 & S7-1500 with TIA Portal	Online Training	6 Days
CO-TIAS120	SIMATIC S7-1500 PLC & SINAMICS S120	Online Training	6 Days
CO-G12S12	SINAMICS G120 & S120 Drives with STARTER	Online Training	6 Days
<b>Maintenance Focused Course <b>**New**</b></b>			
MFC-G13S12	SINAMICS G130 & S120	Siemens Ltd., Kalwa	5 Days
MFC-R70R80	DC DRIVE 6RA70 & 6RA80	Siemens Ltd., Kalwa	5 Days
MFC-S7400	SIMATIC S7-400 with SIMATIC Manager	Siemens Ltd., Kalwa	3 Days
MFC-S71500	SIMATIC S7-1500 with TIA Portal	Siemens Ltd., Kalwa	3 Days
<b>Blended Training <b>**New**</b></b>			
BT-1500	Blended Training on SIMATIC S7 1500 with TIA Portal	Online Training	45 Hrs.

Kindly download the SITRAIN app on your mobile from following link for course details

- For Android users:  
<https://play.google.com/store/apps/details?id=com.siemens.industry.onlinesupport>
- For Apple users:  
<https://apps.apple.com/in/app/industry-online-support/id478868966>

## SITRAIN Training in India

### SITRAIN India (Kalwa)

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Tel: +91-22-39663208  
E-mail: customer.training.in@siemens.com



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# 3WA air circuit breakers

**Made for makers. Simply reliable**

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

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

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



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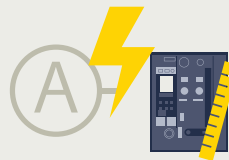
Future  
ready



Easy  
operation



Advanced  
connectivity



Smallest  
footprint



Shorter  
downtime



Efficient  
metering



Easy  
upgrade



Enhanced  
safety



Cyber  
security



High system  
availability



# 3WA air circuit breakers

## The future of digital power distribution

The future will be connected.

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

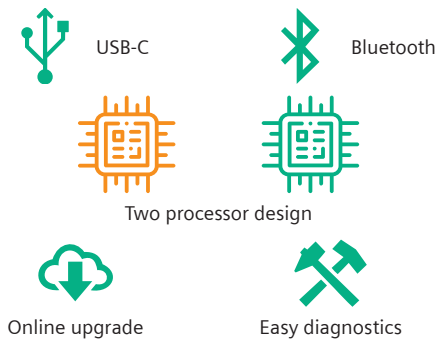
Welcome to the future of digital power distribution.

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

**SIEMENS**

# ACB: SENTRON 3WA NEW

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



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

Manually operated ACB

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

Frame Size	Rated Current In (A)	Type	Withdrawable <sup>2)</sup> design with Guide Frame		Fixed <sup>3)</sup> mounted design	
			Unit LP* ₹		Unit LP* ₹	
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WA1106....	POR	POR	POR	POR
	800	3WA1108....				
	1000	3WA1110....				
	1250	3WA1112....				
	1600	3WA1116....				
II	2000	3WA1220....	POR	POR	POR	POR
	2500	3WA1225....				
	3200	3WA1232....				
	4000	3WA1240....				
III	5000	3WA1350....	POR	POR	POR	POR
	6300	3WA1363....				

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

Note: Std. Pkg. = 1 unit

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

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

## Add-on options (Factory fitted)

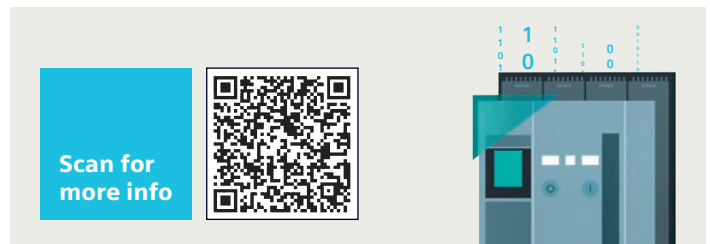
Description	Add LP* ₹
Door Interlock	POR
Position Signal Switch for Withdrawable Breaker	
Castell lock mounting kit <sup>#</sup>	
Mutual Mechanical Interlocking (Bowden wire)	
PROFINET / MODBUS Communication module	

# Castell locks are to be ordered separately.

Please contact your nearest Siemens Sales Office for complete ordering code.

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

Motorized mechanism with other control voltages are available on request



## Accessories

Description	AC 50/60Hz V	DC V	Type	Unit LP* ₹
Shunt Release or Closing Coil Suitable for continuous operation	-	24-30	3WA9111-0AD02	19730.-
	110-127	110-125	3WA9111-0AD05	19730.-
	208-240	220-250	3WA9111-0AD06	19730.-
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07	21810.-
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02	109090.-
	110-127	110-125	3WA9111-0AF05	109090.-
	208-240	220-250	3WA9111-0AF06	109090.-
Castell Lock	-	-	3WX3663-6JEL_ <sup>5</sup>	6115.-

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens 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

POR: Price On Request

\* LP - List Price



## ACB: SENTRON 3WL *Plus*

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



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

Manually operated ACB

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

Frame Size	Rated Current In (A)	Type	Withdrawable design with Guide Frame		Fixed mounted design	
			Unit LP* ₹	Unit LP* ₹	Unit LP* ₹	Unit LP* ₹
			3 Pole	4 Pole	3 Pole	4 Pole
I	630	3WL1106....	POR	POR	POR	POR
	800	3WL1108....				
	1000	3WL1110....				
	1250	3WL1112....				
	1600	3WL1116....				
II	2000	3WL1220....	POR	POR	POR	POR
	2500	3WL1225....				
	3200	3WL1232....				
	4000	3WL1240....				
III	5000	3WL1350....	POR	POR	POR	POR
	6300	3WL1363....				

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	POR
Protection function LSIN with Current display	
Protection function LSING with Current display	

For prices of breakers with other types of microprocessor based trip unit, please contact your nearest Siemens Sales Office

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

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 contact your nearest Siemens Sales Office for complete ordering code.

### Add-on options (Factory fitted)

Description	Add LP* ₹
Spring Charge Signal Switch	POR
Door Interlock	
Position Signal Switch for Withdrawable Breaker	
Castell lock mounting kit*	
Mutual Mechanical Interlocking (Bowden wire)	
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	-	24-30	3WA9111-0AD02	19730.-
	110-127	110-125	3WA9111-0AD05	19730.-
	208-240	220-250	3WA9111-0AD06	19730.-
Under Voltage Release (Instantaneous)	380-415	-	3WA9111-0AE07	21810.-
Motorised Operating Mechanism	-	24-30	3WA9111-0AF02	109090.-
	110-127	110-125	3WA9111-0AF05	109090.-
	208-240	220-250	3WA9111-0AF06	109090.-
Castell Lock	-	-	3WX3663-6JEL_ <sup>s</sup>	6115.-

Please order necessary auxiliary terminal blocks as per circuit diagram while ordering accessories. Please contact your nearest Siemens 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

POR: Price On Request

\* LP - List Price



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

Powering smart installations

- Integrated communication and metering option
- Easy parameterization and diagnostics with Powerconfig



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

**SIEMENS**

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



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

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

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

Frame Size	Rated current In (A)		Withdrawable design with Guide Frame <sup>2)</sup>			
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹
I	630	MDO	3WT8061-6AA04-5AB2	328315.-	3WT8065-6AA04-5AB2	426820.-
		EDO	3WT8061-6UA34-5AB2	424670.-	3WT8065-6UA34-5AB2	523175.-
	800	MDO	3WT8081-6AA04-5AB2	346495.-	3WT8085-6AA04-5AB2	453580.-
		EDO	3WT8081-6UA34-5AB2	442850.-	3WT8085-6UA34-5AB2	549935.-
	1000	MDO	3WT8101-6AA04-5AB2	355900.-	3WT8105-6AA04-5AB2	461645.-
		EDO	3WT8101-6UA34-5AB2	452255.-	3WT8105-6UA34-5AB2	558000.-
1250	MDO	3WT8121-6AA04-5AB2	437150.-	3WT8125-6AA04-5AB2	519685.-	
	EDO	3WT8121-6UA34-5AB2	533505.-	3WT8125-6UA34-5AB2	616040.-	
● 1600	MDO	3WT8161-6AA04-5AB2	469180.-	3WT8165-6AA04-5AB2	567955.-	
	EDO	3WT8161-6UA34-5AB2	565535.-	3WT8165-6UA34-5AB2	664310.-	
II	● 2000	MDO	3WT8202-6AA04-5AB2	589485.-	3WT8206-6AA04-5AB2	725515.-
		EDO	3WT8202-6UA34-5AB2	685840.-	3WT8206-6UA34-5AB2	821870.-
	● 2500	MDO	3WT8252-6AA04-5AB2	667715.-	3WT8256-6AA04-5AB2	848895.-
		EDO	3WT8252-6UA34-5AB2	764070.-	3WT8256-6UA34-5AB2	945250.-
	● 3200	MDO	3WT8322-6AA04-5AB2	856050.-	3WT8326-6AA04-5AB2	1050380.-
		EDO	3WT8322-6UA34-5AB2	952405.-	3WT8326-6UA34-5AB2	1146735.-

### Microprocessor based Trip Units

ETU35WT: LSI + Display



5

Reduce

1150.-



5

Reduce

1150.-

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

Frame Size	Rated current In (A)		Fixed Mounted design <sup>3)</sup>			
			3 Pole	Unit LP* ₹	4 Pole	Unit LP* ₹
I	630	MF	3WT8061-6AA00-0AA2	241265.-	3WT8065-6AA00-0AA2	326415.-
		EF	3WT8061-6UA30-0AA2	337620.-	3WT8065-6UA30-0AA2	422770.-
	800	MF	3WT8081-6AA00-0AA2	260425.-	3WT8085-6AA00-0AA2	358330.-
		EF	3WT8081-6UA30-0AA2	356780.-	3WT8085-6UA30-0AA2	454685.-
	1000	MF	3WT8101-6AA00-0AA2	265485.-	3WT8105-6AA00-0AA2	379605.-
		EF	3WT8101-6UA30-0AA2	361840.-	3WT8105-6UA30-0AA2	475960.-
1250	MF	3WT8121-6AA00-0AA2	361110.-	3WT8125-6AA00-0AA2	427020.-	
	EF	3WT8121-6UA30-0AA2	457465.-	3WT8125-6UA30-0AA2	523375.-	
● 1600	MF	3WT8161-6AA00-0AA2	368710.-	3WT8165-6AA00-0AA2	457410.-	
	EF	3WT8161-6UA30-0AA2	465065.-	3WT8165-6UA30-0AA2	553765.-	
● 2000	MF	3WT8202-6AA00-0AA2	414670.-	3WT8206-6AA00-0AA2	595260.-	
	EF	3WT8202-6UA30-0AA2	511025.-	3WT8206-6UA30-0AA2	691615.-	
● 2500	MF	3WT8252-6AA00-0AA2	468065.-	3WT8256-6AA00-0AA2	698885.-	
	EF	3WT8252-6UA30-0AA2	564420.-	3WT8256-6UA30-0AA2	795240.-	
● 3200	MF	3WT8322-6AA00-0AA2	712665.-	3WT8326-6AA00-0AA2	877685.-	
	EF	3WT8322-6UA30-0AA2	809020.-	3WT8326-6UA30-0AA2	974040.-	

### Microprocessor based Trip Units

ETU35WT: LSI + Display



5

Reduce

1150.-



5

Reduce

1150.-

**For Non-Automatic ACBs please deduct ₹ 2615/- from the LPs of the ACBs marked ●.** For type nos. of Non-Automatic ACBs please contact your nearest Siemens 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 your nearest Siemens Sales Office for information on prices of 4000A ACB.**

**Additional LP for 690V AC ACB - ₹ 43640 /-**

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	103395.-
	220-240	220-250	3WT9831-1JK00	103395.-
Shunt Release or Closing Coil Suitable for continuous operation	–	24	3WT9851-1JB00	8855.-
	110-127	110-125	3WT9851-1JH00	8855.-
	220-240	220-250	3WT9851-1JK00	8855.-
	110-127	110-125	3WT9853-1JH00	9200.-
Under Voltage Release Instantaneous	208-240	220-250	3WT9853-1JK00	9200.-
	380-415	–	3WT9853-1JM00	9200.-
Auxiliary Terminal Block	Fixed circuit breaker		3WT9825-1JC00	6470.-
	Drawout circuit breaker		3WT9827-1JA00	6470.-
Auxiliary Switch Block	2 Change over		3WT9816-1CE00	4950.-
Position Signal Switch for Withdrawable Breaker	3NO+3NC, 2NO+2NC, 1NO+1NC		3WT9884-1JC10	20015.-
5 digit operating cycle counter			3WT9864-OCA00	16710.-
Blocking Device for preventing opening of cubicle door in service position: for Withdrawable Breaker			3WT9867-1JC00	15535.-
Blocking Device for preventing opening of cubicle door in ON position: for Fixed Breaker			3WT9867-2JA00	15535.-
Castell Lock Mounting Kit (to prevent unauthorized closing of the circuit breaker)			3WT9863-6JE00	14335.-
Castell Lock			3WX3663-6JEL_#	6115.-
Door Sealing Frame (Also suitable for 3WL ACB)			3WX3686-0JA00	3895.-
External Current Sensor for N-conductor (For 3P ACB with Neutral or E/F Protection)	Size I		3WL9111-0AA21-0AA0	32630.-
	Size II		3WL9111-0AA22-0AA0	39675.-
External Current Sensor for N-conductor with copper connectors (for 3P ACB with Neutral or E/F protection)	Size I		3WL9111-0AA31-0AA0	35815.-
	Size II		3WL9111-0AA32-0AA0	41105.-

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

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

## Add-on options (Factory fitted)

Description	Unit LP* ₹
MODBUS RTU communication module	POR
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

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price



# 3WJ air circuit breakers

Powering infrastructures across the globe



Reliable



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Comprehensive



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**SIEMENS**



# 3VA moulded case circuit breakers

Discover the perfect system

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

**SIEMENS**

## MCCB: SENTRON 3VA

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



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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA10	16kA	16	3VA1096-2ED32-0AA0	11060.-	3VA1096-2ED42-0AA0	14340.-
		20	3VA1020-2ED32-0AA0	11060.-	3VA1020-2ED42-0AA0	14340.-
		25	3VA1025-2ED32-0AA0	11060.-	3VA1025-2ED42-0AA0	14340.-
		32	3VA1032-2ED32-0AA0	11060.-	3VA1032-2ED42-0AA0	14340.-
		40	3VA1040-2ED32-0AA0	11060.-	3VA1040-2ED42-0AA0	14340.-
		50	3VA1050-2ED32-0AA0	11060.-	3VA1050-2ED42-0AA0	14340.-
		63	3VA1063-2ED32-0AA0	11060.-	3VA1063-2ED42-0AA0	14340.-
		80	3VA1080-2ED32-0AA0	12100.-	3VA1080-2ED42-0AA0	15715.-
3VA10	25kA	100	3VA1010-2ED32-0AA0	14005.-	3VA1010-2ED42-0AA0	18240.-
		16	3VA1096-3ED32-0AA0	11360.-	3VA1096-3ED42-0AA0	14820.-
		20	3VA1020-3ED32-0AA0	11360.-	3VA1020-3ED42-0AA0	14820.-
		25	3VA1025-3ED32-0AA0	11360.-	3VA1025-3ED42-0AA0	14820.-
		32	3VA1032-3ED32-0AA0	11360.-	3VA1032-3ED42-0AA0	14820.-
		40	3VA1040-3ED32-0AA0	11360.-	3VA1040-3ED42-0AA0	14820.-
		50	3VA1050-3ED32-0AA0	11360.-	3VA1050-3ED42-0AA0	14820.-
		63	3VA1063-3ED32-0AA0	11360.-	3VA1063-3ED42-0AA0	14820.-
3VA11	25kA	80	3VA1080-3ED32-0AA0	12355.-	3VA1080-3ED42-0AA0	16075.-
		100	3VA1010-3ED32-0AA0	14565.-	3VA1010-3ED42-0AA0	18610.-
3VA11	25kA	125	3VA1112-3ED32-0AA0	24555.-	3VA1112-3ED42-0AA0	31290.-
		160	3VA1116-3ED32-0AA0	28040.-	3VA1116-3ED42-0AA0	36490.-
3VA10	36kA	16	3VA1096-4ED32-0AA0	11990.-	3VA1196-4GD42-0AA0	16590.-
		20	3VA1020-4ED32-0AA0	11990.-	3VA1120-4GD42-0AA0	16590.-
		25	3VA1025-4ED32-0AA0	11990.-	3VA1125-4GD42-0AA0	16590.-
		32	3VA1032-4ED32-0AA0	11990.-	3VA1132-4GD42-0AA0	16590.-
		40	3VA1040-4ED32-0AA0	11990.-	3VA1140-4GD42-0AA0	16590.-
		50	3VA1050-4ED32-0AA0	11990.-	3VA1150-4GD42-0AA0	16590.-
		63	3VA1063-4ED32-0AA0	11990.-	3VA1163-4GD42-0AA0	16590.-
		80	3VA1080-4ED32-0AA0	12580.-	3VA1180-4GD42-0AA0	18190.-
3VA11	36kA	100	3VA1010-4ED32-0AA0	15145.-	3VA1110-4GD42-0AA0	21015.-
		125	3VA1112-4ED32-0AA0	26165.-	3VA1112-4GD42-0AA0	34015.-
3VA11	36kA	160	3VA1116-4ED32-0AA0	30510.-	3VA1116-4GD42-0AA0	39670.-
		16	3VA1196-5ED32-0AA0	14050.-	3VA1196-5GD42-0AA0	18240.-
3VA11	55kA	20	3VA1120-5ED32-0AA0	14050.-	3VA1120-5GD42-0AA0	18240.-
		25	3VA1125-5ED32-0AA0	14050.-	3VA1125-5GD42-0AA0	18240.-
		32	3VA1132-5ED32-0AA0	14050.-	3VA1132-5GD42-0AA0	18240.-
		40	3VA1140-5ED32-0AA0	14050.-	3VA1140-5GD42-0AA0	18240.-
		50	3VA1150-5ED32-0AA0	14050.-	3VA1150-5GD42-0AA0	18240.-
		63	3VA1163-5ED32-0AA0	14320.-	3VA1163-5GD42-0AA0	18240.-
		80	3VA1180-5ED32-0AA0	15415.-	3VA1180-5GD42-0AA0	20030.-
		100	3VA1110-5ED32-0AA0	17845.-	3VA1110-5GD42-0AA0	23145.-
		125	3VA1112-5ED32-0AA0	28755.-	3VA1112-5GD42-0AA0	37370.-
		160	3VA1116-5ED32-0AA0	33530.-	3VA1116-5GD42-0AA0	43635.-

<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	14420.-	3VA1196-3GE42-0AA0	20655.-
		20	3VA1120-3EE32-0AA0	14420.-	3VA1120-3GE42-0AA0	20655.-
		25	3VA1125-3EE32-0AA0	14420.-	3VA1125-3GE42-0AA0	20655.-
		32	3VA1132-3EE32-0AA0	14420.-	3VA1132-3GE42-0AA0	20655.-
		40	3VA1140-3EE32-0AA0	14420.-	3VA1140-3GE42-0AA0	20655.-
		50	3VA1150-3EE32-0AA0	14420.-	3VA1150-3GE42-0AA0	20655.-
		63	3VA1163-3EE32-0AA0	14420.-	3VA1163-3GE42-0AA0	20655.-
		80	3VA1180-3EE32-0AA0	14420.-	3VA1180-3GE42-0AA0	20655.-
		100	3VA1110-3EE32-0AA0	15415.-	3VA1110-3GE42-0AA0	20655.-
		125	3VA1112-3EE32-0AA0	26165.-	3VA1112-3GE42-0AA0	32220.-
160	3VA1116-3EE32-0AA0	28865.-	3VA1116-3GE42-0AA0	37425.-		
3VA11	36kA	16	3VA1196-4EE32-0AA0	17805.-	3VA1196-4GE42-0AA0	23305.-
		20	3VA1120-4EE32-0AA0	17805.-	3VA1120-4GE42-0AA0	23305.-
		25	3VA1125-4EE32-0AA0	17805.-	3VA1125-4GE42-0AA0	23305.-
		32	3VA1132-4EE32-0AA0	17805.-	3VA1132-4GE42-0AA0	23305.-
		40	3VA1140-4EE32-0AA0	17805.-	3VA1140-4GE42-0AA0	23305.-
		50	3VA1150-4EE32-0AA0	17805.-	3VA1150-4GE42-0AA0	23305.-
		63	3VA1163-4EE32-0AA0	17805.-	3VA1163-4GE42-0AA0	23305.-
		80	3VA1180-4EE32-0AA0	17805.-	3VA1180-4GE42-0AA0	23305.-
		100	3VA1110-4EE32-0AA0	17805.-	3VA1110-4GE42-0AA0	23305.-
		125	3VA1112-4EE32-0AA0	27395.-	3VA1112-4GE42-0AA0	34900.-
3VA12		160	3VA1116-4EE32-0AA0	31355.-	3VA1116-4GE42-0AA0	40695.-
		200	3VA1220-4EE32-0AA0	39555.-	3VA1220-4GE42-0AA0	48735.-
3VA13		250	3VA1225-4EE32-0AA0	41930.-	3VA1225-4GE42-0AA0	52645.-
		320	3VA1332-4EE32-0AA0	56230.-	3VA1332-4GE42-0AA0	72795.-
3VA14		400	3VA1340-4EE32-0AA0	56230.-	3VA1340-4GE42-0AA0	72795.-
		500	3VA1450-4EE32-0AA0	72570.-	3VA1450-4GE42-0AA0	94010.-
3VA14		630	3VA1463-4EE32-0AA0	72570.-	3VA1463-4GE42-0AA0	94010.-
		16	3VA1196-5EE32-0AA0	20285.-	3VA1196-5GE42-0AA0	25640.-
3VA11	55kA	20	3VA1120-5EE32-0AA0	20285.-	3VA1120-5GE42-0AA0	25640.-
		25	3VA1125-5EE32-0AA0	20285.-	3VA1125-5GE42-0AA0	25640.-
		32	3VA1132-5EE32-0AA0	20285.-	3VA1132-5GE42-0AA0	25640.-
		40	3VA1140-5EE32-0AA0	20285.-	3VA1140-5GE42-0AA0	25640.-
		50	3VA1150-5EE32-0AA0	20285.-	3VA1150-5GE42-0AA0	25640.-
		63	3VA1163-5EE32-0AA0	20285.-	3VA1163-5GE42-0AA0	25640.-
		80	3VA1180-5EE32-0AA0	20285.-	3VA1180-5GE42-0AA0	25640.-
		100	3VA1110-5EE32-0AA0	20285.-	3VA1110-5GE42-0AA0	25640.-
		125	3VA1112-5EE32-0AA0	31860.-	3VA1112-5GE42-0AA0	38265.-
		160	3VA1116-5EE32-0AA0	34465.-	3VA1116-5GE42-0AA0	44485.-
3VA12		200	3VA1220-5EE32-0AA0	41185.-	3VA1220-5GE42-0AA0	50305.-
		250	3VA1225-5EE32-0AA0	43670.-	3VA1225-5GE42-0AA0	55325.-
3VA13		320	3VA1332-5EE32-0AA0	64115.-	3VA1332-5GE42-0AA0	80320.-
		400	3VA1340-5EE32-0AA0	64115.-	3VA1340-5GE42-0AA0	80320.-
3VA14		500	3VA1450-5EE32-0AA0	82925.-	3VA1450-5GE42-0AA0	103595.-
		630	3VA1463-5EE32-0AA0	82925.-	3VA1463-5GE42-0AA0	103595.-
3VA15		800#	3VA1580-5EF32-0AA0	123890.-	3VA1580-5GF42-0AA0	160550.-
		1000#	3VA1510-5EF32-0AA0	173075.-	3VA1510-5GF42-0AA0	224590.-
3VA11	70kA	16	3VA1196-6EE32-0AA0	27755.-	3VA1196-6GE42-0AA0	34890.-
		20	3VA1120-6EE32-0AA0	27755.-	3VA1120-6GE42-0AA0	34890.-
		25	3VA1125-6EE32-0AA0	27755.-	3VA1125-6GE42-0AA0	34890.-
		32	3VA1132-6EE32-0AA0	27755.-	3VA1132-6GE42-0AA0	34890.-
		40	3VA1140-6EE32-0AA0	27755.-	3VA1140-6GE42-0AA0	34890.-
		50	3VA1150-6EE32-0AA0	27755.-	3VA1150-6GE42-0AA0	34890.-
		63	3VA1163-6EE32-0AA0	27755.-	3VA1163-6GE42-0AA0	34890.-
		80	3VA1180-6EE32-0AA0	27755.-	3VA1180-6GE42-0AA0	34890.-
		100	3VA1110-6EE32-0AA0	27755.-	3VA1110-6GE42-0AA0	34890.-
		125	3VA1112-6EE32-0AA0	51610.-	3VA1112-6GE42-0AA0	55340.-
3VA12		160	3VA1116-6EE32-0AA0	51610.-	3VA1116-6GE42-0AA0	55340.-
		200	3VA1220-6EE32-0AA0	55545.-	3VA1220-6GE42-0AA0	71475.-
3VA13		250	3VA1225-6EE32-0AA0	62250.-	3VA1225-6GE42-0AA0	71475.-
		320	3VA1332-6EE32-0AA0	70275.-	3VA1332-6GE42-0AA0	90850.-
3VA14		400	3VA1340-6EE32-0AA0	70275.-	3VA1340-6GE42-0AA0	90850.-
		500	3VA1450-6EE32-0AA0	99895.-	3VA1450-6GE42-0AA0	129520.-
3VA15		630	3VA1463-6EE32-0AA0	99895.-	3VA1463-6GE42-0AA0	129520.-
		800#	3VA1580-6EF32-0AA0	136425.-	3VA1580-6GF42-0AA0	176795.-
3VA15		1000#	3VA1510-6EF32-0AA0	190245.-	3VA1510-6GF42-0AA0	247315.-

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

Circuit Breakers

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

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

For lower ratings, please contact your nearest Siemens Sales Office

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

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)		Breaking Capacity (70kA, 415V, 50Hz)	
		Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	1	3VA1181-5MG32-0AA0*	18655.-	3VA1181-6MG32-0AA0*	22910.-
	2	3VA1102-5MG32-0AA0*	18655.-	3VA1102-6MG32-0AA0*	22910.-
	4	3VA1104-5MG32-0AA0*	18655.-	3VA1104-6MG32-0AA0*	22910.-
	8	3VA1108-5MG32-0AA0*	18655.-	3VA1108-6MG32-0AA0*	22910.-
	12.5	3VA1192-5MG32-0AA0*	18655.-	3VA1192-6MG32-0AA0*	22910.-
	20	3VA1120-5MH32-0AA0	18655.-	3VA1120-6MH32-0AA0	22910.-
	32	3VA1132-5MH32-0AA0	22285.-	3VA1132-6MH32-0AA0	24015.-
	40	3VA1140-5MH32-0AA0	22285.-	3VA1140-6MH32-0AA0	24015.-
	50	3VA1150-5MH32-0AA0	22285.-	3VA1150-6MH32-0AA0	24015.-
	63	3VA1163-5MH32-0AA0	22285.-	3VA1163-6MH32-0AA0	24015.-
	80	3VA1180-5MH32-0AA0	22285.-	3VA1180-6MH32-0AA0	24015.-
	100	3VA1110-5MH32-0AA0	22285.-	3VA1110-6MH32-0AA0	24015.-
	125	3VA1112-5MH32-0AA0	31965.-	3VA1112-6MH32-0AA0	34550.-
3VA12	160	3VA1216-5MH32-0AA0	33540.-	3VA1216-6MH32-0AA0	47800.-
	200	3VA1220-5MH32-0AA0	46130.-	3VA1220-6MH32-0AA0	56610.-
3VA13	250	3VA1325-5MH32-0AA0	50335.-	3VA1325-6MH32-0AA0	57295.-
	320	3VA1332-5MH32-0AA0	69075.-	3VA1332-6MH32-0AA0	78715.-
3VA14	400	3VA1440-5MH32-0AA0	79070.-	3VA1440-6MH32-0AA0	82615.-
	500	3VA1450-5MH32-0AA0	91025.-	3VA1450-6MH32-0AA0	103345.-
3VA15	630	3VA1563-5MH32-0AA0	104935.-	3VA1563-6MH32-0AA0	114320.-
	800	3VA1580-5MH32-0AA0	139390.-	3VA1580-6MH32-0AA0	153485.-

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

& Fixed magnetic trip unit

SETRON 3VA MCCB, Switch Disconnector (without protection)

Frame Size	Breaking Capacity	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA11	NA	63	3VA1163-1AA32-0AA0	15655.-	3VA1163-1AA42-0AA0	23135.-
		100	3VA1110-1AA32-0AA0	15655.-	3VA1110-1AA42-0AA0	23135.-
		125	3VA1112-1AA32-0AA0	32030.-	3VA1112-1AA42-0AA0	42700.-
		160	3VA1116-1AA32-0AA0	32030.-	3VA1116-1AA42-0AA0	42700.-
3VA12	NA	250	3VA1225-1AA32-0AA0	32030.-	3VA1225-1AA42-0AA0	42700.-
3VA13	NA	400	3VA1340-1AA32-0AA0	41310.-	3VA1340-1AA42-0AA0	53715.-

NA - Not Applicable

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

### Earth fault monitoring relay

Description	Type	Unit LP* ₹	
Earth fault monitoring relay	7UG0861-1BU20	6095.-	
CBCT for EFR: 160 frame Suitable for 3VA1 up to 160A	3P	7UG09910	2105.-
	4P	7UG09911	2400.-
CBCT for EFR: 250 frame Suitable for 3VA1 250A, 3VA2 up to 250A	3P	7UG09912	2540.-
	4P	7UG09913	2995.-
CBCT for EFR: 630 frame Suitable for 3VA2 400A/ 630A	3P	7UG09914	3745.-
	4P	7UG09915	4050.-



### Earth leakage monitoring relay

Description	Type	Unit LP* ₹	
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG0841-1CB20	5895.-
	230VAC	7UG0842-1CD20	5955.-
CBCT for ELR	35 mm dia	7UG0996	2145.-
	70 mm dia	7UG0997	2450.-
	120 mm dia	7UG0999	4175.-
	210 mm dia	7UG0994	8035.-
	310 mm dia	7UG0995	11970.-



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



MCCB with O/L & S/C protection

+



Shunt release

+



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

=



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

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

Inbuilt  
in ETU5

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



Predictive maintenance



Improved organization of personnel  
and material costs



Optimized energy availability



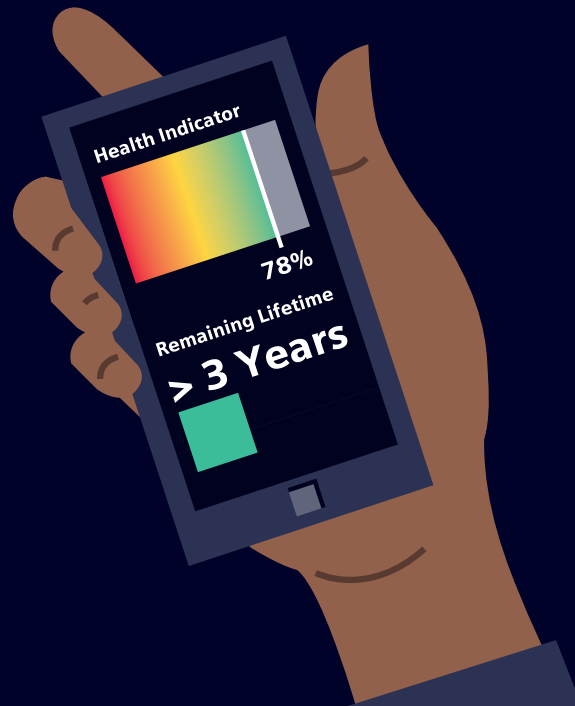
Reduced time and costs for  
maintenance



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



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



SENTRON 3VA - Flying on the wings of technology

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole		4 Pole	
			Type	Unit LP* ₹	Type	Unit LP* ₹
3VA20	36kA	25	3VA2025-4HL32-0AA0	33955.-	3VA2025-4HL42-0AA0	43775.-
		40	3VA2040-4HL32-0AA0	33955.-	3VA2040-4HL42-0AA0	43775.-
		63	3VA2063-4HL32-0AA0	33955.-	3VA2063-4HL42-0AA0	43775.-
		100	3VA2010-4HL32-0AA0	33955.-	3VA2010-4HL42-0AA0	43775.-
		160	3VA2116-4HL32-0AA0	45905.-	3VA2116-4HL42-0AA0	64070.-
		250	3VA2225-4HL32-0AA0	63000.-	3VA2225-4HL42-0AA0	85425.-
		400	3VA2340-4HL32-0AA0	84175.-	3VA2340-4HL42-0AA0	110790.-
3VA21	55kA	630	3VA2463-4HL32-0AA0	87510.-	3VA2463-4HL42-0AA0	115960.-
3VA22		25	3VA2025-5HL32-0AA0	43180.-	3VA2025-5HL42-0AA0	59150.-
3VA23		40	3VA2040-5HL32-0AA0	43180.-	3VA2040-5HL42-0AA0	59150.-
3VA24		63	3VA2063-5HL32-0AA0	43180.-	3VA2063-5HL42-0AA0	59150.-
3VA25		100	3VA2010-5HL32-0AA0	43180.-	3VA2010-5HL42-0AA0	59150.-
		160	3VA2116-5HL32-0AA0	54730.-	3VA2116-5HL42-0AA0	70875.-
		250	3VA2225-5HL32-0AA0	71510.-	3VA2225-5HL42-0AA0	94415.-
3VA26	400	3VA2340-5HL32-0AA0	90755.-	3VA2340-5HL42-0AA0	118940.-	
	630	3VA2463-5HL32-0AA0	111485.-	3VA2463-5HL42-0AA0	124505.-	
	800	3VA2580-5HL32-0AA0	163015.-	3VA2580-5HL42-0AA0	208530.-	
3VA20	85kA	1000	3VA2510-5HL32-0AA0	216000.-	3VA2510-5HL42-0AA0	288365.-
		1250	3VA2612-5HL32-0AA0	306245.-	3VA2612-5HL42-0AA0	408935.-
		25	3VA2025-6HL32-0AA0	56450.-	3VA2025-6HL42-0AA0	69935.-
		40	3VA2040-6HL32-0AA0	56450.-	3VA2040-6HL42-0AA0	69935.-
		63	3VA2063-6HL32-0AA0	56450.-	3VA2063-6HL42-0AA0	69935.-
		100	3VA2010-6HL32-0AA0	56450.-	3VA2010-6HL42-0AA0	69935.-
		160	3VA2116-6HL32-0AA0	74020.-	3VA2116-6HL42-0AA0	94490.-
		250	3VA2225-6HL32-0AA0	82205.-	3VA2225-6HL42-0AA0	119715.-
		400	3VA2340-6HL32-0AA0	103155.-	3VA2340-6HL42-0AA0	135455.-
		630	3VA2463-6HL32-0AA0	123235.-	3VA2463-6HL42-0AA0	164435.-
3VA25	800	3VA2580-6HL32-0AA0	179225.-	3VA2580-6HL42-0AA0	238395.-	
	1000	3VA2510-6HL32-0AA0	247020.-	3VA2510-6HL42-0AA0	329730.-	
3VA26	1250	3VA2612-6HL32-0AA0	349990.-	3VA2612-6HL42-0AA0	468480.-	

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	46765.-	3VA2025-4HM42-0AA0	57655.-
		40	3VA2040-4HM32-0AA0	46765.-	3VA2040-4HM42-0AA0	57655.-
		63	3VA2063-4HM32-0AA0	46765.-	3VA2063-4HM42-0AA0	57655.-
		100	3VA2010-4HM32-0AA0	46765.-	3VA2010-4HM42-0AA0	57655.-
		160	3VA2116-4HM32-0AA0	59150.-	3VA2116-4HM42-0AA0	73670.-
		250	3VA2225-4HM32-0AA0	74755.-	3VA2225-4HM42-0AA0	93965.-
		400	3VA2340-4HM32-0AA0	100540.-	3VA2340-4HM42-0AA0	126815.-
3VA21	55kA	630	3VA2463-4HM32-0AA0	110595.-	3VA2463-4HM42-0AA0	139470.-
3VA22		25	3VA2025-5HM32-0AA0	53310.-	3VA2025-5HM42-0AA0	61085.-
3VA23		40	3VA2040-5HM32-0AA0	53310.-	3VA2040-5HM42-0AA0	61085.-
3VA24		63	3VA2063-5HM32-0AA0	53310.-	3VA2063-5HM42-0AA0	61085.-
3VA25		100	3VA2010-5HM32-0AA0	54405.-	3VA2010-5HM42-0AA0	63845.-
		160	3VA2116-5HM32-0AA0	73300.-	3VA2116-5HM42-0AA0	87960.-
		250	3VA2225-5HM32-0AA0	89390.-	3VA2225-5HM42-0AA0	111565.-
3VA26	400	3VA2340-5HM32-0AA0	107940.-	3VA2340-5HM42-0AA0	136155.-	
	630	3VA2463-5HM32-0AA0	118755.-	3VA2463-5HM42-0AA0	149745.-	
	800	3VA2580-5HM32-0AA0	172330.-	3VA2580-5HM42-0AA0	224040.-	
3VA20	85kA	1000	3VA2510-5HM32-0AA0	231510.-	3VA2510-5HM42-0AA0	303885.-
		1250	3VA2612-5HM32-0AA0	323860.-	3VA2612-5HM42-0AA0	427770.-
		25	3VA2025-6HM32-0AA0	66560.-	3VA2025-6HM42-0AA0	80950.-
		40	3VA2040-6HM32-0AA0	66560.-	3VA2040-6HM42-0AA0	80950.-
		63	3VA2063-6HM32-0AA0	66560.-	3VA2063-6HM42-0AA0	80950.-
		100	3VA2010-6HM32-0AA0	66560.-	3VA2010-6HM42-0AA0	80950.-
		160	3VA2116-6HM32-0AA0	84805.-	3VA2116-6HM42-0AA0	106445.-
		250	3VA2225-6HM32-0AA0	99320.-	3VA2225-6HM42-0AA0	139345.-
		400	3VA2340-6HM32-0AA0	120340.-	3VA2340-6HM42-0AA0	152640.-
		630	3VA2463-6HM32-0AA0	132370.-	3VA2463-6HM42-0AA0	167920.-
3VA25	800	3VA2580-6HM32-0AA0	194170.-	3VA2580-6HM42-0AA0	253910.-	
	1000	3VA2510-6HM32-0AA0	261955.-	3VA2510-6HM42-0AA0	345240.-	
3VA26	1250	3VA2612-6HM32-0AA0	368220.-	3VA2612-6HM42-0AA0	487310.-	

Std. Pkg. = 1 unit

\* LP - List Price

# SENTRON 3VA - Accessories

Frame	3VA1 100A/ 160A/ 250A/ 400A/ 630A/ 800A/ 1000A	Unit LP* ₹	3VA2 100A / 160A / 250A 3VA2 400A/630A/800A/1000A/1250A	Unit LP* ₹
Accessory	Type		Type	
Auxiliary switch (AUX)	3VA9988-0AA12 (1 C/O)	2530.-	3VA9988-0AA12 (1 C/O)	2530.-
Alarm switch (TAS)	3VA9988-0AB12 (1 C/O)	3905.-	3VA9988-0AB12 (1 C/O)	3905.-
Short-circuit Alarm switch (SAS) for 3VA1 Only	3VA9988-0AB32 (for 3VA10/ 11 100A/ 160A) 3VA9988-0AB34 (for 3VA12/ 13/ 14 250A/ 400A/ 630A)	2085.- 2085.-	-	-
Electrical alarm switches (EAS) for 3VA2 Only	-	-	3VA9988-0AB22	2085.-
Under voltage release (UVR)				
120-127 V AC 50/60 Hz 208-230 V AC 50/60 Hz 380-400 V AC 50/60 Hz	3VA9908-0BB24 3VA9908-0BB25 3VA9908-0BB26	5980.-	3VA9908-0BB24 3VA9908-0BB25 3VA9908-0BB26	5980.-
Shunt release flexible (STF)				
110-127 V AC 50/60 Hz 208-277 V AC 50/60 Hz 380-500 V AC 50/60 Hz	3VA9988-0BA22 3VA9988-0BA23 3VA9988-0BA24	4505.-	3VA9988-0BA22 3VA9988-0BA23 3VA9988-0BA24	4505.-
Shunt release left (STL)				
110-127 V AC 50/60 Hz 208-277 V AC 50/60 Hz 380-500 V AC 50/60 Hz	3VA9988-0BL32 3VA9988-0BL33 3VA9988-0BL20	4505.-	3VA9988-0BL32 3VA9988-0BL33 3VA9988-0BL20	4505.-
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)	3005.- 3160.- 4950.-	3VA9267-0FK51 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK51 (for 3VA23/ 24 400A/ 630A)	3160.- 4950.-
Extended Door Mounted Rotary Operator ^	3VA9687-0FK21 (for 3VA15 800/ 1000A)	12920.-	3VA9687-0FK21 (for 3VA25/26 800A/1000A/1250A)	12920.-
Illuminated - Door mounted rotary operator 24V DC	3VA9157-0FK23 (for 3VA10/ 11 100A/160A) 3VA9257-0FK23 (for 3VA12 250A) 3VA9467-0FK23 (for 3VA13/ 14 400A/ 630A) 3VA9687-0FK23 (for 3VA15 800A/1000A)	7710.- 8480.- 10780.- 14185.-	3VA9267-0FK23 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0FK23 (for 3VA23/ 24 400A/ 630A) 3VA9687-0FK23 (for 3VA25/26 800A/1000A/1250A)	8480.- 10780.- 14185.-
Castell interlock kit* (for breakers with 8UC Handles) (To interlock two or more circuit breakers)	8UC60701YQ.. 3VA10/ 11 (100A/ 160A) 8UC60701YQ.. 3VA12 (250A)	6280.- 6280.-	8UC60701YQ.. 3VA20/ 21/ 22 (100A/ 160A/ 250A) 8UC60701YQ.. 3VA23/ 24 (400A/ 630A)	6280.- 6280.-
Sliding Bar Interlock (for same size breakers with Toggle Lever)	3VA9158-0VF30 (for 3VA10/ 11 100A/160A) 3VA9258-0VF30 (for 3VA12 250A) 3VA9368-0VF30 (for 3VA13/ 14 400A/ 630A)	7710.- 8005.- 9040.-	3VA9168-0VF30 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9368-0VF30 (for 3VA23/ 24 400A/ 630A)	8480.- 9040.-
Locking device for breaker with Toggle lever	3VA9088-0LB10 (3VA10/ 11/ 12 100A/ 160A/ 250A) 3VA9388-0LB10 (for 3VA13/ 14 400A/ 630A) 3VA9588-0LB10 (3VA15 800/ 1000A)	2355.- 3105.- 6695.-	3VA9388-0LB10 (for 3VA20/ 21/ 22/ 23/ 24 100A/ 160A/ 250A/ 400A/ 630A) 3VA9588-0LB10 (3VA25/26 800/ 1000/ 1250A)	3105.- 6695.-
Motorised drive - (Motorised operator - MO) 110-230V AC/ 110-250VDC	3VA9157-0HA20 (for 3VA11 160A) 3VA9257-0HA20 (for 3VA12 250A) 3VA9467-0HA20 (for 3VA13/ 14 400A/ 630A)	25885.- 33875.- 39995.-	3VA9267-0HA20 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9467-0HA20 (for 3VA23/ 24 400A/ 630A)	33875.- 39995.-
Spreader links - Broadened (with phase barriers)	3VA9153-0QC50 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA9154-0QC50 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA9253-0QC50 (for 3pole, 3VA12 250A) 3VA9254-0QC50 (for 4pole, 3VA12 250A) 3VA9483-0QC50 (for 3pole 3VA13/ 14 400A/ 630A) 3VA9484-0QC50 (for 4pole 3VA13/ 14 400A/ 630A)	1265.- 1615.- 1575.- 2095.- 2115.- 2740.-	3VA9263-0QC50 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9264-0QC50 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9483-0QC50 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA9484-0QC50 (for 4pole, 3VA23/ 24 400A/ 630A)	1705.- 2225.- 2115.- 2740.-
Busbar extensions (with phase barriers)	3VA9603-0QB00 (for 3pole, 3VA15 800A/ 1000A) 3VA9604-0QB00 (for 4pole, 3VA15 800A/ 1000A)	7105.- 9485.-	3VA9603-0QB00 (for 3pole, 3VA25 800A/ 1000A) 3VA9604-0QB00 (for 4pole, 3VA25 800A/ 1000A)	7105.- 9485.-
Rear Terminals - Flat 1 set = 2 short + 1 Long (3pole) / 2 short + 2 Long (4pole)	3VA9113-0QE00 (for 3pole, 3VA10/ 11 100A/ 160A) 3VA9114-0QE00 (for 4pole, 3VA10/ 11 100A/ 160A) 3VA9213-0QE00 (for 3pole, 3VA12 250A) 3VA9214-0QE00 (for 4pole, 3VA12 250A) 3VA9403-0QE00 (for 3pole, 3VA13/ 14 400A/ 630A) 3VA9404-0QE00 (for 4pole, 3VA13/ 14 400A/ 630A)	2645.- 3575.- 3380.- 4525.- 5485.- 7320.-	3VA9203-0QE00 (for 3pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9204-0QE00 (for 4pole, 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9403-0QE00 (for 3pole, 3VA23/ 24 400A/ 630A) 3VA9404-0QE00 (for 4pole, 3VA23/ 24 400A/ 630A)	3380.- 4525.- 5485.- 7320.-
Phase Barriers (1 set = 2 phase barriers)	3VA9152-0WA00 (for 3VA10/ 11 100A/ 160A) 3VA9252-0WA00 (for 3VA12 250A) 3VA9482-0WA00 (for 3VA13/ 14 400A/ 630A) 3VA9602-0WA00 (for 3VA15 800A/ 1000A)	505.- 505.- 1185.- 1190.-	3VA9262-0WA00 (for 3VA20/ 21/ 22 100A/ 160A/ 250A) 3VA9482-0WA00 (for 3VA23/ 24 400A/ 630A) 3VA9602-0WA00 (for 3VA25/26 800A/1000A/1250A)	505.- 1185.- 1190.-
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)	POR	8US1213-4AP03 (for 3VA20/ 21/ 22) 8US1213-4AH04 (for 3VA23/ 24)	POR

**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, please contact your nearest Siemens Sales Office.

For side mounted handles please contact your nearest Siemens Sales Office.

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

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

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

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

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

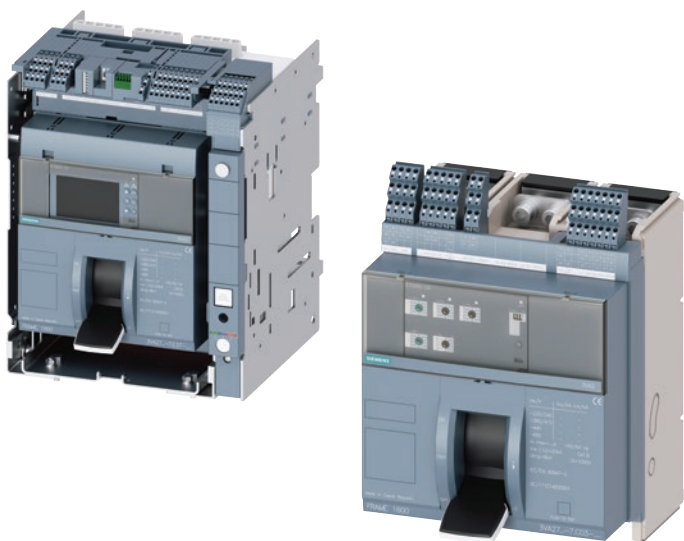
Std. Pkg. = 1 unit

\* LP - List Price

POR: Price On Request



## 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/ LSI 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	326990.-	3VA2712-5AB13-0AA0	439805.-
		1600	3VA2716-5AB03-0AA0	452550.-	3VA2716-5AB13-0AA0	609005.-
	85kA	1250	3VA2712-6AB03-0AA0	359220.-	3VA2712-6AB13-0AA0	483435.-
		1600	3VA2716-6AB03-0AA0	496865.-	3VA2716-6AB13-0AA0	669430.-

### SENTRON 3VA MCCB, Microprocessor Trip Unit, ETU360 LSI, 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	353850.-	3VA2712-5AD13-0AA0	465980.-
		1600	3VA2716-5AD03-0AA0	478735.-	3VA2716-5AD13-0AA0	635180.-
	85kA	1250	3VA2712-6AD03-0AA0	385405.-	3VA2712-6AD13-0AA0	510295.-
		1600	3VA2716-6AD03-0AA0	523060.-	3VA2716-6AD13-0AA0	698295.-

## Accessories for 3VA27

	Description	Type	Unit LP* ₹	Std. pkg. (nos.)
	Auxiliary switch (AUX)	3VW9011-0AG01	5835.-	1
	Alarm switch (TAS)	3VW9011-0AH14	2880.-	1
	Shunt release (ST)			
	110-120 V AC 50/60 HZ 220-240 V AC 50/60 HZ	3VW9011-0AD05 3VW9011-0AD07	13420.-	1
	Under voltage release (UVR)			
	110-120 V AC 50/60 Hz 220-240 V AC 50/60 Hz 415-440 V AC 50/60 Hz	3VW9011-0AE05 3VW9011-0AE07 3VW9011-0AE18	14530.-	1
	Extended Door Mounted Rotary Operator <sup>^</sup> (Standard - Gray)	3VW9727-0FK21	12920.-	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 contact your nearest Siemens Sales Office for more Auxiliary combinations & choice of accessories

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



# One system. Worldwide application.

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

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

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

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

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**SIEMENS**





# 3VM moulded case circuit breaker

Efficient. Powerful.

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**SIEMENS**

# MCCB: SENTRON 3VM

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



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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit MRP <sup>®</sup> ₹	4 Pole Type	Unit MRP <sup>®</sup> ₹
3VM10	16kA	16	3VM1096-2ED32-0AA0	9930.-	3VM1096-2ED42-0AA0	12870.-
		20	3VM1020-2ED32-0AA0	9930.-	3VM1020-2ED42-0AA0	12870.-
		25	3VM1025-2ED32-0AA0	9930.-	3VM1025-2ED42-0AA0	12870.-
		32	3VM1032-2ED32-0AA0	9930.-	3VM1032-2ED42-0AA0	12870.-
		40	3VM1040-2ED32-0AA0	9930.-	3VM1040-2ED42-0AA0	12870.-
		50	3VM1050-2ED32-0AA0	9930.-	3VM1050-2ED42-0AA0	12870.-
		63	3VM1063-2ED32-0AA0	9930.-	3VM1063-2ED42-0AA0	12870.-
		80	3VM1080-2ED32-0AA0	10850.-	3VM1080-2ED42-0AA0	14090.-
		100	3VM1010-2ED32-0AA0	11775.-	3VM1010-2ED42-0AA0	15340.-
3VM10	25kA	16	3VM1096-3ED32-0AA0	10290.-	3VM1096-3ED42-0AA0	13435.-
		20	3VM1020-3ED32-0AA0	10290.-	3VM1020-3ED42-0AA0	13435.-
		25	3VM1025-3ED32-0AA0	10290.-	3VM1025-3ED42-0AA0	13435.-
		32	3VM1032-3ED32-0AA0	10290.-	3VM1032-3ED42-0AA0	13435.-
		40	3VM1040-3ED32-0AA0	10290.-	3VM1040-3ED42-0AA0	13435.-
		50	3VM1050-3ED32-0AA0	10290.-	3VM1050-3ED42-0AA0	13435.-
		63	3VM1063-3ED32-0AA0	10290.-	3VM1063-3ED42-0AA0	13435.-
		80	3VM1080-3ED32-0AA0	11205.-	3VM1080-3ED42-0AA0	14570.-
		100	3VM1010-3ED32-0AA0	12030.-	3VM1010-3ED42-0AA0	15655.-
3VM11		125	3VM1112-3ED32-0AA0	15420.-	3VM1112-3ED42-0AA0	20360.-
		160	3VM1116-3ED32-0AA0	20115.-	3VM1116-3ED42-0AA0	25470.-

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	36kA	16	3VM1196-4ED32-0AA0	10855.-	3VM1196-4GD42-0AA0	15030.-
		20	3VM1120-4ED32-0AA0	10855.-	3VM1120-4GD42-0AA0	15030.-
		25	3VM1125-4ED32-0AA0	10855.-	3VM1125-4GD42-0AA0	15030.-
		32	3VM1132-4ED32-0AA0	10855.-	3VM1132-4GD42-0AA0	15030.-
		40	3VM1140-4ED32-0AA0	10855.-	3VM1140-4GD42-0AA0	15030.-
		50	3VM1150-4ED32-0AA0	10855.-	3VM1150-4GD42-0AA0	15030.-
		63	3VM1163-4ED32-0AA0	10855.-	3VM1163-4GD42-0AA0	15030.-
		80	3VM1180-4ED32-0AA0	11400.-	3VM1180-4GD42-0AA0	16480.-
		100	3VM1110-4ED32-0AA0	13230.-	3VM1110-4GD42-0AA0	19045.-
		125	3VM1112-4ED32-0AA0	23225.-	3VM1112-4GD42-0AA0	30195.-
		160	3VM1116-4ED32-0AA0	25655.-	3VM1116-4GD42-0AA0	33365.-
3VM12		200	3VM1220-4ED32-0AA0	27565.-	3VM1220-4GD42-0AA0	34120.-
		250	3VM1225-4ED32-0AA0	36765.-	3VM1225-4GD42-0AA0	43320.-
3VM13		320	3VM1332-4ED32-0AA0	49875.-	3VM1332-4GD42-0AA0	61670.-
		400	3VM1340-4ED32-0AA0	51190.-	3VM1340-4GD42-0AA0	62990.-
3VM14		500	3VM1450-4ED32-0AA0	56310.-	3VM1450-4GD42-0AA0	68120.-
		630	3VM1463-4ED32-0AA0	56310.-	3VM1463-4GD42-0AA0	68120.-

^ 3VM11 TMTU up to 160A

AM: Adjustable Magnetic

FM: Fixed Magnetic

Std. Pkg. = 1 unit

\* LP - List Price

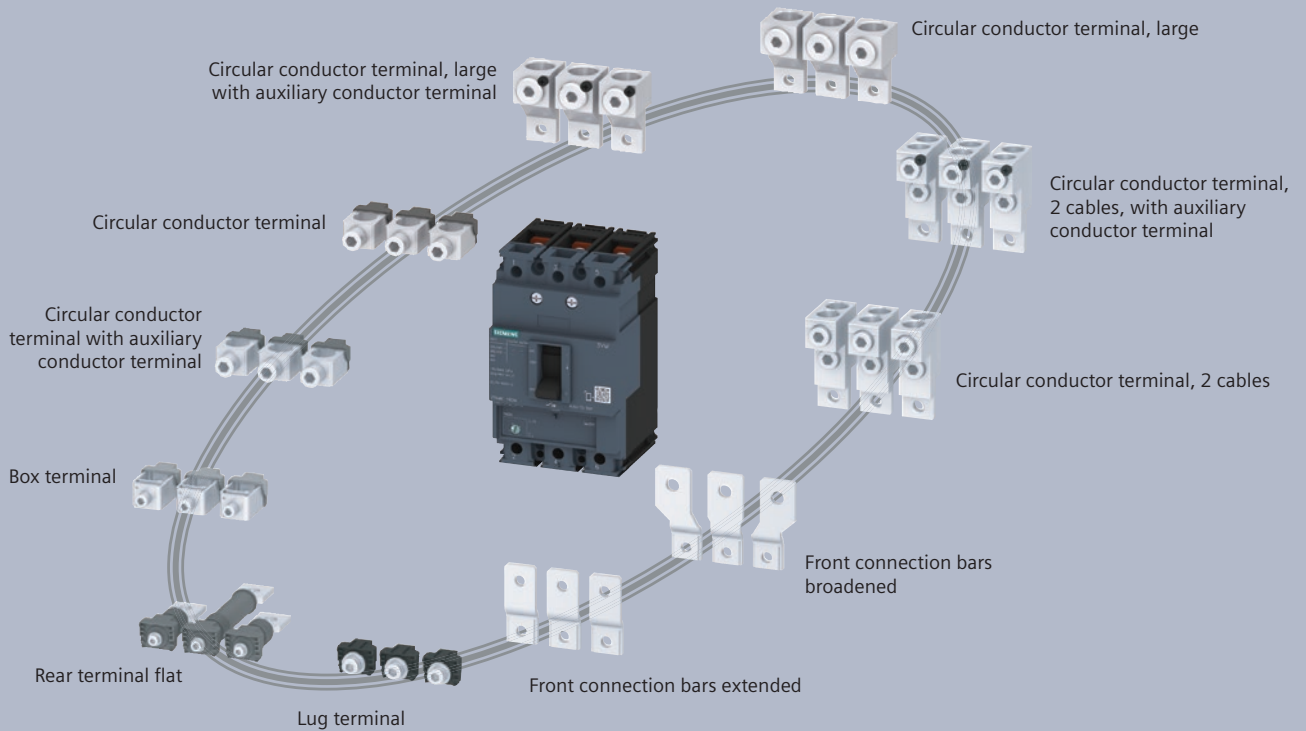
® MRP - Max. Retail Price

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	3VM1196-5ED32-0AA0	12480.-	3VM1196-5GD42-0AA0	16190.-
		20	3VM1120-5ED32-0AA0	12480.-	3VM1120-5GD42-0AA0	16190.-
		25	3VM1125-5ED32-0AA0	12480.-	3VM1125-5GD42-0AA0	16190.-
		32	3VM1132-5ED32-0AA0	12480.-	3VM1132-5GD42-0AA0	16190.-
		40	3VM1140-5ED32-0AA0	12480.-	3VM1140-5GD42-0AA0	16190.-
		50	3VM1150-5ED32-0AA0	12480.-	3VM1150-5GD42-0AA0	16190.-
		63	3VM1163-5ED32-0AA0	12480.-	3VM1163-5GD42-0AA0	16190.-
		80	3VM1180-5ED32-0AA0	13675.-	3VM1180-5GD42-0AA0	17775.-
		100	3VM1110-5ED32-0AA0	15840.-	3VM1110-5GD42-0AA0	20560.-
		125	3VM1112-5ED32-0AA0	25525.-	3VM1112-5GD42-0AA0	33185.-
		160	3VM1116-5ED32-0AA0	28200.-	3VM1116-5GD42-0AA0	36690.-
3VM12		200	3VM1220-5ED32-0AA0	30505.-	3VM1220-5GD42-0AA0	38650.-
		250	3VM1225-5ED32-0AA0	39705.-	3VM1225-5GD42-0AA0	47860.-
3VM13		320	3VM1332-5ED32-0AA0	54085.-	3VM1332-5GD42-0AA0	64920.-
		400	3VM1340-5ED32-0AA0	55415.-	3VM1340-5GD42-0AA0	66245.-
3VM14		500	3VM1450-5ED32-0AA0	60520.-	3VM1450-5GD42-0AA0	71360.-
		630	3VM1463-5ED32-0AA0	60520.-	3VM1463-5GD42-0AA0	71360.-

Circuit Breakers

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



..to meet ALL installation requirements.

Std. Pkg. = 1 unit

\* LP - List Price

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

Frame Size	Breaking Capacity @ 415VAC, 50Hz	Rated Current In (A)	3 Pole Type	Unit LP* ₹	4 Pole Type	Unit LP* ₹
3VM11	25kA	16	3VM1196-3EE32-0AA0	12220.-	3VM1196-3GE42-0AA0	18420.-
		20	3VM1120-3EE32-0AA0	12220.-	3VM1120-3GE42-0AA0	18420.-
		25	3VM1125-3EE32-0AA0	12220.-	3VM1125-3GE42-0AA0	18420.-
		32	3VM1132-3EE32-0AA0	12220.-	3VM1132-3GE42-0AA0	18420.-
		40	3VM1140-3EE32-0AA0	12220.-	3VM1140-3GE42-0AA0	18420.-
		50	3VM1150-3EE32-0AA0	12220.-	3VM1150-3GE42-0AA0	18420.-
		63	3VM1163-3EE32-0AA0	12220.-	3VM1163-3GE42-0AA0	18420.-
		80	3VM1180-3EE32-0AA0	12220.-	3VM1180-3GE42-0AA0	18420.-
		100	3VM1110-3EE32-0AA0	12220.-	3VM1110-3GE42-0AA0	18420.-
				125	3VM1112-3EE32-0AA0	15775.-
		160	3VM1116-3EE32-0AA0	21705.-	3VM1116-3GE42-0AA0	27625.-
3VM11	36kA	16	3VM1196-4EE32-0AA0	15810.-	3VM1196-4GE42-0AA0	20690.-
		20	3VM1120-4EE32-0AA0	15810.-	3VM1120-4GE42-0AA0	20690.-
		25	3VM1125-4EE32-0AA0	15810.-	3VM1125-4GE42-0AA0	20690.-
		32	3VM1132-4EE32-0AA0	15810.-	3VM1132-4GE42-0AA0	20690.-
		40	3VM1140-4EE32-0AA0	15810.-	3VM1140-4GE42-0AA0	20690.-
		50	3VM1150-4EE32-0AA0	15810.-	3VM1150-4GE42-0AA0	20690.-
		63	3VM1163-4EE32-0AA0	15810.-	3VM1163-4GE42-0AA0	20690.-
		80	3VM1180-4EE32-0AA0	15810.-	3VM1180-4GE42-0AA0	20690.-
		100	3VM1110-4EE32-0AA0	15810.-	3VM1110-4GE42-0AA0	20690.-
				125	3VM1112-4EE32-0AA0	24330.-
		160	3VM1116-4EE32-0AA0	26365.-	3VM1116-4GE42-0AA0	34225.-
3VM12		200	3VM1220-4EE32-0AA0	38130.-	3VM1220-4GE42-0AA0	44500.-
		250	3VM1225-4EE32-0AA0	38130.-	3VM1225-4GE42-0AA0	44500.-
3VM13		320	3VM1332-4EE32-0AA0	51045.-	3VM1332-4GE42-0AA0	62495.-
		400	3VM1340-4EE32-0AA0	51520.-	3VM1340-4GE42-0AA0	62495.-
3VM14		500	3VM1450-4EE32-0AA0	58310.-	3VM1450-4GE42-0AA0	69755.-
		630	3VM1463-4EE32-0AA0	58310.-	3VM1463-4GE42-0AA0	69755.-
3VM11	55kA	16	3VM1196-5EE32-0AA0	18015.-	3VM1196-5GE42-0AA0	22760.-
		20	3VM1120-5EE32-0AA0	18015.-	3VM1120-5GE42-0AA0	22760.-
		25	3VM1125-5EE32-0AA0	18015.-	3VM1125-5GE42-0AA0	22760.-
		32	3VM1132-5EE32-0AA0	18015.-	3VM1132-5GE42-0AA0	22760.-
		40	3VM1140-5EE32-0AA0	18015.-	3VM1140-5GE42-0AA0	22760.-
		50	3VM1150-5EE32-0AA0	18015.-	3VM1150-5GE42-0AA0	22760.-
		63	3VM1163-5EE32-0AA0	18015.-	3VM1163-5GE42-0AA0	22760.-
		80	3VM1180-5EE32-0AA0	18015.-	3VM1180-5GE42-0AA0	22760.-
		100	3VM1110-5EE32-0AA0	18015.-	3VM1110-5GE42-0AA0	22760.-
				125	3VM1112-5EE32-0AA0	28280.-
		160	3VM1116-5EE32-0AA0	28995.-	3VM1116-5GE42-0AA0	37415.-
3VM12		200	3VM1220-5EE32-0AA0	40980.-	3VM1220-5GE42-0AA0	48895.-
		250	3VM1225-5EE32-0AA0	40980.-	3VM1225-5GE42-0AA0	48895.-
3VM13		320	3VM1332-5EE32-0AA0	55135.-	3VM1332-5GE42-0AA0	65645.-
		400	3VM1340-5EE32-0AA0	55650.-	3VM1340-5GE42-0AA0	65645.-
3VM14		500	3VM1450-5EE32-0AA0	62385.-	3VM1450-5GE42-0AA0	72900.-
		630	3VM1463-5EE32-0AA0	62385.-	3VM1463-5GE42-0AA0	72900.-

Circuit Breakers

Std. Pkg. = 1 unit

\* LP - List Price

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

Frame Size	Rated Current In (A)	Breaking Capacity (55kA, 415V, 50Hz)	Unit LP* ₹
3VM11	8 <sup>1)</sup>	3VM1108-5MG32-0AA0	15690.-
	12.5 <sup>1)</sup>	3VM1192-5MG32-0AA0	15690.-
	20	3VM1120-5MH32-0AA0	15690.-
	32	3VM1132-5MH32-0AA0	18745.-
	40	3VM1140-5MH32-0AA0	18745.-
	50	3VM1150-5MH32-0AA0	18745.-
	63	3VM1163-5MH32-0AA0	18745.-
	80	3VM1180-5MH32-0AA0	18745.-
	100	3VM1110-5MH32-0AA0	18745.-
3VM12	125	3VM1112-5MH32-0AA0	27900.-
	160	3VM1216-5MH32-0AA0	27900.-
3VM13	200	3VM1220-5MH32-0AA0	42325.-
	250	3VM1325-5MH32-0AA0	42325.-
3VM14	320	3VM1332-5MH32-0AA0	60650.-
	400	3VM1440-5MH32-0AA0	60650.-
	500	3VM1450-5MH32-0AA0	67220.-



SETRON 3VM, Switch Disconnector (without protection)

Frame Size	Rated Current In (A)	3pole Type	Unit LP* ₹	4pole Type	Unit LP* ₹
3VM11	63	3VM1163-1AA32-0AA0	11710.-	3VM1163-1AA42-0AA0	17300.-
	100	3VM1110-1AA32-0AA0	11710.-	3VM1110-1AA42-0AA0	17300.-
	125	3VM1112-1AA32-0AA0	17080.-	3VM1112-1AA42-0AA0	21500.-
	160	3VM1116-1AA32-0AA0	17080.-	3VM1116-1AA42-0AA0	21500.-
3VM12	250	3VM1225-1AA32-0AA0	28430.-	3VM1225-1AA42-0AA0	37915.-
3VM13	400	3VM1340-1AA32-0AA0	36675.-	3VM1340-1AA42-0AA0	47690.-

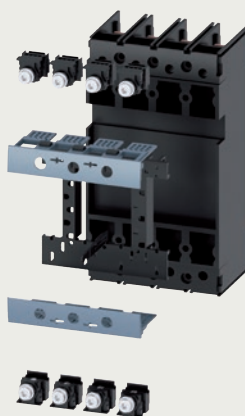
<sup>1)</sup> Fixed magnetic

## 3VM Plug in Portfolio

16A-630A, 3P & 4P



3VM MCCB



Plug in kit

### Plug in technology



Easy to handle



Quick Replacement



Safe Installation

Available as complete kit and/or conversion kit. Please contact your nearest Siemens Sales Office for further information.

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

Frame Size	Breaking Capacity	Rated Current In (A)	1 Pole Type	Unit LP* ₹	2 Pole Type	Unit LP* ₹
3VM11	25kA <sup>1)</sup>	16	3VM1196-3ED12-0AA0	4570.-	3VM1196-3ED22-0AA0	8190.-
		20	3VM1120-3ED12-0AA0	4570.-	3VM1120-3ED22-0AA0	8190.-
		25	3VM1125-3ED12-0AA0	4570.-	3VM1125-3ED22-0AA0	8190.-
		32	3VM1132-3ED12-0AA0	4570.-	3VM1132-3ED22-0AA0	8190.-
		40	3VM1140-3ED12-0AA0	4570.-	3VM1140-3ED22-0AA0	8190.-
		50	3VM1150-3ED12-0AA0	4570.-	3VM1150-3ED22-0AA0	8190.-
		63	3VM1163-3ED12-0AA0	4570.-	3VM1163-3ED22-0AA0	8190.-
		80	3VM1180-3ED12-0AA0	5025.-	3VM1180-3ED22-0AA0	8970.-
		100	3VM1110-3ED12-0AA0	5795.-	3VM1110-3ED22-0AA0	10515.-
		125	3VM1112-3ED12-0AA0	9365.-	3VM1112-3ED22-0AA0	17015.-
3VM11	36kA <sup>1)</sup>	160	3VM1116-3ED12-0AA0	10910.-	3VM1116-3ED22-0AA0	19645.-
		16	3VM1196-4ED12-0AA0	4945.-	3VM1196-4ED22-0AA0	8970.-
		20	3VM1120-4ED12-0AA0	4945.-	3VM1120-4ED22-0AA0	8970.-
		25	3VM1125-4ED12-0AA0	4945.-	3VM1125-4ED22-0AA0	8970.-
		32	3VM1132-4ED12-0AA0	4945.-	3VM1132-4ED22-0AA0	8970.-
		40	3VM1140-4ED12-0AA0	4945.-	3VM1140-4ED22-0AA0	8970.-
		50	3VM1150-4ED12-0AA0	4945.-	3VM1150-4ED22-0AA0	8970.-
		63	3VM1163-4ED12-0AA0	4945.-	3VM1163-4ED22-0AA0	8970.-
		80	3VM1180-4ED12-0AA0	5490.-	3VM1180-4ED22-0AA0	9905.-
		100	3VM1110-4ED12-0AA0	5910.-	3VM1110-4ED22-0AA0	11445.-
3VM11	36kA <sup>1)</sup>	125	3VM1112-4ED12-0AA0	10145.-	3VM1112-4ED22-0AA0	18245.-
		160	3VM1116-4ED12-0AA0	11830.-	3VM1116-4ED22-0AA0	21345.-

<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	6095.-
CBCT for EFR: 160 frame Suitable for 3VM10/11	3P	2105.-
	4P	2400.-
CBCT for EFR: 250 frame Suitable for 3VM12	3P	2540.-
	4P	2995.-
CBCT for EFR: 630 frame Suitable for 3VM13/14	3P	3745.-
	4P	4050.-

Earth leakage protection for SENTRON 3VM moulded case circuit breaker

Description	Type	Unit LP* ₹
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	5895.-
	230VAC	5955.-
CBCT for ELR	35 mm dia	2145.-
	70 mm dia	2450.-
	120 mm dia	4175.-
	210 mm dia	8035.-
	310 mm dia	11970.-

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

Std. Pkg. = 1 unit

\* LP - List Price

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

MLFB	Description	Unit LP*₹
<b>Auxiliary Switches and Alarm Switches (1 C/O)</b>		
3VM9988-0AA12	Auxiliary Switch AUX (1 C/O)	1965.-
3VM9988-0AB12	Trip Alarm Switch TAS (1 C/O)	1965.-
<b>Undervoltage releases</b>		
3VM9908-0BB11	UVR 24V DC	4385.-
3VM9908-0BB12	UVR 48V DC	4385.-
3VM9908-0BB23	UVR 110 V AC 50/60HZ	4385.-
3VM9908-0BB25	UVR 208-230 V AC 50/60 HZ	4385.-
3VM9908-0BB26	UVR 380-400 V AC 50/60 HZ	4385.-
<b>Shunt release (Left)</b>		
3VM9908-0BL30	STL 24V AC 50/60Hz / 12-30V DC	3555.-
3VM9908-0BL31	STL 48-60V AC 50/60Hz/ DC	3555.-
3VM9908-0BL32	STL 110-127 V AC 50/60 HZ / DC	3555.-
3VM9908-0BL33	STL 208-277 V AC 50/60 HZ / 220-250 V DC	3555.-
3VM9908-0BL20	STL 380-600 V AC 50/60 HZ	3555.-

External Accessories:

MLFB	Description	Unit LP*₹
<b>Rotary Handles <sup>1)</sup></b>		
3VM9117-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM10/ 11	2405.-
3VM9217-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM12	3040.-
3VM9417-0FK51 <sup>®</sup>	Door mounted Rotary Operator with 8UC drive, Standard, 3VM13/ 14	3430.-
3VM9117-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM10/ 11	2810.-
3VM9217-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM12	3690.-
3VM9417-0EK21	Direct mounted Rotary Operator (Grey), Standard, 3VM13/ 14	4070.-
<b>Spreaders (incl. Phase barriers)</b>		
3VM9153-0QC50	Spreader links - Broadened, 3pole, 3VM10/ 11	1265.-
3VM9154-0QC50	Spreader links - Broadened, 4pole, 3VM10/ 11	1615.-
3VM9253-0QC50	Spreader links - Broadened, 3pole, 3VM12	1575.-
3VM9254-0QC50	Spreader links - Broadened, 4pole, 3VM12	2095.-
3VM9483-0QC50	Spreader links - Broadened, 3pole, 3VM13/ 14	2115.-
3VM9484-0QC50	Spreader links - Broadened, 4pole, 3VM13/ 14	2740.-
<b>Extended terminals (incl. Phase barriers)</b>		
3VM9253-0QB50	Extended terminals, 3pole, 3VM12	1060.-
3VM9254-0QB50	Extended terminals, 4pole, 3VM12	1415.-
3VM9483-0QB50	Extended terminals, 3pole, 3VM13/ 14	1430.-
3VM9484-0QB50	Extended terminals, 4pole, 3VM13/ 14	1860.-
<b>Phase barriers</b>		
3VM9152-0WA00	Phase barriers (1set = 2 phase barriers), 3VM10/ 11	825.-
3VM9252-0WA00	Phase barriers (1set = 2 phase barriers), 3VM12	1150.-
3VM9482-0WA00	Phase barriers (1set = 2 phase barriers), 3VM13/ 14	1150.-
<b>Locking device for breaker with Toggle lever</b>		
3VM9188-0LB10	Locking device for: 3VM10/ 11/ 12	2190.-
3VM9388-0LB10	Locking device for: 3VM13/ 14	2875.-
<b>Interlocking (for MCCBs with 8UC handles)</b>		
8UC60701YQ.. #	Castell interlock kit for 3VM10/ 11/ 12/ 13/ 14	6280.-



AUX



TAS



UVR



STL

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

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

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

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

Std. Pkg. = 1 unit

\* LP - List Price



**SINOVA**

# 3VJ Moulded Case Circuit Breakers

**Simply Efficient**

- Rated current: 16A to 630A
- 1 pole, 2 pole, 3 pole & 4 pole versions
- Breaking capacity: 10kA to 55kA
- Thermal magnetic trip unit (FTFM, ATFM)
- Range of internal and external accessories

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

**SIEMENS**



# 3VJ Moulded Case Circuit Breaker

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

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	2 Pole Type	Unit MRP* ₹	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ10 (VJ1 125X)	10kA	16 <b>NEW</b>	3VJ1096-0DA22-0AA0	3045.-	3VJ1096-0DA32-0AA0	3775.-	3VJ1096-0EA42-0AA0	5415.-
		20	3VJ1002-0DA22-0AA0	3045.-	3VJ1002-0DA32-0AA0	3775.-	3VJ1002-0EA42-0AA0	5415.-
		25	3VJ1092-0DA22-0AA0	3045.-	3VJ1092-0DA32-0AA0	3775.-	3VJ1092-0EA42-0AA0	5415.-
		32	3VJ1003-0DA22-0AA0	3045.-	3VJ1003-0DA32-0AA0	3775.-	3VJ1003-0EA42-0AA0	5415.-
		40	3VJ1004-0DA22-0AA0	3045.-	3VJ1004-0DA32-0AA0	3775.-	3VJ1004-0EA42-0AA0	5415.-
		50	3VJ1005-0DA22-0AA0	3045.-	3VJ1005-0DA32-0AA0	3775.-	3VJ1005-0EA42-0AA0	5415.-
		63	3VJ1006-0DA22-0AA0	3045.-	3VJ1006-0DA32-0AA0	3775.-	3VJ1006-0EA42-0AA0	5415.-
		80	3VJ1008-0DA22-0AA0	3045.-	3VJ1008-0DA32-0AA0	3775.-	3VJ1008-0EA42-0AA0	5415.-
		100	3VJ1010-0DA22-0AA0	3045.-	3VJ1010-0DA32-0AA0	3775.-	3VJ1010-0EA42-0AA0	5415.-
		125	3VJ1012-0DA22-0AA0	4700.-	3VJ1012-0DA32-0AA0	5665.-	3VJ1012-0EA42-0AA0	8120.-
	18kA	16 <b>NEW</b>	3VJ1096-1DA22-0AA0	4205.-	3VJ1096-1DA32-0AA0	6070.-	3VJ1096-1EA42-0AA0	7790.-
		20	3VJ1002-1DA22-0AA0	4205.-	3VJ1002-1DA32-0AA0	6070.-	3VJ1002-1EA42-0AA0	7790.-
		25	3VJ1092-1DA22-0AA0	4205.-	3VJ1092-1DA32-0AA0	6070.-	3VJ1092-1EA42-0AA0	7790.-
		32	3VJ1003-1DA22-0AA0	4205.-	3VJ1003-1DA32-0AA0	6070.-	3VJ1003-1EA42-0AA0	7790.-
		40	3VJ1004-1DA22-0AA0	4205.-	3VJ1004-1DA32-0AA0	6070.-	3VJ1004-1EA42-0AA0	7790.-
		50	3VJ1005-1DA22-0AA0	4205.-	3VJ1005-1DA32-0AA0	6070.-	3VJ1005-1EA42-0AA0	7790.-
		63	3VJ1006-1DA22-0AA0	4205.-	3VJ1006-1DA32-0AA0	6070.-	3VJ1006-1EA42-0AA0	7790.-
		80	3VJ1008-1DA22-0AA0	4205.-	3VJ1008-1DA32-0AA0	6070.-	3VJ1008-1EA42-0AA0	7790.-
		100	3VJ1010-1DA22-0AA0	4205.-	3VJ1010-1DA32-0AA0	6070.-	3VJ1010-1EA42-0AA0	7790.-
		125	3VJ1012-1DA22-0AA0	4870.-	3VJ1012-1DA32-0AA0	6965.-	3VJ1012-1EA42-0AA0	9060.-
	25kA	16 <b>NEW</b>	3VJ1096-3DA22-0AA0	5050.-	3VJ1096-3DA32-0AA0	6625.-	3VJ1096-3EA42-0AA0	8785.-
		20	3VJ1002-3DA22-0AA0	5050.-	3VJ1002-3DA32-0AA0	6625.-	3VJ1002-3EA42-0AA0	8785.-
		25	3VJ1092-3DA22-0AA0	5050.-	3VJ1092-3DA32-0AA0	6625.-	3VJ1092-3EA42-0AA0	8785.-
		32	3VJ1003-3DA22-0AA0	5050.-	3VJ1003-3DA32-0AA0	6625.-	3VJ1003-3EA42-0AA0	8785.-
		40	3VJ1004-3DA22-0AA0	5050.-	3VJ1004-3DA32-0AA0	6625.-	3VJ1004-3EA42-0AA0	8785.-
		50	3VJ1005-3DA22-0AA0	5050.-	3VJ1005-3DA32-0AA0	6625.-	3VJ1005-3EA42-0AA0	8785.-
		63	3VJ1006-3DA22-0AA0	5050.-	3VJ1006-3DA32-0AA0	6625.-	3VJ1006-3EA42-0AA0	8785.-
		80	3VJ1008-3DA22-0AA0	5050.-	3VJ1008-3DA32-0AA0	6625.-	3VJ1008-3EA42-0AA0	8785.-
		100	3VJ1010-3DA22-0AA0	5050.-	3VJ1010-3DA32-0AA0	6625.-	3VJ1010-3EA42-0AA0	8785.-
		125	3VJ1012-3DA22-0AA0	5050.-	3VJ1012-3DA32-0AA0	7565.-	3VJ1012-3EA42-0AA0	9655.-

Notes:

Phase barriers are included in the standard MCCB packing

^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



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

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	2 Pole Type	Unit MRP* ₹	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹
3VJ12 (VJ1 250)	25kA	160	3VJ1216-3DA22-0AA0	10255.-	3VJ1216-3DA32-0AA0	11890.-	3VJ1216-3EA42-0AA0	15645.-
		200	3VJ1220-3DA22-0AA0	10370.-	3VJ1220-3DA32-0AA0	12075.-	3VJ1220-3EA42-0AA0	17175.-
		250	3VJ1225-3DA22-0AA0	10480.-	3VJ1225-3DA32-0AA0	13590.-	3VJ1225-3EA42-0AA0	17895.-
3VJ13 (VJ1 400)	25kA	320	-	-	3VJ1332-3DA32-0AA0	26920.-	3VJ1332-3EA42-0AA0	34665.-
		400	-	-	3VJ1340-3DA32-0AA0	26920.-	3VJ1340-3EA42-0AA0	34665.-
3VJ11 (VJ1 125)	36kA	16 <b>NEW</b>	3VJ1196-5DA22-0AA0	7770.-	3VJ1196-5DA32-0AA0	9245.-	3VJ1196-5EA42-0AA0	12215.-
		20 <b>NEW</b>	3VJ1102-5DA22-0AA0	7770.-	3VJ1102-5DA32-0AA0	9245.-	3VJ1102-5EA42-0AA0	12215.-
		25	3VJ1192-5DA22-0AA0	7770.-	3VJ1192-5DA32-0AA0	9245.-	3VJ1192-5EA42-0AA0	12215.-
		32	3VJ1103-5DA22-0AA0	7770.-	3VJ1103-5DA32-0AA0	9245.-	3VJ1103-5EA42-0AA0	12215.-
		40	3VJ1104-5DA22-0AA0	7770.-	3VJ1104-5DA32-0AA0	9245.-	3VJ1104-5EA42-0AA0	12215.-
		50	3VJ1105-5DA22-0AA0	7770.-	3VJ1105-5DA32-0AA0	9245.-	3VJ1105-5EA42-0AA0	12215.-
		63	3VJ1106-5DA22-0AA0	7770.-	3VJ1106-5DA32-0AA0	9245.-	3VJ1106-5EA42-0AA0	12215.-
		80	3VJ1108-5DA22-0AA0	7770.-	3VJ1108-5DA32-0AA0	9520.-	3VJ1108-5EA42-0AA0	12590.-
		100	3VJ1110-5DA22-0AA0	7770.-	3VJ1110-5DA32-0AA0	9520.-	3VJ1110-5EA42-0AA0	12590.-
3VJ12 (VJ1 250)	36kA	125	3VJ1112-5DA22-0AA0	7770.-	3VJ1112-5DA32-0AA0	10470.-	3VJ1112-5EA42-0AA0	13685.-
		160	3VJ1216-5DA22-0AA0	10820.-	3VJ1216-5DA32-0AA0	13315.-	3VJ1216-5EA42-0AA0	16195.-
		200	3VJ1220-5DA22-0AA0	11395.-	3VJ1220-5DA32-0AA0	16420.-	3VJ1220-5EA42-0AA0	21190.-
3VJ13 (VJ1 400)	36kA	250	3VJ1225-5DA22-0AA0	12860.-	3VJ1225-5DA32-0AA0	18870.-	3VJ1225-5EA42-0AA0	24285.-
		320	-	-	3VJ1332-5DA32-0AA0	27590.-	3VJ1332-5EA42-0AA0	35345.-
3VJ14 (VJ1 630)	36kA	400	-	-	3VJ1340-5DA32-0AA0	27590.-	3VJ1340-5EA42-0AA0	35345.-
		500	-	-	3VJ1450-5DA32-0AA0	41390.-	3VJ1450-5EA42-0AA0	53015.-
3VJ11 (VJ1 125)	55kA	630	-	-	3VJ1463-5DA32-0AA0	41390.-	3VJ1463-5EA42-0AA0	53015.-
		16 <b>NEW</b>	3VJ1196-7DA22-0AA0	8180.-	3VJ1196-7DA32-0AA0	11825.-	3VJ1196-7EA42-0AA0	15600.-
3VJ12 (VJ1 250)	55kA	20 <b>NEW</b>	3VJ1102-7DA22-0AA0	8180.-	3VJ1102-7DA32-0AA0	11825.-	3VJ1102-7EA42-0AA0	15600.-
		25	3VJ1192-7DA22-0AA0	8180.-	3VJ1192-7DA32-0AA0	11825.-	3VJ1192-7EA42-0AA0	15600.-
		32	3VJ1103-7DA22-0AA0	8180.-	3VJ1103-7DA32-0AA0	11825.-	3VJ1103-7EA42-0AA0	15600.-
3VJ11 (VJ1 125)	55kA	40	3VJ1104-7DA22-0AA0	8180.-	3VJ1104-7DA32-0AA0	11825.-	3VJ1104-7EA42-0AA0	15600.-
		50	3VJ1105-7DA22-0AA0	8180.-	3VJ1105-7DA32-0AA0	11825.-	3VJ1105-7EA42-0AA0	15600.-
		63	3VJ1106-7DA22-0AA0	8180.-	3VJ1106-7DA32-0AA0	11825.-	3VJ1106-7EA42-0AA0	15600.-
		80	3VJ1108-7DA22-0AA0	8180.-	3VJ1108-7DA32-0AA0	11825.-	3VJ1108-7EA42-0AA0	15600.-
		100	3VJ1110-7DA22-0AA0	8180.-	3VJ1110-7DA32-0AA0	11825.-	3VJ1110-7EA42-0AA0	15600.-
		125	3VJ1112-7DA22-0AA0	8180.-	3VJ1112-7DA32-0AA0	13015.-	3VJ1112-7EA42-0AA0	17160.-
		160	3VJ1216-7DA22-0AA0	11730.-	3VJ1216-7DA32-0AA0	16470.-	3VJ1216-7EA42-0AA0	21755.-
		200	3VJ1220-7DA22-0AA0	11960.-	3VJ1220-7DA32-0AA0	18940.-	3VJ1220-7EA42-0AA0	25010.-
		250	3VJ1225-7DA22-0AA0	13100.-	3VJ1225-7DA32-0AA0	21780.-	3VJ1225-7EA42-0AA0	28765.-
3VJ13 (VJ1 400)	55kA	320	-	-	3VJ1332-7DA32-0AA0	28265.-	3VJ1332-7EA42-0AA0	36355.-
		400	-	-	3VJ1340-7DA32-0AA0	28265.-	3VJ1340-7EA42-0AA0	36355.-
3VJ14 (VJ1 630)	55kA	500	-	-	3VJ1450-7DA32-0AA0	42400.-	3VJ1450-7EA42-0AA0	54525.-
		630	-	-	3VJ1463-7DA32-0AA0	42400.-	3VJ1463-7EA42-0AA0	54525.-

## Notes:

Phase barriers are included in the standard MCCB packing

^2P in 3P Frame Size

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



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

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹	
3VJ10 (VJ1 125X)	10kA	16 <b>NEW</b>	3VJ1096-0DB32-0AA0	4815.-	3VJ1096-0EB42-0AA0	6505.-	
		20	3VJ1002-0DB32-0AA0	4815.-	3VJ1002-0EB42-0AA0	6505.-	
		25	3VJ1092-0DB32-0AA0	4815.-	3VJ1092-0EB42-0AA0	6505.-	
		32	3VJ1003-0DB32-0AA0	4815.-	3VJ1003-0EB42-0AA0	6505.-	
		40	3VJ1004-0DB32-0AA0	4815.-	3VJ1004-0EB42-0AA0	6505.-	
		50	3VJ1005-0DB32-0AA0	4815.-	3VJ1005-0EB42-0AA0	6505.-	
		63	3VJ1006-0DB32-0AA0	4815.-	3VJ1006-0EB42-0AA0	6505.-	
		80	3VJ1008-0DB32-0AA0	4815.-	3VJ1008-0EB42-0AA0	6505.-	
		100	3VJ1010-0DB32-0AA0	4815.-	3VJ1010-0EB42-0AA0	6505.-	
	18kA	16 <b>NEW</b>	3VJ1096-1DB32-0AA0	7275.-	3VJ1096-1EB42-0AA0	9345.-	
		20	3VJ1002-1DB32-0AA0	7275.-	3VJ1002-1EB42-0AA0	9345.-	
		25	3VJ1092-1DB32-0AA0	7275.-	3VJ1092-1EB42-0AA0	9345.-	
		32	3VJ1003-1DB32-0AA0	7275.-	3VJ1003-1EB42-0AA0	9345.-	
		40	3VJ1004-1DB32-0AA0	7275.-	3VJ1004-1EB42-0AA0	9345.-	
		50	3VJ1005-1DB32-0AA0	7275.-	3VJ1005-1EB42-0AA0	9345.-	
		63	3VJ1006-1DB32-0AA0	7275.-	3VJ1006-1EB42-0AA0	9345.-	
		80	3VJ1008-1DB32-0AA0	7275.-	3VJ1008-1EB42-0AA0	9345.-	
		100	3VJ1010-1DB32-0AA0	7275.-	3VJ1010-1EB42-0AA0	9345.-	
	25kA	16 <b>NEW</b>	3VJ1096-3DB32-0AA0	8360.-	3VJ1096-3EB42-0AA0	11085.-	
		20	3VJ1002-3DB32-0AA0	8360.-	3VJ1002-3EB42-0AA0	11085.-	
		25	3VJ1092-3DB32-0AA0	8360.-	3VJ1092-3EB42-0AA0	11085.-	
		32	3VJ1003-3DB32-0AA0	8360.-	3VJ1003-3EB42-0AA0	11085.-	
		40	3VJ1004-3DB32-0AA0	8360.-	3VJ1004-3EB42-0AA0	11085.-	
		50	3VJ1005-3DB32-0AA0	8360.-	3VJ1005-3EB42-0AA0	11085.-	
		63	3VJ1006-3DB32-0AA0	8360.-	3VJ1006-3EB42-0AA0	11085.-	
		80	3VJ1008-3DB32-0AA0	8360.-	3VJ1008-3EB42-0AA0	11085.-	
		100	3VJ1010-3DB32-0AA0	8360.-	3VJ1010-3EB42-0AA0	11085.-	
			125	3VJ1012-3DB32-0AA0	9540.-	3VJ1012-3EB42-0AA0	12190.-

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



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

Frame Size	Breaking Capacity @415V AC, 50/60Hz	Rated Current In (A)	3 Pole Type	Unit MRP* ₹	4 Pole Type	Unit MRP* ₹	
3VJ12 (VJ1 250)	25kA	160	3VJ1216-3DB32-0AA0	13410.-	3VJ1216-3EB42-0AA0	16320.-	
		200	3VJ1220-3DB32-0AA0	14475.-	3VJ1220-3EB42-0AA0	18220.-	
		250	3VJ1225-3DB32-0AA0	16295.-	3VJ1225-3EB42-0AA0	21455.-	
3VJ13 (VJ1 400)		320	3VJ1332-3DB32-0AA0	30490.-	3VJ1332-3EB42-0AA0	39265.-	
		400	3VJ1340-3DB32-0AA0	30490.-	3VJ1340-3EB42-0AA0	39265.-	
		3VJ11 (VJ1 125)	16 <b>NEW</b>	3VJ1196-5DB32-0AA0	11085.-	3VJ1196-5EB42-0AA0	14645.-
20 <b>NEW</b>	3VJ1102-5DB32-0AA0		11085.-	3VJ1102-5EB42-0AA0	14645.-		
25	3VJ1192-5DB32-0AA0		11085.-	3VJ1192-5EB42-0AA0	14645.-		
32	3VJ1103-5DB32-0AA0		11085.-	3VJ1103-5EB42-0AA0	14645.-		
40	3VJ1104-5DB32-0AA0		11085.-	3VJ1104-5EB42-0AA0	14645.-		
50	3VJ1105-5DB32-0AA0		11085.-	3VJ1105-5EB42-0AA0	14645.-		
63	3VJ1106-5DB32-0AA0		11085.-	3VJ1106-5EB42-0AA0	14645.-		
80	3VJ1108-5DB32-0AA0		11085.-	3VJ1108-5EB42-0AA0	14645.-		
100	3VJ1110-5DB32-0AA0		11085.-	3VJ1110-5EB42-0AA0	14645.-		
3VJ12 (VJ1 250)	125		3VJ1112-5DB32-0AA0	12555.-	3VJ1112-5EB42-0AA0	15920.-	
	160		3VJ1216-5DB32-0AA0	15210.-	3VJ1216-5EB42-0AA0	18490.-	
	200		3VJ1220-5DB32-0AA0	19685.-	3VJ1220-5EB42-0AA0	25410.-	
3VJ13 (VJ1 400)	250	3VJ1225-5DB32-0AA0	22635.-	3VJ1225-5EB42-0AA0	29125.-		
	320	3VJ1332-5DB32-0AA0	31250.-	3VJ1332-5EB42-0AA0	40030.-		
3VJ14 (VJ1 630)	400	3VJ1340-5DB32-0AA0	31250.-	3VJ1340-5EB42-0AA0	40030.-		
	500	3VJ1450-5DB32-0AA0	46880.-	3VJ1450-5EB42-0AA0	60045.-		
	630	3VJ1463-5DB32-0AA0	46880.-	3VJ1463-5EB42-0AA0	60045.-		
3VJ11 (VJ1 125)	55kA	16 <b>NEW</b>	3VJ1196-7DB32-0AA0	13395.-	3VJ1196-7EB42-0AA0	17665.-	
		20 <b>NEW</b>	3VJ1102-7DB32-0AA0	13395.-	3VJ1102-7EB42-0AA0	17665.-	
		25	3VJ1192-7DB32-0AA0	13395.-	3VJ1192-7EB42-0AA0	17665.-	
		32	3VJ1103-7DB32-0AA0	13395.-	3VJ1103-7EB42-0AA0	17665.-	
		40	3VJ1104-7DB32-0AA0	13395.-	3VJ1104-7EB42-0AA0	17665.-	
		50	3VJ1105-7DB32-0AA0	13395.-	3VJ1105-7EB42-0AA0	17665.-	
		63	3VJ1106-7DB32-0AA0	13395.-	3VJ1106-7EB42-0AA0	17665.-	
		80	3VJ1108-7DB32-0AA0	13395.-	3VJ1108-7EB42-0AA0	17665.-	
		100	3VJ1110-7DB32-0AA0	13395.-	3VJ1110-7EB42-0AA0	17665.-	
		125	3VJ1112-7DB32-0AA0	14735.-	3VJ1112-7EB42-0AA0	19440.-	
		3VJ12 (VJ1 250)	160	3VJ1216-7DB32-0AA0	17635.-	3VJ1216-7EB42-0AA0	23290.-
			200	3VJ1220-7DB32-0AA0	20280.-	3VJ1220-7EB42-0AA0	26775.-
250	3VJ1225-7DB32-0AA0		23310.-	3VJ1225-7EB42-0AA0	30795.-		
3VJ13 (VJ1 400)	320	3VJ1332-7DB32-0AA0	32020.-	3VJ1332-7EB42-0AA0	41175.-		
	400	3VJ1340-7DB32-0AA0	32020.-	3VJ1340-7EB42-0AA0	41175.-		
3VJ14 (VJ1 630)	500	3VJ1450-7DB32-0AA0	48025.-	3VJ1450-7EB42-0AA0	61760.-		
	630	3VJ1463-7DB32-0AA0	48025.-	3VJ1463-7EB42-0AA0	61760.-		

Notes: Phase barriers are included in the standard MCCB packing

## Earth Fault Protection for 3VJ MCCBs

Description	Type	Unit LP* ₹	
Earth fault monitoring relay • Auxiliary voltage: 85-270V AC/DC • Change over contact: 2C/O • Width: 35mm module	7UG0861-1BU20	6095.-	
CBCT for EFR: Suitable for 3VJ10 up to 125A	3P	7UG09910	2105.-
	4P	7UG09911	2400.-
CBCT for EFR: Suitable for 3VJ11 up to 125A	3P	7UG09911	2400.-
	4P	7UG09911	2400.-
CBCT for EFR: Suitable for 3VJ12 up to 250A	3P	7UG09912	2540.-
	4P	7UG09913	2995.-
CBCT for EFR: Suitable for 3VJ13/14 upto 630A	3P	7UG09915	4050.-

## Earth Leakage Protection for 3VJ MCCBs

Description	Type	Unit LP* ₹	
Earth leakage relay 1Ph-2W, 3Ph-3W, 3Ph-4W	110VAC	7UG0841-1CB20	5895.-
	230VAC	7UG0842-1CD20	5955.-
CBCT for ELR	35 mm dia	7UG0996	2145.-
	70 mm dia	7UG0997	2450.-
	120 mm dia	7UG0999	4175.-
	210 mm dia	7UG0994	8035.-
	310 mm dia	7UG0995	11970.-

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

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price

LP = List Price

## 3VJ Internal accessories

Frame Size	Accessory compartment/ Coil voltage	3VJ10 (VJ1 125X)	Unit MRP* ₹	3VJ11 (VJ1 125)	Unit MRP* ₹	3VJ12 (VJ1 250)	Unit MRP* ₹	3VJ13/14 (VJ1 400/630)	Unit MRP* ₹
Auxiliary Switches (AUX)	Left	3VJ9018-0AN11	1660.-	3VJ9218-0AN11	1715.-	3VJ9218-0AN11	1715.-	3VJ9417-0AN11	1775.-
	Right	-	-	3VJ9218-0AN21	1715.-	3VJ9218-0AN21	1715.-	3VJ9417-0AN21	1775.-
Alarm Switches (AL)	Left	3VJ9018-0AA11	1660.-	3VJ9118-0AA11	1660.-	3VJ9218-0AA11	1715.-	3VJ9417-0AA11	1775.-
	Right	-	-	3VJ9118-0AA21	1660.-	3VJ9218-0AA21	1715.-	3VJ9417-0AA21	1775.-
Auxiliary + Alarm Switches (AUX+AL)	Left	3VJ9018-0AD11	2695.-	3VJ9118-0AD11	2695.-	3VJ9218-0AD11	2825.-	3VJ9417-0AD11	3065.-
	Right	-	-	3VJ9118-0AD21	2695.-	3VJ9218-0AD21	2825.-	3VJ9417-0AD21	3065.-
Shunt Trip (Right) (ST)	24V DC	-	-	3VJ9218-0ST11	3430.-	3VJ9218-0ST11	3430.-	-	-
	24V AC/DC	-	-	-	-	-	-	3VJ9417-0ST21	3675.-
	48V DC	-	-	3VJ9218-0ST12	3430.-	3VJ9218-0ST12	3430.-	-	-
	48V AC/DC	-	-	-	-	-	-	3VJ9417-0ST22	3675.-
	110V DC	3VJ9018-0ST15	2495.-	3VJ9218-0ST15	3430.-	3VJ9218-0ST15	3430.-	-	-
	110V AC/DC	-	-	-	-	-	-	3VJ9417-0ST25	3675.-
	110V AC	3VJ9018-0ST35	2495.-	3VJ9218-0ST35	3555.-	3VJ9218-0ST35	3555.-	-	-
	220V AC	3VJ9018-0ST36	2705.-	3VJ9218-0ST36	3675.-	3VJ9218-0ST36	3675.-	3VJ9417-0ST36	4045.-
415V AC	3VJ9018-0ST37	2705.-	3VJ9218-0ST37	3675.-	3VJ9218-0ST37	3675.-	3VJ9417-0ST37	4045.-	
Undervoltage Release (Left) (UVR)	24V DC	-	-	3VJ9218-0UV11	4905.-	3VJ9218-0UV11	4905.-	-	-
	48V DC	-	-	3VJ9218-0UV12	4905.-	3VJ9218-0UV12	4905.-	-	-
	220V AC	-	-	3VJ9218-0UV36	5150.-	3VJ9218-0UV36	5150.-	3VJ9417-0UV36	12265.-
	415V AC	-	-	3VJ9218-0UV37	5515.-	3VJ9218-0UV37	5515.-	3VJ9417-0UV37	12265.-

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

## 3VJ External accessories

Frame Size	No. of poles	3VJ10 (VJ1 125X)	Unit MRP* ₹	3VJ11 (VJ1 125)	Unit MRP* ₹	3VJ12 (VJ1 250)	Unit MRP* ₹	3VJ13 (VJ1 400)	Unit MRP* ₹	3VJ14 (VJ1 630)	Unit MRP* ₹
Extended Door Mounted Rotary Operator (including 8UC handle)@	-	3VJ9018-0HD11	2485.-	3VJ9118-0HD11	2675.-	3VJ9218-0HD11	3130.-	3VJ9417-0HD11	3950.-	3VJ9417-0HD11	3950.-
Spreader Links^	2P	3VJ9012-0ED00	220.-	3VJ9112-0ED00	245.-	3VJ9212-0ED00	740.-	-	-	-	-
	3P	3VJ9013-0ED00	370.-	3VJ9113-0ED00	390.-	3VJ9213-0ED00	1195.-	3VJ9313-0ED00	2085.-	3VJ9413-0ED00	2500.-
	4P	3VJ9014-0ED00	485.-	3VJ9114-0ED00	510.-	3VJ9214-0ED00	1555.-	3VJ9314-0ED00	2945.-	3VJ9414-0ED00	3530.-
Phase Barriers#		3VJ9018-0CA00	170.-	3VJ9218-0CA00	270.-	3VJ9218-0CA00	270.-	3VJ9417-0CA00	295.-	3VJ9417-0CA00	295.-
Front Barriers\$	2P/3P	3VJ9016-0CJ30	395.-	3VJ9116-0CJ30	470.-	3VJ9216-0CJ30	675.-	3VJ9413-0CJ30	840.-	3VJ9413-0CJ30	840.-
	4P	3VJ9014-0CJ40	555.-	3VJ9114-0CJ40	595.-	3VJ9214-0CJ40	790.-	3VJ9414-0CJ40	1035.-	3VJ9414-0CJ40	1035.-
Toggle handle extension	-	-	-	-	-	-	-	3VJ9417-0DH10	670.-	3VJ9417-0DH10	670.-
Interlocking (for MCCBs with 8UC handles) - Castell interlock kit	-	8UC60701YQ..	6280.-	8UC60701YQ..	6280.-	8UC60701YQ..	6280.-	8UC60702YQ..	6450.-	8UC60702YQ..	6450.-
SS Enclosures	2P/3P	3VJ9016-0DE11	2770.-	3VJ9116-0DE11	2770.-	3VJ9216-0DE12	6080.-	-	-	-	-
	4P	3VJ9014-0DE11	2770.-	3VJ9114-0DE11	2770.-	3VJ9214-0DE12	6080.-	-	-	-	-
Padlock on MCCB Dolly/Knob <b>NEW</b>	-	-	-	3VJ9118-0LM10	1110.-	3VJ9218-0LM10	1110.-	3VJ9317-0LM10	2695.-	3VJ9317-0LM10	2695.-
Mechanical Interlocking Devices (Front sliding bar type) <b>NEW</b>	3P	-	-	3VJ9116-0VM10	3035.-	3VJ9216-0VM10	5920.-	3VJ9313-0VM10	11545.-	3VJ9313-0VM10	11545.-
	4P	-	-	3VJ9114-0VM10	3165.-	3VJ9214-0VM10	6990.-	3VJ9314-0VM10	15435.-	3VJ9314-0VM10	15435.-

Notes:

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

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

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

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

Toggle handle extension is included in the standard packing of 3VJ13 &amp; 3VJ14 MCCBs.

2P/3P SS enclosures provide inbuilt neutral link for TPN system

Padlocking devices can be used for locking MCCB in Off position

Mechanical interlocking devices can not be used along with the rotary operators

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



SENTRON

# Transfer control devices

## 3KC ATC6300 & 6500

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

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

**SIEMENS**

# SETRON Auto transfer controllers

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



	3KC ATC 6300	3KC ATC 6500
Display	Yes, LCD	Yes, LCD
Network	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>	100-480V AC L-L	100-600V AC L-L
Application type	Utility – Utility Utility - DG DG - DG	Utility – Utility Utility - DG DG - DG
Number of controllable breakers	2	3
Automatic load management (load shedding)	No	Yes
Parameterization	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	Yes, DI/DOs   Communication Modules	Yes, DI/DOs   Communication Modules
Communication Option	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 6300	3KC9000-8TL40	126290.-	1
3KC ATC 6500	3KC9000-8TL50	POR	1
<b>Accessories   Expandable DI /DO Modules (For both ATC 6300 &amp; 6500)</b>			
ATC6 expansion module 4DI	3KC9000-8TL60	POR	1
ATC6 expansion module 4DO, SSR	3KC9000-8TL61	POR	1
ATC6 expansion module 2DI/2DO, SSR	3KC9000-8TL62	POR	1
ATC6 expansion module 2DO, relay	3KC9000-8TL63	POR	1
ATC6 expansion module 2DI/2DO, relay	3KC9000-8TL64	POR	1
<b>Expansion modules with communication interfaces (For both ATC 6300 &amp; 6500)</b>			
ATC6 RS 485 expansion module	3KC9000-8TL74	POR	1
ATC6 Ethernet expansion module	3KC9000-8TL75	POR	1
<b>USB Front interface (For both ATC 6300 &amp; 6500)</b>			
ATC6 USB front interface	3KC9000-8TL73	POR	1
<b>IP 65 Protective Gasket</b>			
For ATC 6300 144 x 144 mm	3KC9000-8TL67	POR	1
For ATC 6500 171 x 131 mm	3KC9000-8TL68	POR	1

POR: Price On Request

\* LP - List Price

Auto Transfer Controllers

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

Designed and tested with





**SETRON**

# Fuse Switch Disconnectors - **3NP1**

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

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

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

**SIEMENS**



# SENTRON 3NP1 Fuse Switch Disconnectors up to 630A

## Reliable safety of personnel and systems

**Overview:**

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

**Application:**

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

**Benefits:**

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

### 3NP1 with Floor mounting

**3NP1 without fuse monitoring**

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA20	4420.-
				3	3NP1123-1CA20	8035.-
				4	3NP1124-1CA20	14025.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA10	4655.-
				3	3NP1133-1CA10	8400.-
				4	3NP1134-1CA10	14615.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA10	13555.-
				3	3NP1143-1DA10	24580.-
				4	3NP1144-1DA10	40300.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA10	18645.-
				3	3NP1153-1DA10	33685.-
				4	3NP1154-1DA10	54515.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA10	24815.-
				3	3NP1163-1DA10	45135.-
				4	3NP1164-1DA10	72330.-



1-pole



3-pole



2-pole



4-pole

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

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	1	3NP1121-1CA24	15485.-
				3	3NP1123-1CA24	23970.-
160 <sup>2)</sup>	00	000,00	Flat	1	3NP1131-1CA14	14790.-
				3	3NP1133-1CA14	24190.-
250 <sup>2)</sup>	1	00,1	Flat	1	3NP1141-1DA14	24610.-
				3	3NP1143-1DA14	40300.-
400 <sup>2)</sup>	2	1,2	Flat	1	3NP1151-1DA14	29910.-
				3	3NP1153-1DA14	49845.-
630 <sup>2)</sup>	3	2,3	Flat	1	3NP1161-1DA14	36065.-
				3	3NP1163-1DA14	60880.-



1-pole with EFM



3-pole with EFM

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

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

- 4) 2-pole 3NP1 is a combination of 2 nos. 1-pole 3NP1 with assembly kit accessories. Please refer page 43 for assembly kit selection.

### Configurator for 3NP1

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



Load Break Switches

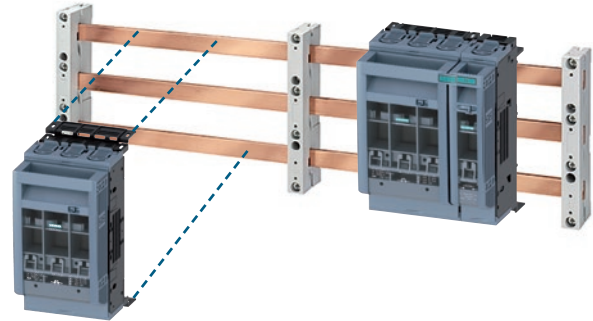
## 3NP1 mounting on 8US busbar

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

3NP1 without fuse monitoring

Rated current (A)	3NP1 size	DIN fuse size	Terminals type	Poles <sup>4)</sup>	Type	Unit LP* ₹
100 <sup>1)</sup>	000	000	Box	3	3NP1123-1BC20	11890.-
				4	3NP1124-1BC20	19805.-
160 <sup>2)</sup>	00	00	Flat	3	3NP1133-1BC10	12760.-
				4	3NP1134-1BC10	21345.-
250 <sup>2)</sup>	1	1	Flat	3	3NP1143-1BC10	40690.-
				4	3NP1144-1BC10	63420.-
400 <sup>2)</sup>	2	2	Flat	3	3NP1153-1BC10	52585.-
				4	3NP1154-1BC10	82510.-
630 <sup>2)</sup>	3	3	Flat	3	3NP1163-1BC10	66745.-
				4	3NP1164-1BC10	105875.-

8US busbar system



## Accessories for 3NP1

### Auxiliary contact (1CO type)



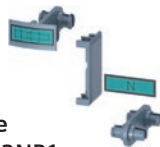
3NP1 Size	Type	Unit LP* ₹
000	3NP1920-1FA00	1850.-
00	3NP1930-1FA00	1850.-
1,2,3	3NP1940-1FA00	2015.-

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



3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1BD00	2330.-
		3	3NP1923-1BD00	5210.-

### 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	POR
00	3NP19311EC00	
1,2,3	3NP19411EC00	

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



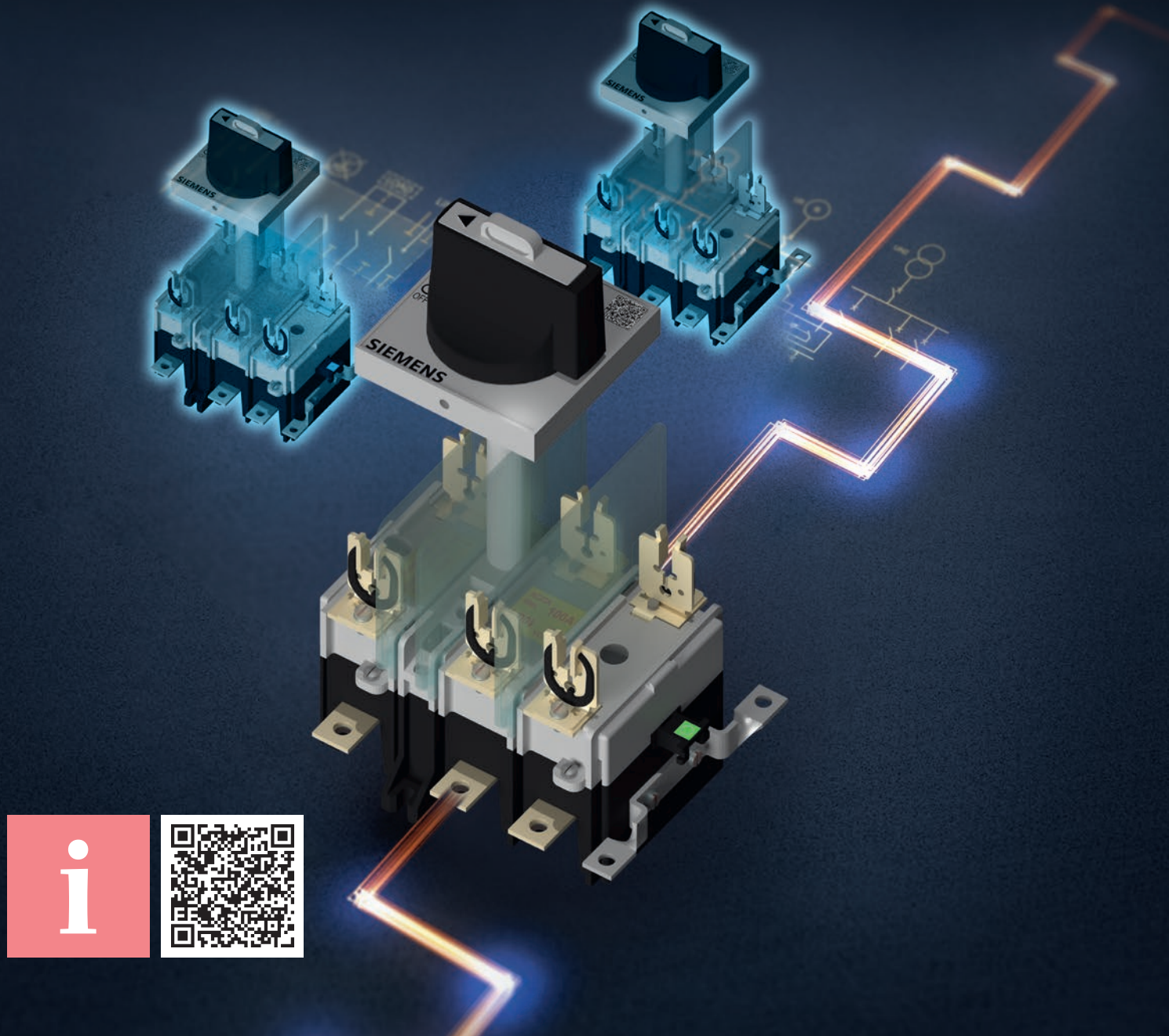
3NP1 Size	Terminals type	Poles	Type	Unit LP* ₹
000	Box	1	3NP1921-1EE10	POR
00			3NP1931-1EE10	

- 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.

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price



**SUPERSWITCH**

# Switch Disconnect Fuse - **3KL8**

**Safe. Reliable. Efficient.**

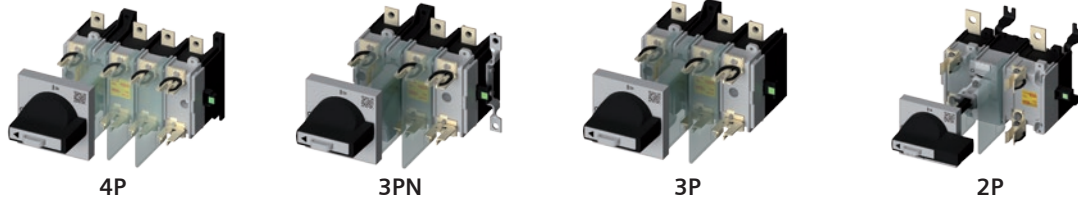
- Compliant with IS/ IEC 60947-3
- 2-pole to 4-pole versions up to 800A at 690V AC
- COMPACT 2-pole and TRUE 4-pole versions
- DIN/ BS/ Cylindrical fuse type versions
- With Enclosure option
- AC-23A for the complete range
- Type 2 co-ordination chart for DOL and Star Delta feeders

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

**SIEMENS**

# Superswitch 3KL8

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



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

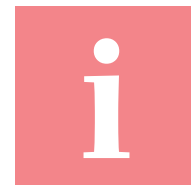
Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-4TA00	3540.-	3KL8111-4TJ00	3600.-	3KL8111-4TC00	3675.-	1
32A	3KL8121-4TA00	3660.-	3KL8121-4TJ00	3945.-	3KL8121-4TC00	3970.-	1
63A	3KL8151-4TA00	4930.-	3KL8151-4TJ00	5000.-	3KL8151-4TC00	5205.-	1
100A	3KL8171-4TA00	7400.-	-	-	-	-	1
100A	3KL8211-4TA00	10625.-	3KL8211-4TJ00	11590.-	-	-	1
125A	3KL8221-4TA00	13025.-	3KL8221-4TJ00	13800.-	-	-	1
160A	3KL8231-4TA00	14460.-	3KL8231-4TJ00	16770.-	-	-	1
200A	3KL8311-4UA00	20745.-	3KL8311-4UJ00	21780.-	-	-	1
250A	3KL8321-4UA00	24175.-	3KL8321-4UJ00	25810.-	-	-	1
315A	3KL8331-4UA00	29095.-	3KL8331-4UJ00	31850.-	-	-	1
400A	3KL8341-4UA00	32015.-	3KL8341-4UJ00	36795.-	-	-	1
500A	3KL8411-4UA00	51995.-	3KL8411-4UJ00	59305.-	-	-	1
630A	3KL8421-4UA00	53905.-	3KL8421-4UJ00	61455.-	-	-	1
800A <sup>§</sup>	3KL8431-4UA00	63715.-	3KL8431-4UJ00	66585.-	-	-	1

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

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-5TA00	3145.-	3KL8111-5TJ00	3155.-	3KL8111-5TC00	3165.-	1
32A	3KL8121-5TA00	3195.-	3KL8121-5TJ00	3210.-	3KL8121-5TC00	3240.-	1
63A	3KL8151-5TA00	4290.-	3KL8151-5TJ00	4375.-	3KL8151-5TC00	4415.-	1
100A	3KL8171-5TA00	6135.-	-	-	-	-	1
100A	3KL8211-5TA00	8545.-	3KL8211-5TJ00	8625.-	-	-	1
125A	3KL8221-5TA00	11000.-	3KL8221-5TJ00	11050.-	-	-	1
160A	3KL8231-5TA00	11775.-	3KL8231-5TJ00	11830.-	-	-	1
200A	3KL8311-5UA00	16160.-	3KL8311-5UJ00	16645.-	-	-	1
250A	3KL8321-5UA00	18355.-	3KL8321-5UJ00	18855.-	-	-	1
315A	3KL8331-5UA00	21855.-	3KL8331-5UJ00	22220.-	-	-	1
400A	3KL8341-5UA00	26340.-	3KL8341-5UJ00	26730.-	-	-	1
500A	3KL8411-5UA00	42365.-	3KL8411-5UJ00	43340.-	-	-	1
630A	3KL8421-5UA00	44620.-	3KL8421-5UJ00	46935.-	-	-	1
800A <sup>§</sup>	3KL8431-5UA00	47580.-	3KL8431-5UJ00	50860.-	-	-	1

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

Rated current I <sub>e</sub> @ 690V 50Hz	SDF suitable for DIN type HRC Fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-1TA00	3050.-	1
32A	3KL8121-1TA00	3110.-	1
63A	3KL8151-1TA00	4215.-	1
100A	3KL8211-1TA00	8395.-	1
125A	3KL8221-1TA00	10675.-	1
160A	3KL8231-1TA00	11540.-	1
200A	3KL8311-1UA00	15655.-	1
250A	3KL8321-1UA00	18255.-	1
315A	3KL8331-1UA00	21530.-	1
400A	3KL8341-1UA00	25920.-	1
500A	3KL8411-1UA00	41715.-	1
630A	3KL8421-1UA00	44340.-	1
800A <sup>§</sup>	3KL8431-1UA00	47285.-	1



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

Notes:

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

3KL8: Unit MRPs are without fuses

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

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

Refer the OM for changes in dimension

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

# Superswitch 3KL8

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

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A <sup>®</sup>	3KL8111-2TA00	2845.-	-	-	3KL8111-2TC00	2895.-	1
32A <sup>®</sup>	3KL8121-2TA00	2895.-	-	-	3KL8121-2TC00	3025.-	1
63A <sup>®</sup>	3KL8151-2TA00	3770.-	-	-	3KL8151-2TC00	3805.-	1
100A <sup>®</sup>	3KL8171-2TA00	5830.-	-	-	-	-	1
100A	3KL8211-2TA00	8030.-	3KL8211-2TJ00	8210.-	-	-	1
125A	3KL8221-2TA00	9300.-	3KL8221-2TJ00	10135.-	-	-	1
160A	3KL8231-2TA00	9675.-	3KL8231-2TJ00	10915.-	-	-	1
200A	3KL8311-2UA00	14060.-	3KL8311-2UJ00	15370.-	-	-	1
250A	3KL8321-2UA00	15315.-	3KL8321-2UJ00	16970.-	-	-	1
315A	3KL8331-2UA00	18630.-	3KL8331-2UJ00	19770.-	-	-	1
400A	3KL8341-2UA00	22205.-	3KL8341-2UJ00	23340.-	-	-	1
500A	3KL8411-2UA00	35055.-	3KL8411-2UJ00	40815.-	-	-	1
630A	3KL8421-2UA00	35860.-	3KL8421-2UJ00	41415.-	-	-	1
800A <sup>§</sup>	3KL8431-2UA00	46645.-	3KL8431-2UJ00	46795.-	-	-	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	6570.-	3KL8111-4TA10	7575.-	1
	BS	3KL8111-5TJ10	6625.-	3KL8111-4TJ10	7590.-	1
	CYL	3KL8111-5TC10	6665.-	3KL8111-4TC10	7655.-	1
32A	DIN	3KL8121-5TA10	7030.-	3KL8121-4TA10	7810.-	1
	BS	3KL8121-5TJ10	7050.-	3KL8121-4TJ10	7900.-	1
	CYL	3KL8121-5TC10	7085.-	3KL8121-4TC10	7930.-	1
63A	DIN	3KL8151-5TA10	7805.-	3KL8151-4TA10	9210.-	1
	BS	3KL8151-5TJ10	7835.-	3KL8151-4TJ10	9445.-	1
	CYL	3KL8151-5TC10	7895.-	3KL8151-4TC10	9475.-	1
100A	DIN	3KL8211-5TA10	12515.-	3KL8211-4TA10	14840.-	1
	BS	3KL8211-5TJ10	12880.-	3KL8211-4TJ10	14985.-	1
125A	DIN	3KL8221-5TA10	14835.-	3KL8221-4TA10	17870.-	1
	BS	3KL8221-5TJ10	14945.-	3KL8221-4TJ10	18435.-	1
160A	DIN	3KL8231-5TA10	15915.-	3KL8231-4TA10	19645.-	1
	BS	3KL8231-5TJ10	16040.-	3KL8231-4TJ10	19775.-	1
200A	DIN	3KL8311-5UA10	22950.-	3KL8311-4UA10	32070.-	1
	BS	3KL8311-5UJ10	23125.-	3KL8311-4UJ10	32805.-	1
250A	DIN	3KL8321-5UA10	26020.-	3KL8321-4UA10	34150.-	1
	BS	3KL8321-5UJ10	26200.-	3KL8321-4UJ10	34385.-	1
315A	DIN	3KL8331-5UA10	30950.-	3KL8331-4UA10	40645.-	1
	BS	3KL8331-5UJ10	31120.-	3KL8331-4UJ10	40850.-	1
400A	DIN	3KL8341-5UA10	35700.-	3KL8341-4UA10	45575.-	1
	BS	3KL8341-5UJ10	36155.-	3KL8341-4UJ10	45770.-	1
500A	DIN	3KL8411-5UA10	53160.-	3KL8411-4UA10	67030.-	1
	BS	3KL8411-5UJ10	53320.-	3KL8411-4UJ10	67755.-	1
630A	DIN	3KL8421-5UA10	55965.-	3KL8421-4UA10	71180.-	1
	BS	3KL8421-5UJ10	56125.-	3KL8421-4UJ10	71390.-	1
800A <sup>§</sup>	DIN	3KL8431-5UA10	60080.-	3KL8431-4UA10	76420.-	1
	BS	3KL8431-5UJ10	60235.-	3KL8431-4UJ10	76620.-	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	4650.-	1
200A-400A	3KX8345-4AC	6185.-	1
500A-800A	3KX8435-4AC <sup>1)</sup>	10140.-	1
200A-800A	3KX8435-4AG <sup>#2)</sup>	17415.-	1

@ In 3P housing

^ SS stands for Sheet Steel

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

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

^ SS stands for Sheet Steel

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

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

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

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

Notes:

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

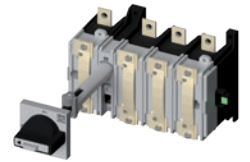
3KL8: Unit MRPs are without fuses

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

Refer the brochure for fuse selection guide

Refer the OM for changes in dimension

# Superswitch 3KA8



## Switch 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>	3190.-	3KA8151-5TE00	3845.-	3KA8151-4TE00	5470.-	1
100A	-	-	3KA8171-5TE00	5985.-	3KA8171-4TE00	11005.-	1
100A	3KA8211-2TE00	5585.-	3KA8211-5TE00	7610.-	3KA8211-4TE00	12725.-	1
125A	3KA8221-2TE00	7010.-	3KA8221-5TE00	8735.-	3KA8221-4TE00	13670.-	1
160A	3KA8231-2TE00	9340.-	3KA8231-5TE00	11370.-	3KA8231-4TE00	17220.-	1
200A	3KA8311-2UE00	11875.-	3KA8311-5UE00	14680.-	3KA8311-4UE00	19985.-	1
250A	3KA8321-2UE00	12995.-	3KA8321-5UE00	15505.-	3KA8321-4UE00	24550.-	1
400A	3KA8341-2UE00	18030.-	3KA8341-5UE00	22925.-	3KA8341-4UE00	33460.-	1
630A <sup>§</sup>	3KA842□-2UE00	28915.-	3KA842□-5UE00	36385.-	3KA842□-4UE00	47900.-	1
800A <sup>§</sup>	3KA843□-2UE00	30175.-	3KA843□-5UE00	37550.-	3KA843□-4UE00	54965.-	1
1000A <sup>§</sup>	3KA844□-2UE00	40375.-	3KA844□-5UE00	53940.-	3KA844□-4UE00	67735.-	1
1250A <sup>§</sup>	3KA845□-2UE00	53090.-	3KA845□-5UE00	69970.-	3KA845□-4UE00	81430.-	1
1600A <sup>§</sup>	3KA846□-2UE00	61230.-	3KA846□-5UE00	77445.-	3KA846□-4UE00	109670.-	1

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

@ In 3P housing

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

Notes:

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

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

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

Refer the OIS for changes in dimension

## Accessories for Superswitch 3KL8 / 3KA8

Description	Pole	Fuse type	3KL81 11/21/51/71 3KA81 51/71	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41	Unit MRP* ₹	3KL84 11/21/31 3KA84 2/3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)				
Fuse cover <sup>2)</sup>	2P	DIN	3KX8150-0AE <sup>5)</sup>	305.-	3KX8230-0JF	740.-	3KX8340-0AF	1085.-	3KX8430-0JF	1535.-	1				
		BS			3KX8230-0HF	740.-			3KX8430-0HF	1535.-	1				
	3P	DIN			3KX8230-0JE	740.-			3KX8340-0AE	1085.-	3KX8430-0JE	1535.-	1		
		BS			3KX8230-0HE	740.-					3KX8430-0HE	1535.-	1		
	4P	DIN			3KX8230-0JG	740.-					3KX8340-0AG	1085.-	3KX8430-0JG	1535.-	1
		BS			3KX8230-0HG	740.-							3KX8430-0HG	1535.-	1
Terminal cover (1set = 2pieces)	2P	-	3KX8151-0AE	150.-	3KX8231-0AF	625.-	3KX8341-0AF	1185.-					3KX8431-0AF	1390.-	1
	3P	-			3KX8231-0AE	625.-							3KX8341-0AE	1185.-	3KX8431-0AE
	4P	-			3KX8231-0AG	625.-			3KX8341-0AG	1185.-			3KX8431-0AG	1390.-	1
Phase barrier	-	DIN/ BS/ Cylindrical	3KX8153-0AE	60.-	3KX8153-0AE (DIN)	60.-	3KX8343-0AE	190.-	3KX8433-0AE	285.-			1		
					3KX8233-0JE (BS)	60.-				1					
Fuse cover phase barrier kit <sup>3)</sup>	-	-	-	-	-	-	3KX8340-9AE	605.-	3KX8440-9AE	605.-	1				
Auxiliary switch (1NO+1NC)	-	-	3SB5400-0A <sup>4)</sup>	240.-	3KX3522-1YC	955.-	3KX3552-1YC	1150.-	3KX3582-1YC	1390.-	1				
Auxiliary switch (2NO+2NC)	-	-	-	-	3KX3522-1YD	1725.-	3KX3552-1YD	2490.-	3KX3582-1YD	2690.-	1				
Auxiliary switch cover	-	-	3KX8154-0AC	105.-	3KX8234-0AC	105.-	-	-	-	-	1				
Front drive (Handle)	-	-	8UC6114-1BB00	1205.-	8UC6214-1BB00	1360.-	8UC6314-1BB00	2055.-	8UC6414-1BB00	3000.-	1				
Operating shaft (300mm)	-	-	8UC60-31	335.-	8UC60-32	405.-	8UC60-34	780.-	8UC60-34	780.-	1				
Castell interlock <sup>1)</sup>	-	-	8UC6070-0YQ..	6280.-	8UC6070-1YQ..	6280.-	8UC6070-2YQ..	6450.-	8UC6070-2YQ..	6450.-	1				
Depth setting template	-	-	8UC6046-2	65.-	8UC6046-2	65.-	8UC6046-2	65.-	8UC6046-2	65.-	1				
Fuse Monitor with auxiliary switch <sup>^</sup> (1NO+1NC)	-	-	3RV1611-0BD10	9975.-	3RV1611-0BD10	9975.-	3RV1611-0BD10	9975.-	3RV1611-0BD10	9975.-	1				
	-	-	3RV2901-1E	1300.-	3RV2901-1E	1300.-	3RV2901-1E	1300.-	3RV2901-1E	1300.-	1				
Fuse safety barrier	-	-	3KX8150-1AC	160.-	3KX8230-1AC	210.-	-	-	-	-	1				
Gland box with gland plate (1no.)	-	-	3KX8235-4DC	5390.-	3KX8235-4DC	5390.-	3KX8345-4DC	7440.-	3KX8435-4DC	11335.-	1				
	-	-	-	-	-	-	-	3KX8435-4DG <sup>4)</sup>	18550.-	1					
	-	-	-	-	-	-	-	3KX8435-4GC	1645.-	1					
Gland plate	-	-	3KX8235-4GC	1140.-	3KX8235-4GC	1140.-	3KX8345-4GC	1485.-	3KX8435-4GG <sup>4)</sup>	1665.-	1				

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

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

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

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

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

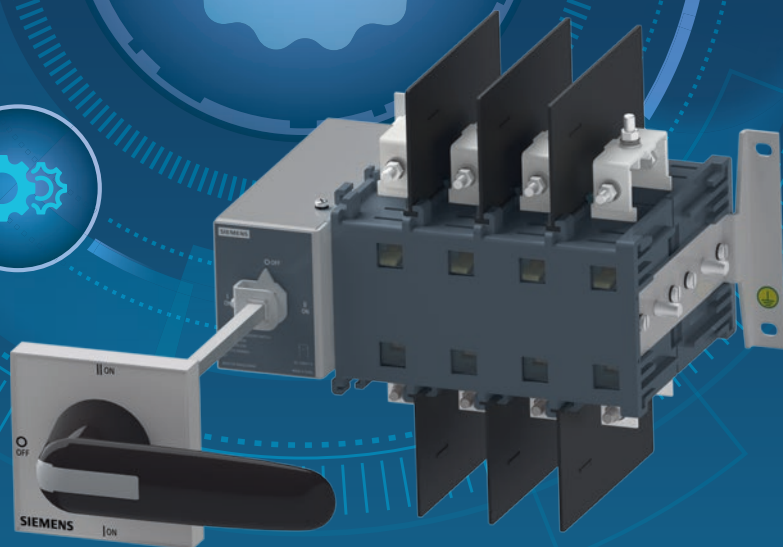
Note: The above accessories e.g. Fuse Cover, Terminal Cover, Phase barrier, Fuse cover phase barrier kit & Front Drive (handle) are unique (different) and not to be used along with MLFB 3KL8...-3.A00, 3KL8...-3.J00, 3KL8...-3.C00

Std. Pkg. = 1 unit

\* MRP - Maximum Retail Price

^ - List Price

# - Std. pkg. = 10



**SINOVA**

# On Load Changeover Switches – 3KJ

**Simply Efficient**

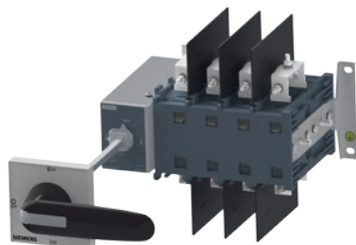
- Compliant with IS/IEC60947-3
- 4-pole modular switches up to 3150A in open and enclosed versions
- Stable I-O-II positions with safe switching
- Suitable for Positive isolation
- Built-in bridging bars and phase barriers
- Wide portfolio of accessories and spares

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

**SIEMENS**

## Manual On Load Changeover Switch 3KJ

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



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

Series	Size	Rated current Ie @415V 50/60Hz	MCOS in Open execution	Unit MRP* ₹	MCOS in Enclosed execution	Unit MRP* ₹	Std.pkg. (nos.)
3KJ1#	1	63	3KJ1126-4AA20-0AA0	6980.-	3KJ1126-4AA20-1AA0	13800.-	1
		100	3KJ1130-4AA20-0AA0	9285.-	3KJ1130-4AA20-1AA0	16215.-	1
3KJ0	1	125	3KJ0132-4AA20-0AA0	13900.-	3KJ0132-4AA20-1AA0	18895.-	1
		160	3KJ0134-4AA20-0AA0	15275.-	3KJ0134-4AA20-1AA0	21635.-	1
	2	200	3KJ0236-4AA20-0AA0	19455.-	3KJ0236-4AA20-1AA0	25030.-	1
		250	3KJ0238-4AA20-0AA0	23805.-	3KJ0238-4AA20-1AA0	31100.-	1
		315	3KJ0240-4AA20-0AA0	31190.-	3KJ0240-4AA20-1AA0	38015.-	1
		400	3KJ0242-4AA20-0AA0	45275.-	3KJ0242-4AA20-1AA0	56515.-	1
	3	630	3KJ0346-4AA20-0AA0	53845.-	3KJ0346-4AA20-1AA0	65070.-	1
		800	3KJ0348-4AA20-0AA0	78100.-	3KJ0348-4AA20-1AA0	93585.-	1
	4	1000	3KJ0450-4AA30-0AA0	147090.-	3KJ0450-4AA30-1AA0	161750.-	1
		1250	3KJ0452-4AA30-0AA0	181275.-	3KJ0452-4AA30-1AA0	208900.-	1
		1600	3KJ0454-4AA30-0AA0	231090.-	3KJ0454-4AA30-1AA0	281735.-	1
	5	2000	3KJ0556-4AA30-0AA0	355740.-	3KJ0556-4AA30-1AA0	388325.-	1
		2500	3KJ0558-4AA30-0AA0	456095.-	3KJ0558-4AA30-1AA0	496885.-	1
		3150	3KJ0560-4AA30-0AA0	586455.-	3KJ0560-4AA30-1AA0	673510.-	1

#### Notes:

3KJ On Load Changeover Switch is switch disconnecter type

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

# Non-Modular construction

POR: Price On Request

Refer the operating instruction sheet for complete dimensional details

Std. Pkg. = 1 unit

\* MRP - Max. Retail Price



# Manual On Load Changeover Switch 3KJ



Auxiliary switch

Gland box

## Accessories and spares

Accessory	Description	3KJ11	Unit MRP* ₹	3KJ01	Unit MRP* ₹	3KJ02	Unit MRP* ₹	Std.pkg. (nos.)
Auxiliary switch <sup>1)</sup>	1CO	3KJ9101-1AB00	700.-					1
	2CO	3KJ9101-1AD00	1395.-					1
	1NO+1NC			3KJ9001-1AB00	1810.-	3KJ9001-5AB00	3665.-	1
	2NO+2NC			3KJ9001-1AD00	6310.-	3KJ9001-5AD00	13700.-	1
Gland box <sup>2)</sup>	With one gland plate			3KJ9013-1MA00	3765.-	3KJ9013-2MB00	8515.-	1
Spare Phase barrier		3KJ9103-1CA00	45.-	3KJ9003-1CA00	65.-	3KJ9003-3CA00	105.-	1
Spare Front drive (Handle)	Plastic	3KJ9106-1FT00	660.-	3KJ9006-2FT00	660.-	3KJ9006-2FT00	660.-	1
Spare Shaft		3KJ9107-1GA00	220.-	3KJ9007-2GA00	220.-	3KJ9007-2GA00	220.-	1
Spare pole <sup>3)</sup>				125A 3KJ9008-1HC00	POR	200A 3KJ9008-2HE00	POR	1
				160A 3KJ9008-1HD00		250A 3KJ9008-2HF00		1
					315A 3KJ9008-2HG00	1		
					400A 3KJ9008-2HH00	1		
						400A 3KJ9008-2HE00		1
Spare Bridging bar	Load side connection	63A,100A 3KJ9102-1BA00	POR	125A,160A 3KJ9002-1BB00	POR	200A 3KJ9002-2BC00	POR	1
						250A,315A 3KJ9002-2BD00	POR	1
						400A 3KJ9002-2BE00	POR	1

Accessory	Description	3KJ03	Unit MRP* ₹	3KJ04	Unit MRP* ₹	3KJ05	Unit MRP* ₹	Std.pkg. (nos.)
Auxiliary Switch <sup>1)</sup>	1NO+1NC	3KJ9001-5AB00	3665.-	3KJ9001-5AB00	3665.-	3KJ9001-5AB00	3665.-	1
	2NO+2NC	3KJ9001-5AD00	13700.-	3KJ9001-5AD00	13700.-	3KJ9001-5AD00	13700.-	1
Gland box <sup>2)</sup>	With one gland plate	3KJ9013-3MC00	13100.-					1
Spare Phase barrier	Lower side	3KJ9003-3CA00	105.-	3KJ9003-4CA00	370.-			1
	Front side					3KJ9003-5CA10	370.-	1
Spare Front drive (Handle)	Plastic	3KJ9006-3FT00	750.-			3KJ9003-5CA20	400.-	1
	Metallic							1
Spare Shaft		3KJ9007-4GA00	475.-	3KJ9007-4GA00	475.-	3KJ9007-5GA00	475.-	1
Spare pole <sup>3)</sup>		630A 3KJ9008-3HJ00	POR	1000A 3KJ9008-4HL00	POR	2000A 3KJ9008-4HL00	POR	1
		800A 3KJ9008-3HK00		1250A 3KJ9008-4HM00		2500A 3KJ9008-4HM00		1
			1600A 3KJ9008-4HN00	3150A 3KJ9008-4HN00		1		
Spare Extended link				1000A 3KJ9012-4LA00	POR			1
				1250A 3KJ9012-4LB00		1		
				1600A 3KJ9012-4LC00		1		
Spare Bridging bar	Load side connection	630A 3KJ9002-3BF00	POR	1000A 3KJ9002-4BH00	POR			1
		800A 3KJ9002-3BG00		1250A 3KJ9002-4BJ00		2000A 3KJ9002-5BL20 3KJ9002-5BL30	1	
			1600A 3KJ9002-4BK10 3KJ9002-4BK20	2500A 3KJ9002-5BM20 3KJ9002-5BM30		1		
				3150A 3KJ9002-5BN30 3KJ9002-5BN40 3KJ9002-5BN50		POR	1	
	Line side connection					2000A 3KJ9002-5BL10		1
						2500A 3KJ9002-5BM10		1
						3150A 3KJ9002-5BN10 3KJ9002-5BN20		1

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

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

Load Break Switches

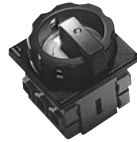
# Main control and EMERGENCY STOP switches 3LD2

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



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

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2003-0TK5□	3485.-
	25	9.5	3LD2103-0TK5□	3855.-
	32	11.5	3LD2203-0TK5□	4300.-
	63	22	3LD2504-0TK5□	7360.-
	100	37	3LD2704-0TK5□	11155.-
	125	45	3LD2804-0TK5□	14220.-
	160	75	3LD2305-0TK1□	POR
	250	132	3LD2405-0TK1□	

□ - 1: Black OR  
□ - 3: Red/yellow

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

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2022-0TK1□	3110.-
	25	9.5	3LD2122-0TK1□	3415.-
	32	11.5	3LD2222-0TK1□	4140.-

□ - 1: Black OR  
□ - 3: Red/yellow

## Changeover switches with selector switch operating mechanism

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD2123-7UK01	7635.-
	32	11.5	3LD2223-7UK01	8355.-
	63	22	3LD2524-7UK01	13815.-
	100	37	3LD2724-7UK01	25690.-
	160	75	3LD2305-7UK01	POR
	250	132	3LD2405-7UK01	

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	25	9.5	3LD21657UB01	12225.-
	32	11.5	3LD22657UB01	13895.-
	63	22	3LD25667UB01	30145.-
	100	37	3LD27667UB01	51945.-

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

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2013-0TK5□	5585.-
	25	9.5	3LD2113-0TK5□	6200.-
	32	11.5	3LD2213-0TK5□	6835.-
	63	22	3LD2514-0TK5□	8200.-
	100	37	3LD2714-0TK5□	13465.-
	125	45	3LD2814-0TK5□	16820.-
	160	75	3LD2318-0TK1□	POR
	250	132	3LD2418-0TK1□	

□ - 1: Black OR  
□ - 3: Red/yellow

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

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



No of Poles	Rated current (A) Ie AC21A	Motor kW AC 23A, 380....440V, 50/60Hz	Type	Unit LP* ₹
3	16	7.5	3LD2064-0TB5□	4965.-
	25	9.5	3LD2164-0TB5□	5385.-
	32	11.5	3LD2264-0TB5□	6400.-
	63	22	3LD2565-0TB5□	10600.-
	100	37	3LD2766-0TB5□	24090.-
	125	45	3LD2866-0TB5□	43600.-

□ - 1: Black OR  
□ - 3: Red/yellow

Note: 3LD23/24 knob operated mechanism

POR: Price On Request

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)	3LD9220-0B	1570.-	1		
		3LD25 (63A)	3LD9250-0BA	2305.-	1		
		3LD27 (100A) and 3LD28 (125A)	3LD9280-0B	2860.-	1		
		3LD23 (160A) and 3LD24 (250A)	3LD9240-0B	POR	1		
	N or PE terminal Continuous	3LD20 (16A)	3LD9200-2B	1050.-	1		
		3LD21 (25A) and 3LD22 (32A)	3LD9220-2B	1200.-	1		
		3LD25 (63A)	3LD9250-2BA	1575.-	1		
		3LD27 (100A) and 3LD28 (125A)	3LD9280-2B	1915.-	1		
	Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD23 (160A) and 3LD24 (250A)	3LD9240-2B	POR	1		
		3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD9200-5B	1745.-	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)	3LD9220-0C	1570.-	1
			3LD25 (63A)	3LD9250-0CA	2305.-	1	
3LD27 (100A) and 3LD28 (125A)	3LD9280-0C		2860.-	1			
3LD23 (160A) and 3LD24 (250A)	3LD9240-0C		POR	1			
N or PE terminal Continuous	3LD20 (16A)	3LD9200-2C	1420.-	1			
	3LD21 (25A) and 3LD22 (32A)	3LD9220-2C	1200.-	1			
	3LD25 (63A)	3LD9250-2CA	1575.-	1			
	3LD27 (100A) and 3LD28 (125A)	3LD9280-2C	1915.-	1			
Auxiliary switches For mounting on left and/or right 1NO+1NC	3LD23 (160A) and 3LD24 (250A)	3LD9240-2C	POR	1			
	3LD20, 3LD21, 3LD22, 3LD25, 3LD27, 3LD28, 3LD23 and 3LD24	3LD9200-5C	1655.-	1			
	Terminal cover for touch protection can be snapped on at top & bottom for front, floor and distribution board mounting	4 pole	3LD20 (16A)	3LD9201-1A	535.-	4	
		3 pole	3LD21 (25A) and 3LD22 (32A)	3LD9221-0A	500.-	4	
3 pole		3LD25 (63A)	3LD9251-0A	555.-	4		
1 pole		3LD27 (100A) and 3LD28 (125A)	3LD9281-2A	270.-	4		
1 pole		3LD23 (160A) and 3LD24 (250A)	3LD9241-2A	POR	4		
For front (four hole mounting only) and floor mounting switch or 3LD2 switch in moulded-plastic enclosure	Auxiliary switch, front-mounted, for long leading times 1NO+1NC, lagging switch-on, leading switch-off (20 ms to 150 ms)	3LD20, 3LD21, 3LD22, 3LD25, 3LD27 and 3LD28	3LD9280-5D	POR	1		
		3LD23 and 3LD24	3LD9240-5D	POR	1		

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



## Motor control switches 3LA0

Description		Motor output 415V, 50Hz, 3Ph kW	Type	Unit LP* ₹	Std. pkg. (nos.)
Open execution	On/Off	7.5	3LA0201-1YA	2950.-	10
		30	3LA0601-1YB	6840.-	5
	System selector	5.5	3LA0202-1YA	3365.-	10
		30	3LA0602-1YB	9570.-	5
	Reversing	5.5	3LA0203-1YA	3365.-	10
		30	3LA0603-1YB	9570.-	5
	Star-delta	12	3LA0204-5YA	4740.-	10
		30	3LA0604-1YB	13025.-	5
	2 speed pole changing i) Separate windings ii) Dahlander	5.5	3LA0205-2YA	3365.-	10
		5.5	3LA0205-1YA	4525.-	10
5.5		3LA0205-3YA	6505.-	10	
Reversing pole changing	5.5	3LA0205-3YA	6505.-	10	

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



Description	Type	Unit LP* ₹	Std. pkg. (nos.)
Ball handle – Black	3LX0 211-1YA	180.-	10
Machine handle – Black	3LX0 611-2YA	480.-	10
Indicating dial for size 2	3LX0 220-1YA	135.-	10
Indicating dial for size 6	3LX0 620-1YA	135.-	10
Catching lever for the drive mechanism of size 2switch (2 nos. reqd. per switch)	3LY0 220-2YA	135.-	10
Tension spring for the drive mechanism of size 2 switch	3LY0 210-1YA	125.-	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	2020.-	10
	63	52	3LA0605-1YB	4855.-	5
4	25	16	3LA0205-5YA	3365.-	10
	63	52	3LA0605-2YB	8850.-	5

POR: Price On Request

\* LP - List Price

# When it comes to safety, nothing beats SIVACON

SIVACON S8 Low Voltage Power Distribution Switchboard  
Safe, Flexible, Efficient

SIVACON

Technology  
Partner

SIEMENS



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

#### Features

- The only 'Arc Free' switchboards in the world
- Patented double front PCCs upto 7000A, 150kA
- Patented holeless technology for connections
- Patented ventilation technique Combination of fixed, plugin & drawout feeders in the same vertical

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

**SIEMENS**



# 3LD4

## Control Switches

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

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

**SIEMENS**

# 3LD4 Control Switches

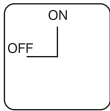
The 3LD4 Control Switches are cam operated switches suitable for use in a wide variety of control and auxiliary circuit applications.

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



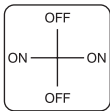
## ON OFF Switches

### 90° operation



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1AA00-ORCO	1 Pole	195.-	370.-	440.-	460.-	480.-	595.-	755.-	880.-	4610.-	1
3LD4 ___ 2AA00-ORCO	2 Pole	245.-	420.-	500.-	555.-	580.-	690.-	905.-	1130.-	5760.-	
3LD4 ___ 3AA00-ORCO	3 Pole	270.-	500.-	585.-	635.-	755.-	845.-	1055.-	1515.-	7090.-	
3LD4 ___ 4AA00-ORCO	4 Pole	330.-	540.-	625.-	760.-	930.-	1000.-	1210.-	1825.-	8300.-	

### 90° Operation with complete rotation

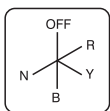
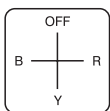


Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1BC00-ORCO	1 Pole	190.-	370.-	440.-	460.-	465.-	585.-	750.-	875.-	4610.-	1
3LD4 ___ 2BC00-ORCO	2 Pole	245.-	420.-	500.-	555.-	580.-	690.-	905.-	1130.-	5760.-	
3LD4 ___ 3BC00-ORCO	3 Pole	270.-	500.-	585.-	635.-	755.-	845.-	1055.-	1515.-	7090.-	
3LD4 ___ 4BC00-ORCO	4 Pole	330.-	540.-	625.-	760.-	930.-	1000.-	1210.-	1825.-	8300.-	

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

## Instrumentation Selector Switch

### Ammeter Selector Switch (ASS)



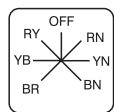
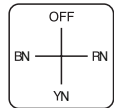
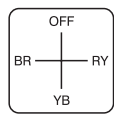
Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line currents with OFF	6A	3LD40014DC200RCO	405.-	1
	10A	3LD41024DC200RCO	485.-	
	16A	3LD41034DC200RCO	620.-	
	20A	3LD41044DC200RCO	695.-	
Line currents with Neutral with OFF	6A	3LD40014DD200RCO	400.-	
	10A	3LD41024DD200RCO	480.-	
	16A	3LD41034DD200RCO	610.-	
	20A	3LD41044DD200RCO	770.-	



\* LP - List Price

# 3LD4 Control Switches

## Voltmeter Selector Switch (VSS)

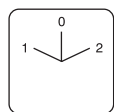


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
Line voltages with OFF	6A	3LD40014DC300RC0	295.-	1
	10A	3LD41024DC300RC0	440.-	
	16A	3LD41034DC300RC0	560.-	
	20A	3LD41044DC300RC0	635.-	
Phase voltages with OFF	6A	3LD40014DC310RC0	525.-	
	10A	3LD41024DC310RC0	595.-	
	16A	3LD41034DC310RC0	760.-	
	20A	3LD41044DC310RC0	840.-	
Line & Phase voltages with OFF	6A	3LD40014DF300RC0	525.-	
	10A	3LD41024DF300RC0	880.-	
	16A	3LD41034DF300RC0	1050.-	
	20A	3LD41044DF300RC0	1140.-	



## Changeover Switch

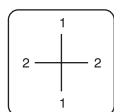
### With OFF (60°)



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	245.-	455.-	555.-	570.-	585.-	645.-	875.-	1190.-	5955.-	1
3LD4 ___ 2BB10-ORCO	2P 2W	330.-	555.-	625.-	740.-	790.-	925.-	1200.-	1800.-	8710.-	
3LD4 ___ 3BB10-ORCO	3P 2W	405.-	690.-	840.-	1035.-	1195.-	1290.-	1515.-	2425.-	11275.-	
3LD4 ___ 4BB10-ORCO	4P 2W	500.-	760.-	965.-	1265.-	1590.-	1670.-	1855.-	3065.-	14375.-	

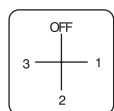


### Without OFF (90°)



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	245.-	455.-	555.-	560.-	585.-	645.-	875.-	1190.-	5955.-	1
3LD4 ___ 2PC10-ORCO	2P 2W	330.-	555.-	625.-	740.-	790.-	925.-	1200.-	1800.-	8710.-	
3LD4 ___ 3PC10-ORCO	3P 2W	405.-	690.-	840.-	1035.-	1195.-	1290.-	1515.-	2425.-	11275.-	
3LD4 ___ 4PC10-ORCO	4P 2W	500.-	760.-	965.-	1265.-	1590.-	1670.-	1855.-	3065.-	14375.-	

## 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	295.-	400.-	465.-	555.-	560.-	700.-	1025.-	1145.-	4895.-	1



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

# 3LD4 Control Switches

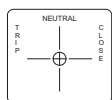
## Breaker Control Switch

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



### Product Features

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

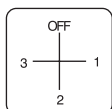


Description	Rating	Type#	Unit LP* ₹	Std. pkg. (nos.)
1 Trip + 1 Close	25A	3LD4205-2BB50-ORCO	1640.-	1
	32A	3LD4206-2BB50-ORCO	1935.-	
2 Trip + 2 Close	25A	3LD4205-4BB50-ORCO	1975.-	
	32A	3LD4206-4BB50-ORCO	2305.-	

## Multistep Switch

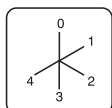


### Multistep 3 Way with OFF



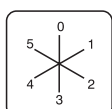
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1CC40-ORCO	1P 3W	295.-	500.-	580.-	595.-	625.-	705.-	1000.-	1130.-	6105.-	1
3LD4 ___2CC40-ORCO	2P 3W	405.-	585.-	705.-	840.-	960.-	1030.-	1480.-	1665.-	8965.-	
3LD4 ___3CC40-ORCO	3P 3W	585.-	780.-	1190.-	1275.-	1420.-	1545.-	1970.-	2580.-	11725.-	
3LD4 ___4CC40-ORCO	4P 3W	750.-	1005.-	1445.-	1580.-	1770.-	1950.-	2645.-	3080.-	14805.-	

### Multistep 4 Way with OFF



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1DD40-ORCO	1P 4W	335.-	445.-	840.-	910.-	1005.-	1120.-	1270.-	1720.-	5400.-	1
3LD4 ___2DD40-ORCO	2P 4W	585.-	845.-	990.-	1020.-	1060.-	1230.-	1590.-	2010.-	7870.-	
3LD4 ___3DD40-ORCO	3P 4W	815.-	1135.-	1575.-	1650.-	1770.-	2030.-	2710.-	3080.-	21670.-	

### Multistep 5 Way with OFF



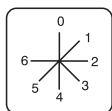
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___1EE40-ORCO	1P 5W	380.-	710.-	965.-	1090.-	1260.-	1275.-	1575.-	1840.-	5420.-	1
3LD4 ___2EE40-ORCO	2P 5W	690.-	1105.-	1280.-	1480.-	1715.-	2010.-	2070.-	2585.-	7865.-	

\* LP - List Price



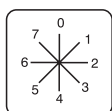
# Multistep Switch

## Multistep 6 Way with OFF



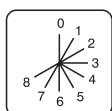
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)		
3LD4 ___ 1FF40-ORCO	1P 6W	495.-	800.-	930.-	1025.-	1120.-	1305.-	1340.-	2170.-	1	
3LD4 ___ 2FF40-ORCO	2P 6W	815.-	1200.-	1350.-	1525.-	1720.-	2085.-	2665.-	3480.-		

## Multistep 7 Way with OFF



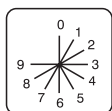
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)		
3LD4 ___ 1GG40-ORCO	1P 7W	500.-	825.-	1020.-	1115.-	1275.-	1335.-	1385.-	2155.-	1	

## Multistep 8 Way with OFF



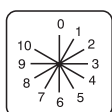
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1HH40-ORCO	1P 8W	565.-	700.-	1000.-	1160.-	1

## Multistep 9 Way with OFF



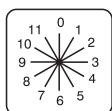
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1JJ40-ORCO	1P 9W	585.-	850.-	1035.-	1230.-	1

## Multistep 10 Way with OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1KK40-ORCO	1P 10W	690.-	900.-	1385.-	1865.-	1

## Multistep 11 Way with OFF



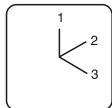
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1LL40-ORCO	1P 11W	815.-	975.-	1525.-	2010.-	1

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

# Multistep Switch

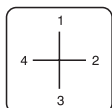


## Multistep 3 Way without OFF



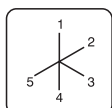
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1QB40-ORCO	1P 3W	280.-	480.-	585.-	595.-	740.-	765.-	1185.-	1335.-	5010.-	1
3LD4 ___ 2QB40-ORCO	2P 3W	405.-	725.-	825.-	905.-	970.-	1000.-	1480.-	1750.-	8965.-	
3LD4 ___ 3QB40-ORCO	3P 3W	585.-	905.-	1230.-	1315.-	1420.-	1545.-	2170.-	2580.-	9630.-	
3LD4 ___ 4QB40-ORCO	4P 3W	750.-	1005.-	1425.-	1620.-	1795.-	1910.-	4210.-	4650.-	10325.-	

## Multistep 4 Way without OFF



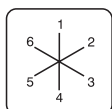
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1RC40-ORCO	1P 4W	320.-	525.-	710.-	770.-	885.-	930.-	1280.-	1790.-	6105.-	1
3LD4 ___ 2RC40-ORCO	2P 4W	455.-	755.-	840.-	965.-	1050.-	1145.-	1545.-	2010.-	9425.-	
3LD4 ___ 3RC40-ORCO	3P 4W	620.-	740.-	1335.-	1475.-	1670.-	1855.-	2020.-	2695.-	12425.-	

## Multistep 5 Way without OFF



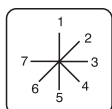
Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1SD40-ORCO	1P 5W	380.-	550.-	765.-	875.-	1000.-	1230.-	1575.-	2015.-	5390.-	1
3LD4 ___ 2SD40-ORCO	2P 5W	690.-	930.-	1050.-	1350.-	1580.-	1705.-	2185.-	2770.-	7750.-	

## Multistep 6 Way without OFF



Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1TE40-ORCO	1P 6W	400.-	495.-	960.-	1025.-	1120.-	1275.-	1485.-	1885.-	8965.-	1
3LD4 ___ 2TE40-ORCO	2P 6W	780.-	945.-	1290.-	1620.-	1980.-	2035.-	2070.-	2640.-	17890.-	

## Multistep 7 Way without OFF

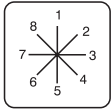


Type#	Description	Unit LP* ₹									Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	25A (205)	32A (206)	40A (207)	63A (208)	100A (309)	
3LD4 ___ 1UF40-ORCO	1P 7W	495.-	625.-	725.-	1005.-	1325.-	1330.-	1590.-	2365.-	1	

\* LP - List Price

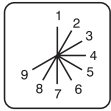
# Multistep Switch

## Multistep 8 Way without OFF



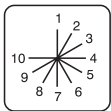
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1VG40-ORCO	1P 8W	500.-	985.-	1085.-	1160.-	1

## Multistep 9 Way without OFF



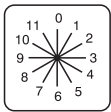
Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1WH40-ORCO	1P 9W	585.-	1020.-	1725.-	2140.-	1

## Multistep 10 Way without OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1XJ40-ORCO	1P 10W	625.-	1040.-	1910.-	2580.-	1

## Multistep 11 Way without OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1YK40-ORCO	1P 11W	650.-	1060.-	2055.-	2715.-	1

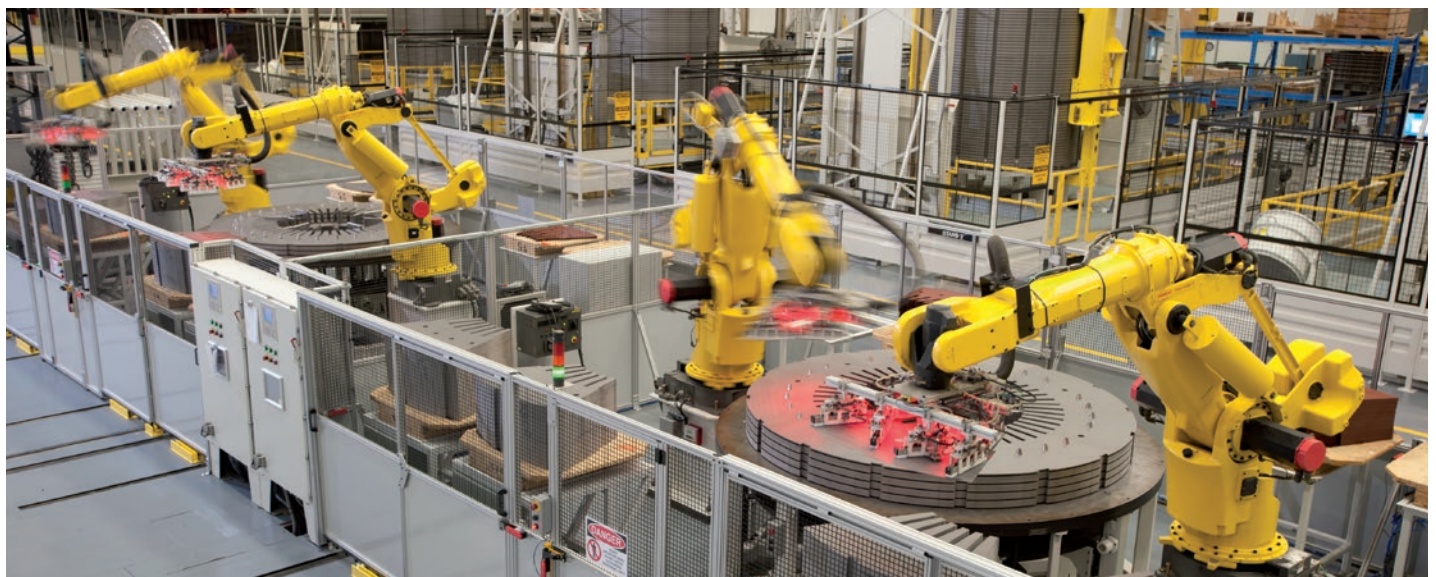
## Multistep 12 Way without OFF



Type#	Description	Unit LP* ₹				Std. pkg. (nos.)
		6A (001)	10A (102)	16A (103)	20A (104)	
3LD4 ___ 1ZL40-ORCO	1P 12W	710.-	1085.-	2140.-	2750.-	1

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

\* LP - List Price





# Power monitoring made simple

Power monitoring devices and software from the SENTRON portfolio

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

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

**SIEMENS**

# Energy Management System

## (A) Hardware Solutions

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



#### 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* ₹
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#	55900.-
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#	76365.-
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#	POR

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

Description	Type	Unit LP * ₹
PROFIBUS DP expansion module	7KM9300-0AB01-0AA0	27265.-
RS485 expansion module for MODBUS RTU	7KM9300-0AM00-0AA0	21055.-
Switched Ethernet PROFINET V3 expansion module	7KM9300-0AE02-0AA0	POR
Digital Expansion Module 4DI/2DO <sup>5</sup>	7KM9200-0AB00-0AA0	POR
Analog Expansion Module	7KM9200-0AD00-0AA0	POR

# For extra low DC voltage (22 ... 65 V DC ± 10 %) option, please contact your nearest Siemens Sales Office.  
<sup>5</sup> Maximum 2 nos.can be connected if communication expansion module is not connected.  
 For exact configuration, please contact your nearest Siemens Sales Office.

## (B) Software Solution

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

POR: Price On Request  
 Std. Pkg. = 1 unit  
 \* LP - List Price

#### PAC EXPANSION Modules



7KM PAC 3220



7KM PAC 4200



MODBUS RTU



PROFINET



PROFIBUS DP



I(N), I(Diff), Analog



PAC 4DI/2DO





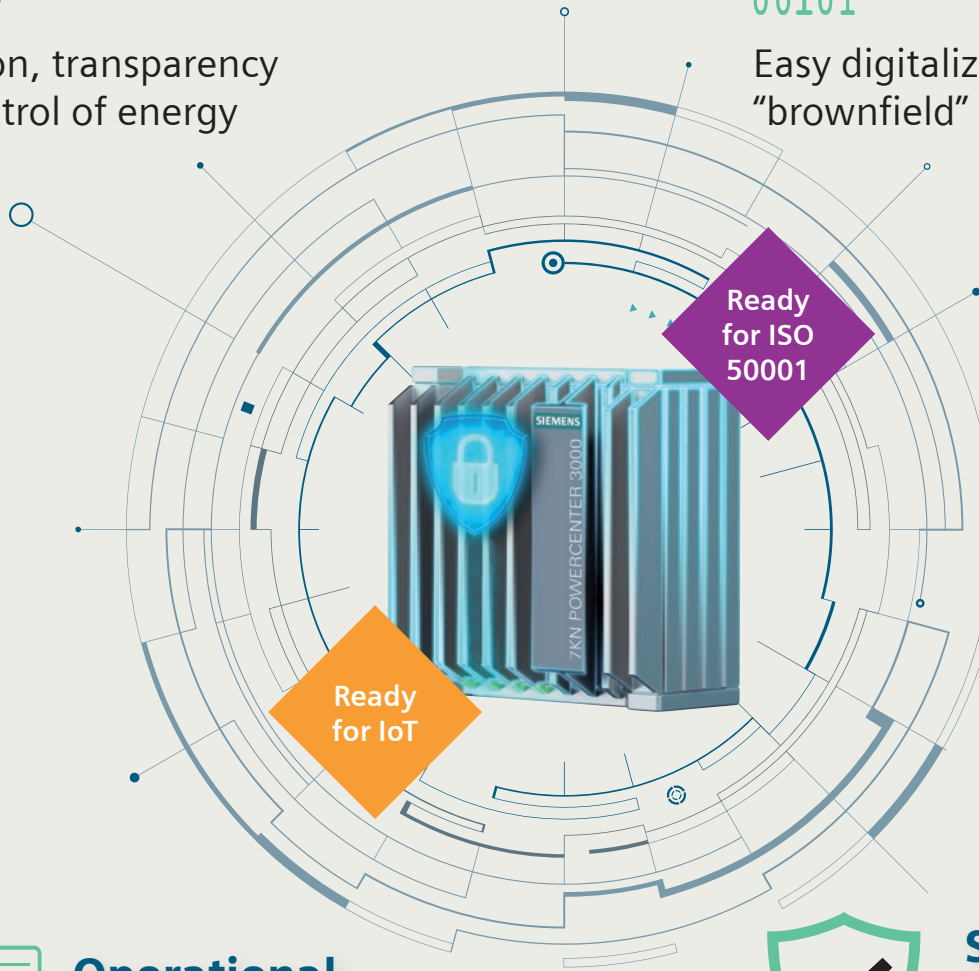
## Energy management

Detection, transparency and control of energy flows

101 0  
1 11101  
0011011  
10101  
00101

## Adaptability to Industry 4.0

Easy digitalization of "brownfield" projects



Ready for ISO 50001

Ready for IoT



## Operational flexibility

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



## Safety through reliability

Identifying potential outages at an early stage enable preventing them

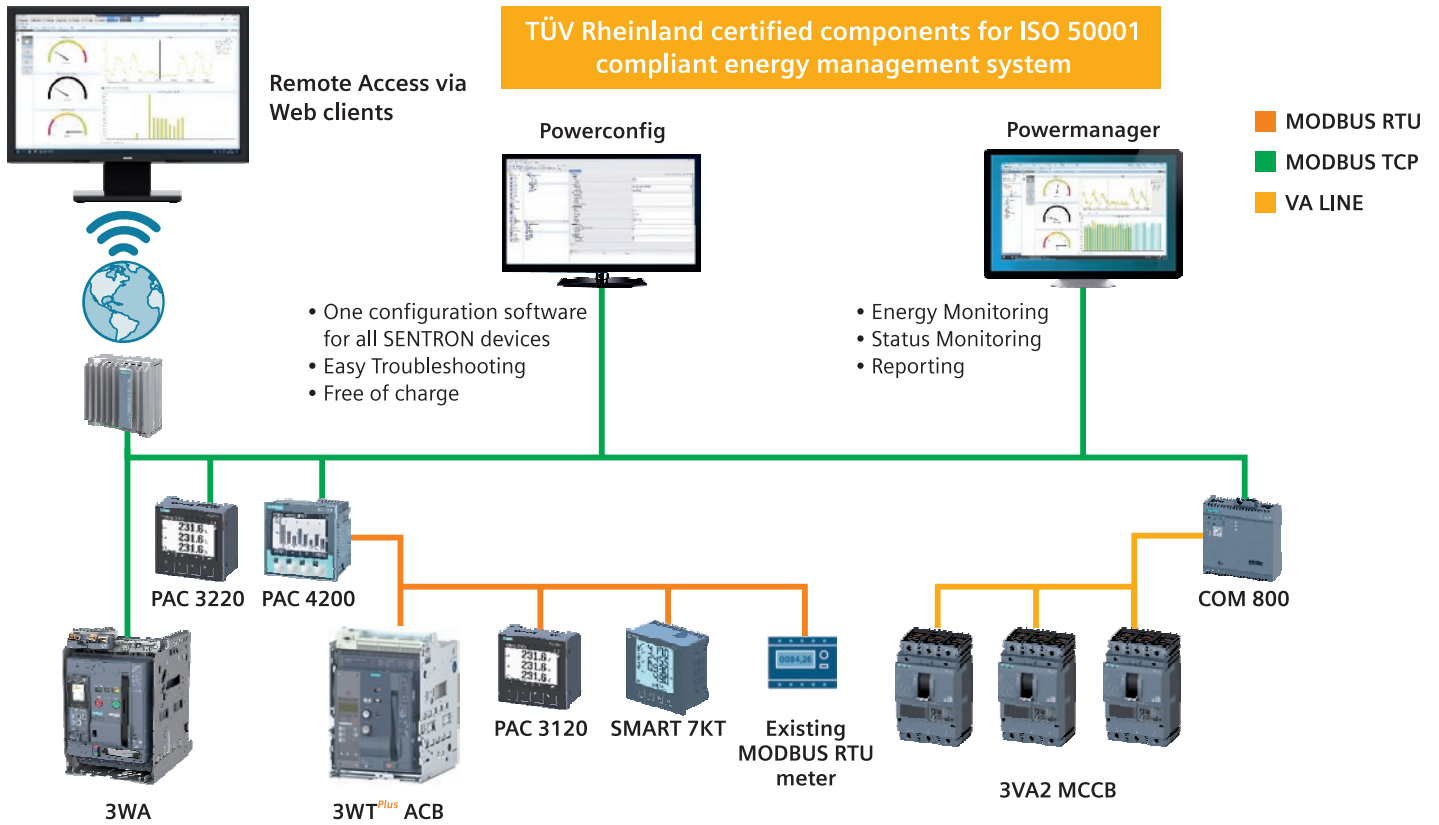
# SENTRON Powercenter 3000

Gateway to the digitalization of low-voltage power distribution

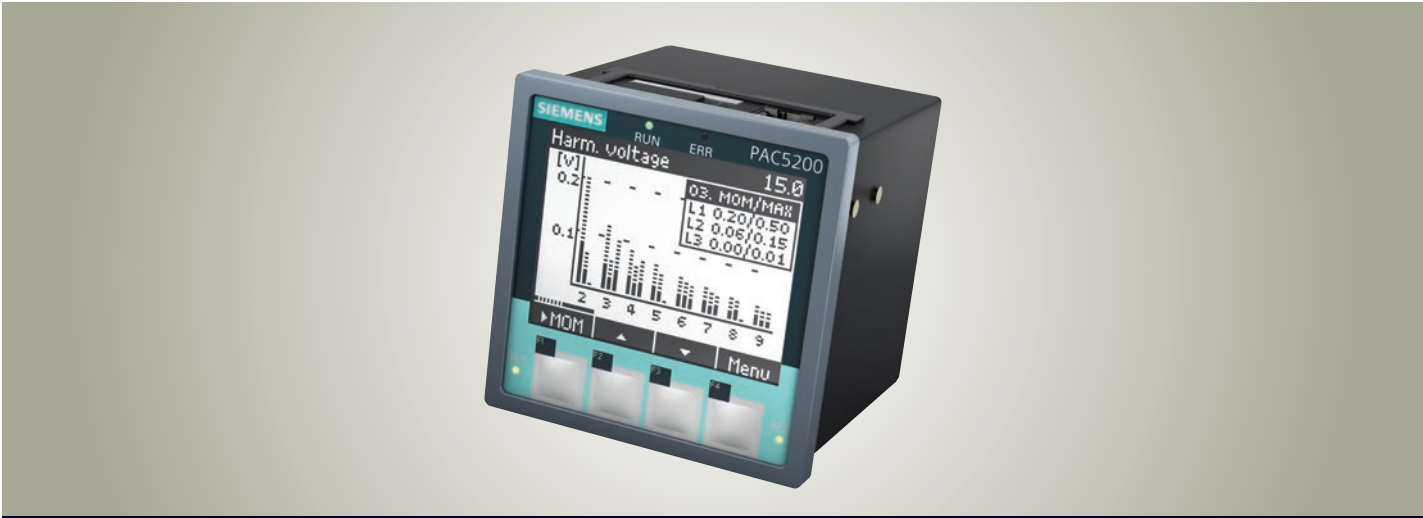
Siemens/SENTRON-Digitalization

# SIEMENS

# Single Platform For Intelligent Power Distribution Management



Energy Management System



## Power Quality Measurement

### SENTRON 7KM PAC 5200

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

*For more details, please contact your nearest Siemens Sales Office.*

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

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

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

### PAC 2200 and PAC 3200T:

Reliable and Easy energy monitoring for DIN rail Applications

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



Energy Management System

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

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

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





# 7KT PAC1200

Multichannel current measuring system for flexible multichannel monitoring in final distribution

#### Current Sensors

- Versions: 40 A, 63 A

#### Sensor Bar

- Versions available for 3, 6, 9, 12

#### Data Manager

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

#### Communication/ Software:

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

\*For more details, please contact your nearest Siemens Sales Office

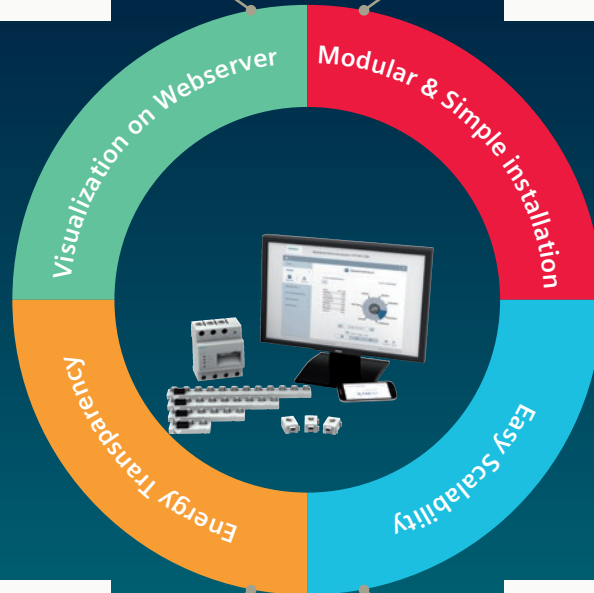
[www.siemens.com/powermonitoring](http://www.siemens.com/powermonitoring)

**SIEMENS**

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

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

**fast**



plug  
and  
play

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

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



Easy



Transparent



Cost-efficient



for more  
info scan  
QR code



# SMART 7KT

## Power Monitoring Devices

Expanding the reach of technology

**SIEMENS**

SMART 7KT

# Power Monitoring Devices

## SMART 7KT Discrete Panel Meter

Accurate and easy visualization for all the basic measurements

- Tested accuracy as per IEC 61557-12 and IEC 62053
- RoHS compliant
- Modern aesthetics with soft touch keys
- Large LED (multicolored) display for easy visualization

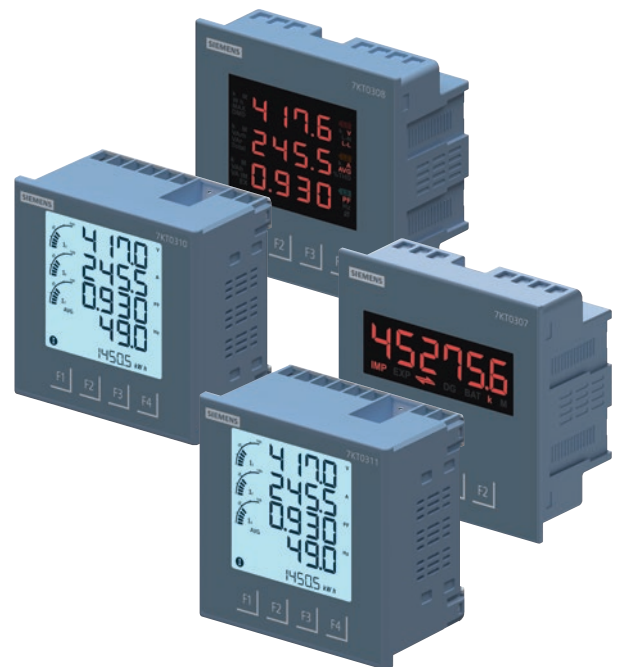


Description	Type	Unit LP ₹
VAF meter	7KT0120	3840.-
VA meter	7KT0110	3520.-
3 phase energy meter	7KT0210	7500.-

## SMART 7KT Multi Function Meter

Broad range of uses in industry and infrastructure

- Tested accuracy as per IEC 61557-12 and IEC 62053
- RoHS compliant
- Graphical representation of current loading in the LCD display meters
- Modern aesthetics with soft touch keys
- Integrated Modbus RTU communication over RS 485
- Measurement of 30+ electrical parameters



Description	Type	Unit LP ₹
LCD Class 0.5s	7KT0311	20255.-
LCD Class 1	7KT0310	16925.-
Multi-line LED Class 1	7KT0308	12600.-
Single-line LED Class 1	7KT0307	8400.-

POR: Price On Request

Std. Pkg. = 1 unit

\* LP - List Price

Power Monitoring Devices



for more info scan QR code

## SMART 7KT Discrete DIN Meters

NEW

### Power monitoring devices for DIN mounted systems

- Tested accuracy as per IEC 61557-12 and IEC 62053
- Bright LCD display for ease of reading
- Easy mounting with click fit on DIN rails
- Integrated communication in 2MW makes the meter digitalization ready
- Modern aesthetics increases the visual appeal of the panel
- RoHS compliant



Description	Type	Unit LP ₹
Single Phase Class 1 Energy Meter	7KT0010	5250.-

## SMART 7KT DC Energy Meter

NEW

### Power monitoring devices for DC applications

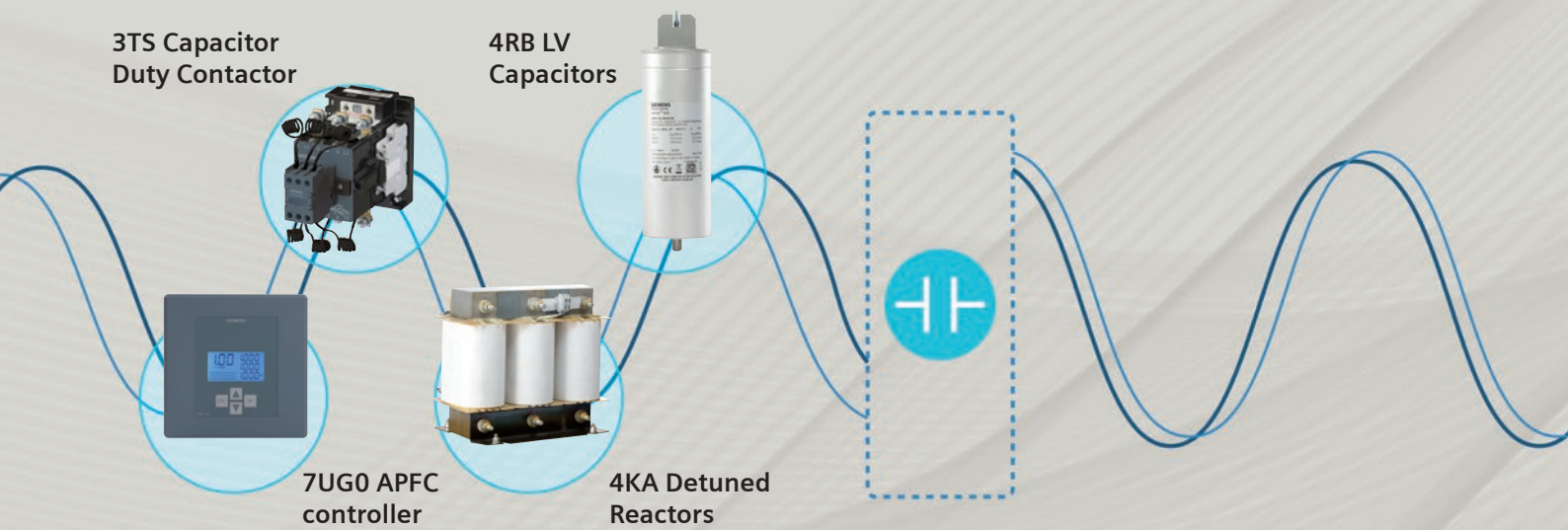
- Bi-direction (charging and discharging) current can be measured by the same device
- Time stamped data logging of events
- Load profile analysis
- Single meter measures energy consumption of four independent loads connected to one Voltage source.
- Configurable relay outputs for limit function, pulse output, alarm, etc.
- RoHS compliant



Description	Type	Unit LP ₹
Multichannel; Class 1; Main volt:10-60V DC; Aux volt: 60 - 300V AC/DC	7KT0810	POR
Multichannel; Class 1; Main volt:10-60V DC; Aux volt: 12 - 70V DC	7KT0811	
Multichannel; Class 1; Main volt:61 - 200V DC; Aux volt: 60 - 300V AC/DC	7KT0820	
Multichannel; Class 1; Main volt:61 - 200V DC; Aux volt:12 - 70V DC	7KT0821	
Multichannel; Class 1; Main volt:201 - 1000V DC; Aux volt: 60 - 300V AC/DC	7KT0830	
Multichannel; Class 1; Main volt:201 - 1000V DC; Aux volt: 12 - 70V DC	7KT0831	

## Accessories (external shunt for DC meter)

Description	Type	Unit LP ₹
External Shunt for DC meter/ 50A/75mV	7KT0911	POR
External Shunt for DC meter/ 100A/60mV	7KT0922	
External Shunt for DC meter/ 100A/75mV	7KT0923	
External Shunt for DC meter/ 150A/75mV	7KT0924	
External Shunt for DC meter/ 200A/60mV	7KT0925	



# Power Factor Correction

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

**SIEMENS**

# SIECAP™ LV Power Capacitors

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

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



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
440	5	4RB2050-3EE52-8K	2945.-	1
	6	4RB2060-3EE52-8K	2945.-	1
	7	4RB2070-3EE52-8K	3225.-	1
	7.5	4RB2075-3EE52-8K	3460.-	1
	8.3	4RB2083-3EE52-8K	3830.-	1
	9	4RB2090-3EE52-8K	4145.-	1
	10	4RB2100-3EE52-8K	4615.-	1
	12.5	4RB2125-3EE52-8K	4980.-	1
	15	4RB2150-3EE52-8K	5970.-	1
	16.7	4RB2167-3EE52-8K	6635.-	1
	20	4RB2200-3EE52-8K	7940.-	1
	20.8	4RB2208-3EE52-8K	8270.-	1
	25	4RB2250-3EE52-8K	9945.-	1
	28	4RB2280-3EE52-8K	11130.-	1
30	4RB2300-3EE52-8K	11935.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
480	5	4RB2050-3EJ52-8K	2710.-	1
	5.5	4RB2055-3EJ52-8K	3000.-	1
	8.3	4RB2083-3EJ52-8K	4000.-	1
	10.4	4RB2104-3EJ52-8K	5010.-	1
	11.1	4RB2111-3EJ52-8K	5110.-	1
	12.5	4RB2125-3EJ52-8K	5240.-	1
	13.8	4RB2138-3EJ52-8K	5780.-	1
	15	4RB2150-3EJ52-8K	6280.-	1
	16.7	4RB2167-3EJ52-8K	6985.-	1
	20.8	4RB2208-3EJ52-8K	8710.-	1
	25	4RB2250-3EJ52-8K	10460.-	1
	27.7	4RB2277-3EJ52-8K	11595.-	1
	30	4RB2300-3EJ52-8K	12560.-	1

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

For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.



Std. Pkg. = 1 unit

\* LP - List Price

# SIECAP™ LV Power Capacitors

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

- High pulse current withstand capability (up to 250.I<sub>N</sub>)
- Long life expectancy up to 130000 hrs
- Self healing type
- Inbuilt over pressure disconnecter
- Shock hazard protected SIGUT terminals



Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB2050-3EB53-8K	3610.-	1
	7.5	4RB2075-3EB53-8K	4795.-	1
	10.4	4RB2104-3EB53-8K	6655.-	1
	12.5	4RB2125-3EB53-8K	7220.-	1
	15	4RB2150-3EB53-8K	8670.-	1
	20	4RB2200-3EB53-8K	11555.-	1
	25	4RB2250-3EB53-8K	14445.-	1
440	5	4RB2050-3EE53-8K	3720.-	1
	7.5	4RB2075-3EE53-8K	4795.-	1
	10	4RB2100-3EE53-8K	6395.-	1
	12.5	4RB2125-3EE53-8K	7220.-	1
	15	4RB2150-3EE53-8K	8670.-	1
	20	4RB2200-3EE53-8K	11555.-	1
	25	4RB2250-3EE53-8K	14445.-	1
	28.1	4RB2281-3EE53-8K	16225.-	1
	30	4RB2300-3EE53-8K	17325.-	1

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	
480	5	4RB2050-3EJ53-8K	3720.-	1	
	6.3	4RB2063-3EJ53-8K	4160.-	1	
	8.3	4RB2083-3EJ53-8K	5480.-	1	
	10.4	4RB2104-3EJ53-8K	6230.-	1	
	11	4RB2110-3EJ53-8K	6590.-	1	
	12.5	4RB2125-3EJ53-8K	7480.-	1	
	13.8	4RB2138-3EJ53-8K	8260.-	1	
	15	4RB2150-3EJ53-8K	8975.-	1	
	16.7	4RB2167-3EJ53-8K	9990.-	1	
	18.7	4RB2187-3EJ53-8K	11185.-	1	
	20	4RB2200-3EJ53-8K	11975.-	1	
	22	4RB2220-3EJ53-8K	13155.-	1	
	25	4RB2250-3EJ53-8K	14950.-	1	
	28.1	4RB2281-3EJ53-8K	16810.-	1	
	30	4RB2300-3EJ53-8K	17940.-	1	
	525	5	4RB2050-3FC53-8K	3835.-	1
		6.3	4RB2063-3FC53-8K	4300.-	1
8.3		4RB2083-3FC53-8K	5655.-	1	
10.4		4RB2104-3FC53-8K	6435.-	1	
12.5		4RB2125-3FC53-8K	7745.-	1	
13.2		4RB2132-3FC53-8K	8175.-	1	
15		4RB2150-3FC53-8K	9280.-	1	
16.7		4RB2167-3FC53-8K	10350.-	1	
20		4RB2200-3FC53-8K	12375.-	1	
25		4RB2250-3FC53-8K	15470.-	1	
26.5		4RB2265-3FC53-8K	16400.-	1	
30		4RB2300-3FC53-8K	18570.-	1	
33.1		4RB2331-3FC53-8K	20480.-	1	

Power Factor Correction



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

For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.

Std. Pkg. = 1 unit

\* LP - List Price



# SIECAP™ LV Power Capacitors



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

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

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
415	5	4RB1050-3EB50-8K	4115.-	1
	6.3	4RB1063-3EB50-8K	4600.-	1
	7.5	4RB1075-3EB50-8K	5475.-	1
	10.4	4RB1104-3EB50-8K	7595.-	1
	12.5	4RB1125-3EB50-8K	8245.-	1
	15	4RB1150-3EB50-8K	9895.-	1
	20	4RB1200-3EB50-8K	13195.-	1
	25	4RB1250-3EB50-8K	16495.-	1
	28.1	4RB1281-3EB50-8K	18525.-	1
	30	4RB1300-3EB50-8K	19790.-	1
440	5	4RB1050-3EE50-8K	4245.-	1
	7.5	4RB1075-3EE50-8K	5475.-	1
	10	4RB1100-3EE50-8K	7305.-	1
	10.4	4RB1104-3EE50-8K	7595.-	1
	12.5	4RB1125-3EE50-8K	8245.-	1
	15	4RB1150-3EE50-8K	9895.-	1
	16.7	4RB1167-3EE50-8K	11015.-	1
	20	4RB1200-3EE50-8K	13195.-	1
	25	4RB1250-3EE50-8K	16495.-	1
	28.1	4RB1281-3EE50-8K	18525.-	1
480	5	4RB1050-3EJ50-8K	4245.-	1
	6.3	4RB1063-3EJ50-8K	4745.-	1
	8.3	4RB1083-3EJ50-8K	6260.-	1
	10.4	4RB1104-3EJ50-8K	7105.-	1
	11	4RB1111-3EJ50-8K	7525.-	1
	12.5	4RB1125-3EJ50-8K	8540.-	1
	13.8	4RB1138-3EJ50-8K	9440.-	1
	15	4RB1150-3EJ50-8K	10250.-	1
	16.7	4RB1167-3EJ50-8K	11405.-	1
	18.7	4RB1187-3EJ50-8K	12775.-	1
20	4RB1200-3EJ50-8K	13670.-	1	
22	4RB1220-3EJ50-8K	15025.-	1	
25	4RB1250-3EJ50-8K	17070.-	1	
28.1	4RB1281-3EJ50-8K	19195.-	1	
30	4RB1300-3EJ50-8K	20490.-	1	
31	4RB1310-3EJ50-8K	21180.-	1	
33	4RB1330-3EJ50-8K	22550.-	1	

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)
525	5	4RB1050-3FC50-8K	4375.-	1
	6.3	4RB1063-3FC50-8K	4910.-	1
	8.3	4RB1083-3FC50-8K	6455.-	1
	10.4	4RB1104-3FC50-8K	7350.-	1
	12.5	4RB1125-3FC50-8K	8840.-	1
	13.2	4RB1132-3FC50-8K	9335.-	1
	15	4RB1150-3FC50-8K	10600.-	1
	16.7	4RB1167-3FC50-8K	11815.-	1
	20	4RB1200-3FC50-8K	14130.-	1
	25	4RB1250-3FC50-8K	17665.-	1
690	26.5	4RB1265-3FC50-8K	18735.-	1
	30	4RB1300-3FC50-8K	21210.-	1
	33.1	4RB1331-3FC50-8K	23390.-	1
	5.3	4RB1053-3GK50-8K	3865.-	1
	6.9	4RB1068-3GK50-8K	5050.-	1
	10.4	4RB1104-3GK50-8K	7595.-	1
	12.5	4RB1125-3GK50-8K	9135.-	1
	14.6	4RB1146-3GK50-8K	10665.-	1
	20	4RB1200-3GK50-8K	14610.-	1
	25	4RB1250-3GK50-8K	18260.-	1

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

For information on less than 5 kvar and other kvar ratings at different voltages and frequency and use with detuned reactors, please contact your nearest Siemens Sales Office.

Std. Pkg. = 1 unit

\* LP - List Price

Power Factor Correction

# 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	19060.-
10kvar	5.67%	4KA1220-3AC01-0AA0	22615.-
12.5kvar	5.67%	4KA1220-4AC01-0AA0	26470.-
15kvar	5.67%	4KA1220-5AC01-0AA0	28595.-
20kvar	5.67%	4KA1220-6AC01-0AA0	30585.-
25kvar	5.67%	4KA1220-7AC01-0AA0	32725.-
5kvar	7%	4KA1220-1AA01-0AA0	19045.-
10kvar	7%	4KA1220-3AA01-0AA0	26125.-
12.5kvar	7%	4KA1220-4AA01-0AA0	28205.-
15kvar	7%	4KA1220-5AA01-0AA0	32570.-
20kvar	7%	4KA1220-6AA01-0AA0	34695.-
25kvar	7%	4KA1220-7AA01-0AA0	36510.-
50kvar	7%	4KA1220-2BA01-0AA0	65050.-
75kvar	7%	4KA1220-3BA03-0AA0	91225.-
100kvar	7%	4KA1220-4BA03-0AA0	114820.-
5kvar	14%	4KA1220-1AB01-0AA0	25075.-
12.5kvar	14%	4KA1220-4AB01-0AA0	42080.-
15kvar	14%	4KA1220-5AB01-0AA0	49270.-
20kvar	14%	4KA1220-6AB01-0AA0	59955.-
25kvar	14%	4KA1220-7AB01-0AA0	67415.-
50kvar	14%	4KA1220-2BB01-0AA0	109475.-
75kvar	14%	4KA1220-3BB03-0AA0	140055.-
100kvar	14%	4KA1220-4BB03-0AA0	203630.-

### Aluminium Detuned Reactors

Bank size	Detuning factor	Type	Unit LP* ₹
5kvar	5.67%	4KA1420-1AC01-0AA0	14160.-
10kvar	5.67%	4KA1420-3AC01-0AA0	18055.-
12.5kvar	5.67%	4KA1420-4AC01-0AA0	19785.-
15kvar	5.67%	4KA1420-5AC01-0AA0	23400.-
20kvar	5.67%	4KA1420-6AC01-0AA0	26680.-
25kvar	5.67%	4KA1420-7AC01-0AA0	27015.-
50kvar	5.67%	4KA1420-2BC01-0AA0	49155.-
5kvar	7%	4KA1420-1AA01-0AA0	15075.-
10kvar	7%	4KA1420-3AA01-0AA0	19395.-
12.5kvar	7%	4KA1420-4AA01-0AA0	21445.-
15kvar	7%	4KA1420-5AA01-0AA0	24175.-
20kvar	7%	4KA1420-6AA01-0AA0	25745.-
25kvar	7%	4KA1420-7AA01-0AA0	27535.-
50kvar	7%	4KA1420-2BA01-0AA0	47345.-
75kvar	7%	4KA1420-3BA03-0AA0	64325.-
100kvar	7%	4KA1420-4BA03-0AA0	84120.-
5kvar	14%	4KA1420-1AB01-0AA0	20520.-
10kvar	14%	4KA1420-3AB01-0AA0	30780.-
12.5kvar	14%	4KA1420-4AB01-0AA0	33495.-
15kvar	14%	4KA1420-5AB01-0AA0	39655.-
20kvar	14%	4KA1420-6AB01-0AA0	44025.-
25kvar	14%	4KA1420-7AB01-0AA0	53720.-
50kvar	14%	4KA1420-2BB01-0AA0	95035.-

Power Factor Correction



# 3TS Capacitor duty Contactors

Now in **NEW**  
TI - GREY

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

## Features and Benefits

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



Capacitor kVAr 415V, 3ph, 50Hz	Built-in aux. contacts	Type®	Unit LP ₹	Built-in aux. contacts	Type®	Unit LP ₹	Std. pkg. (nos.)
5 kvar <b>NEW</b>	1 NO	3TS2110-0A..5-8K†	2540.-				
7 kvar	1 NO	3TS1110-0A..5-8K†	2795.-				
10 kvar <b>NEW</b>	–	3TS2200-0A..5-8K†	3035.-	1NO+1NC	3TS2211-0A..5-8K	3480.-	
12.5 kvar	–	3TS1200-0A..5-8K†	3110.-	1NO+1NC	3TS1211-0A..5-8K	3555.-	1
16 kvar	–	3TS1300-0A..5-8K†	4275.-	1NO+1NC	3TS1311-0A..5-8K	4715.-	1
20 kvar	–	3TS1400-0A..5-8K†	4815.-	1NO+1NC	3TS1411-0A..5-8K	5245.-	1
25 kvar	–	3TS1500-0A..5-8K†	5560.-	1NO+1NC	3TS1511-0A..5-8K	6010.-	1
30 kvar <b>NEW</b>	–	3TS2500-0A..5-8K†	8665.-	1NO+1NC	3TS2511-0A..5-8K	9110.-	1
40 kvar <b>NEW</b>	2 NO + 2 NC	3TS2722-0A..5-8K	14700.-				
50 kvar	2 NO + 2 NC	3TS1722-0A..5-8K	17210.-				

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

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

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

Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	■ 3TX4010-2A	245.-	10
	1NC	■ 3TX4001-2A	245.-	10

# 3MT7 Capacitor Duty Contactors **NEW**

Capacitor kVar 440V AC, 3Ph, 50Hz	Built-in aux. contacts	Type	Unit LP ₹	Std. pkg. (nos.)
60kVAr	1NO+2NC	3MT70060JA126A..	18290.-	1
80kVAr	1NO+2NC	3MT70080JA126A..	22455.-	1
100kVAr	1NO+2NC	3MT70100JA126A..	23335.-	1

Please add coil code from adjacent table

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

Refer Page No 41 for Capacitor Duty Contactor Spares

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

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



# Automatic Power Factor Correction Relay (APFC relay)

## Features

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



for more info scan QR code



7UG0572-1GT20

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display	7UG0571-1FT20	23345.-
	12 Stage with LCD display	7UG0572-1GT20	25005.-
	12 stage with LED display	7UG0572-1GT21	14300.-



# Siemens Reyrolle Protection Relays

Relays for every application

## Applications

- Feeder Protection
- Motor Protection
- Transformer Protection

## Features

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

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

**SIEMENS**

# Portfolio Overview

Feeder Protection

Non-Directional  
Fixed



7SR1002 / 3

Directional  
Fixed



7SR1004

Non-Directional  
Drawout



7SR11

Directional  
Drawout



7SR12

Motor Protection

Non-Directional | Fixed



7SR105

Directional | Drawout



7SR17

Transformer Protection

Directional | Drawout

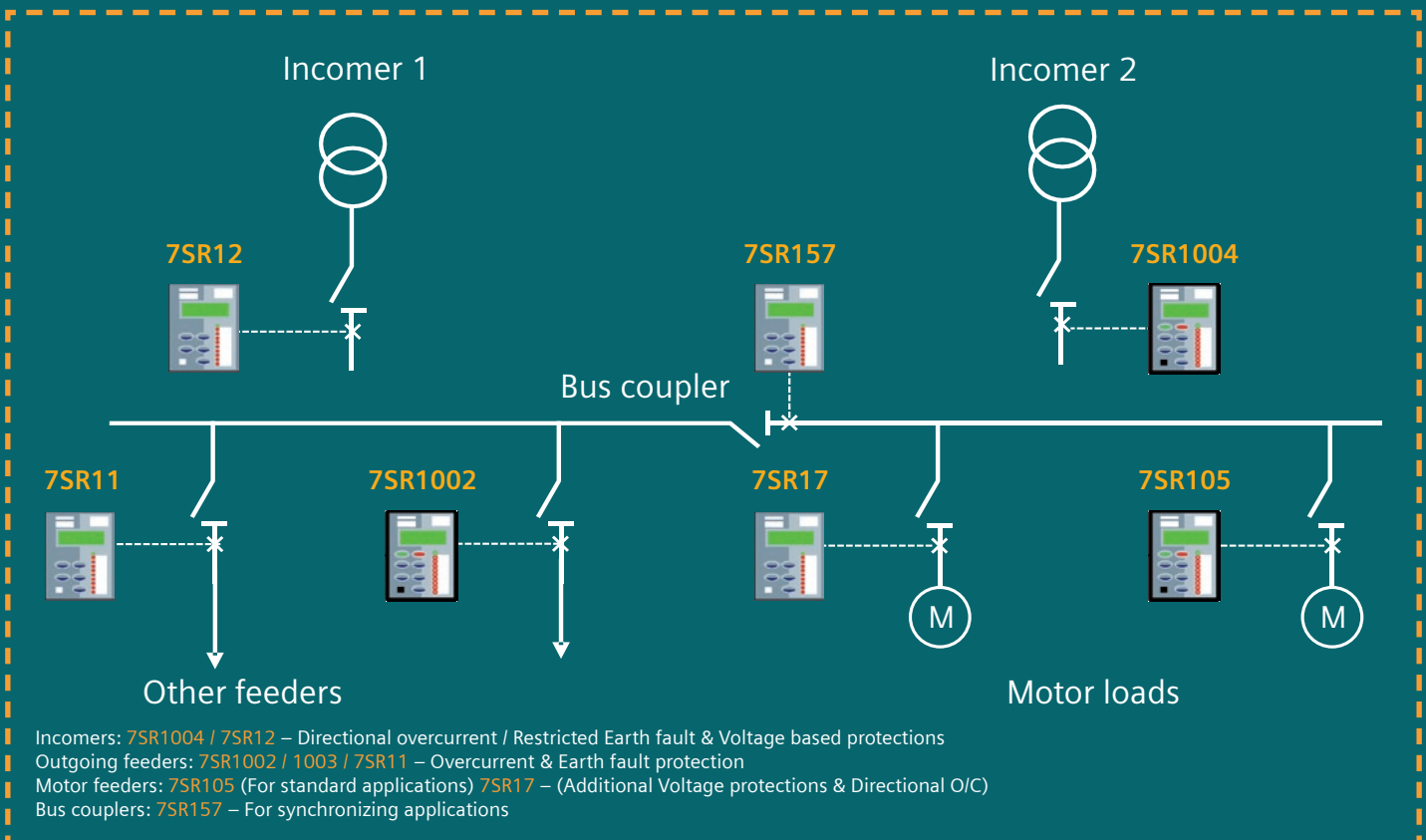


7SR242

Check synchronizing



7SR157



## 7SR Numerical Relays

	Description	Type *	Unit LP ₹
Feeder Protection	Non Drawout   Non Directional overcurrent relay   6 BI 6 BOs   Measuring current input: 1/5A   Auxiliary voltage: 60 to 240V AC/DC   BI Threshold: 44V AC/DC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 46BC, 46NPS, 49, 50, 51, 50G/N, 51G/N, 50/51 SEF, 74T/CCS, 81THD, 86	7SR1003-1LA20-2CA0	94635.-
	Non Drawout   Directional overcurrent relay   9 BI 6 BOs   Measuring current input: 1/5A with SEF input   Auxiliary voltage: 60 to 240V AC/DC   BI Threshold: 88V AC/DC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 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	163960.-
	Drawout   Non Directional overcurrent relay   6 BI 8 BOs   Measuring current input: 1/5A   Auxiliary voltage: 100 to 230V AC/24 -250VDC   BI Threshold: 19VDC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 46BC, 46NPS, 49, 50, 50AFD, 50BF, 51, 50G/N, 51G/N, 64H, 74T/CCS, 86	7SR1103-1MA12-1CA0	159770.-
	Drawout   Directional overcurrent relay   6 BI 8 BOs   Measuring current input: 1/5A   Auxiliary voltage: 100 to 230V AC/24 -250VDC   BI Threshold: 19VDC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 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	178215.-
Motor Protection	Non Drawout   Motor Protection Relay   6 BI 6 BOs   Measuring current input: 1/5A   Auxiliary voltage: 60 to 240V AC/DC   BI Threshold: 44V AC/DC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 14, 37, 46, 46PhRev, 48/66, 49, 50/51, 50G/N, 51G/N, 50BCL, 50BF, 74T/CCS, 81B	7SR1053-2LA21-2EA0	137360.-
	Drawout   Motor Protection Relay   3 BI 5 BOs   Measuring current input: 1/5A with SEF input   Auxiliary voltage: 100 to 230V AC/24 -250VDC   BI Threshold: 19VDC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 14, 37, 46, 46PhRev, 48/66, 49, 50, 51, 50G/N, 51G/N, 50BF, 50BCL, 60CTS, 74T/CCS, 81B	7SR1702-3MA12-1CA0	211995.-
	Drawout   Motor Protection Relay   6 BI 8 BOs 4CT 3VT   Measuring current input: 1/5A with SEF input   Auxiliary voltage: 100 to 230V AC/24 -250VDC   BI Threshold: 19VDC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 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	226135.-
Transformer Protection	Drawout   Transformer Protection Relay   9 BI 6 BOs 8CT 1VT   Measuring current input: 1/5A   Auxiliary voltage: 100 to 230V AC/24 -250VDC   BI Threshold: 19VDC   Communication: Front USB, RS485 supporting IEC 60870-5-103 /Modbus RTU/DNP 3.0 Protection Functions: 81HBL2, 81HBL5, 87BD, 87HS, 49, 50, 51, 50G/N, 51G/N, 50BF, 64H, 74TCS/CCS, 37/37G, 46BC, 46NPS	7SR2422-2MA12-0BA0	471935.-

\* For more options on control voltage, BI/BOs, Communication protocols or protection functions please contact your nearest Siemens Sales 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	12150.-
	Auxiliary relay Single Element with self reset contacts with flag, 220V DC, 3NO+2CO, Low burden	7PJ1111-7DA20-0AA0	12150.-
	Auxiliary relay Single Element with self reset contacts without flag, 110V DC, 3NO+2CO, Low burden	7PJ1114-6DA20-0AA0	12150.-
	Auxiliary relay Single Element with self reset contacts without flag, 220V DC, 3NO+2CO, Low burden	7PJ1114-7DA20-0AA0	12150.-
	Auxiliary relay Three Element, hand reset with flag, 110V DC, 2NO, Low burden	7PJ1132-6CA00-0AA0	24405.-
	Auxiliary relay Three Element, hand reset with flag, 220V DC, 2NO, Low burden	7PJ1132-7CA00-0AA0	24405.-
Trip Relays	Trip relay with hand reset contacts with flag, DC 110V, 4NO+1NC, high burden	7PJ1212-6EB01-0AA0	12150.-
	Trip relay with hand reset contacts with flag, DC 220V, 4NO+1NC, high burden	7PJ1212-7EB01-0AA0	12150.-
	TCS relay, 2CO, SR, Aux 24-240VAC/DC, BI 24-240VDC	7PJ1321-5AA21-0AA0	22285.-



# The safe choice — **now made smarter**

SENTRON circuit protection devices with  
communication and measuring function





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

**SIEMENS**

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

# 1 MW (Module Width) = 18 mm

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



# Geared to act **FAST!**

## Siemens range of fuses

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

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

Siemens Fuses offer:

- High switching capacity
- Compact Design
- Low Watt Losses

With Siemens fuses - protection is Easy, Safe and Reliable

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

**SIEMENS**

# HRC fuses (DIN) 3NA

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



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

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
000	2	3NA78020RC	485.-	1/6
	4	3NA78040RC	485.-	1/6
	6	3NA78010RC	485.-	1/6
	10	3NA78030RC	485.-	1/6
	16	3NA78050RC	490.-	1/6
	20	3NA78070RC	490.-	1/6
	25	3NA78100RC	490.-	1/6
	32	3NA78120RC	490.-	1/6
	40	3NA78170RC	515.-	1/6
	50	3NA78200RC	515.-	1/6
	63	3NA78220RC	570.-	1/6
	80	3NA78240RC	625.-	1/6
	100	3NA78300RC	625.-	1/6
	00	125	3NA78320RC	750.-
160		3NA78360RC	795.-	1/6
50		3NA71200RC	1085.-	1/3
63		3NA71220RC	1085.-	1/3
1	80	3NA71240RC	1085.-	1/3
	100	3NA71300RC	1085.-	1/3
	125	3NA71320RC	1135.-	1/3
	160	3NA71360RC	1170.-	1/3
	200	3NA71400RC	1170.-	1/3
	224	3NA71420RC	1215.-	1/3
	250	3NA71440RC	1315.-	1/3
2	200	3NA72400RC	1615.-	1/3
	250	3NA72440RC	1680.-	1/3
	315	3NA72520RC	1740.-	1/3
3	400*	3NA72600RC	1740.-	1/3
	315	3NA33520RC	2475.-	1/3
	400	3NA33600RC	2475.-	1/3
	500	3NA33650RC	2765.-	1/3
	630	3NA33720RC	2830.-	1/3
	800*	3NA33754RC	3445.-	1/3

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

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

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	40	3NA78176RC	700.-	1/6
	50	3NA78206RC	700.-	1/6
	63	3NA78226RC	750.-	1/6
	80	3NA78246RC	795.-	1/6
1	100	3NA78306RC	795.-	1/6
	125	3NA71326RC	1395.-	1/3
	160	3NA71366RC	1450.-	1/3
2	200	3NA71406RC	1450.-	1/3
	250	3NA72446RC	1915.-	1/3
3	315	3NA72526RC	2060.-	1/3
	400	3NA33606RC	3070.-	1/3
	425	3NA33626RC	3070.-	1/3
500	3NA33656RC	3280.-	1/3	

## Isolating links (DIN)

Size	Rated current (A)	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00	160	3NG1000	550.-	1
1	250	3NG1250	830.-	1
2	400	3NG1300	1355.-	1
3	630	3NG1400	1400.-	1



## Fuse bases (DIN)

Size	Rated current (A)	Suitable for fuse link type	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
00/000	160	3NA7 8	3NH3030-ORC (Screw-in)	670.-	1/10
00/000	160	3NA7 8	3NH3032-ORC (Plug in)	715.-	1/10
1	250	3NA7 1	3NH3230-ORC	1345.-	1/5
2	400	3NA7 2	3NH3330-ORC	1900.-	1/5
3	630	3NA3 3	3NH3430-ORC	2740.-	1/5
3	800	3NA3 3	3NH3430-4RC	3245.-	1/5



## Fuse puller

Description	Type	Unit MRP <sup>®</sup> ₹	Std. pkg.** (nos.)
Suitable for 3KL8 and all sizes of fuse links/isolating links	3NX1011	3285.-	1
Suitable only for fuse links and isolating links	3NX1010	1370.-	1



## LV HRC contact covers

Size	Type	Unit LP* ₹	Std. pkg.** (nos.)
00/000	3NX3115	750.-	1/10
00/000	3NX3116	465.-	1/10



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

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

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

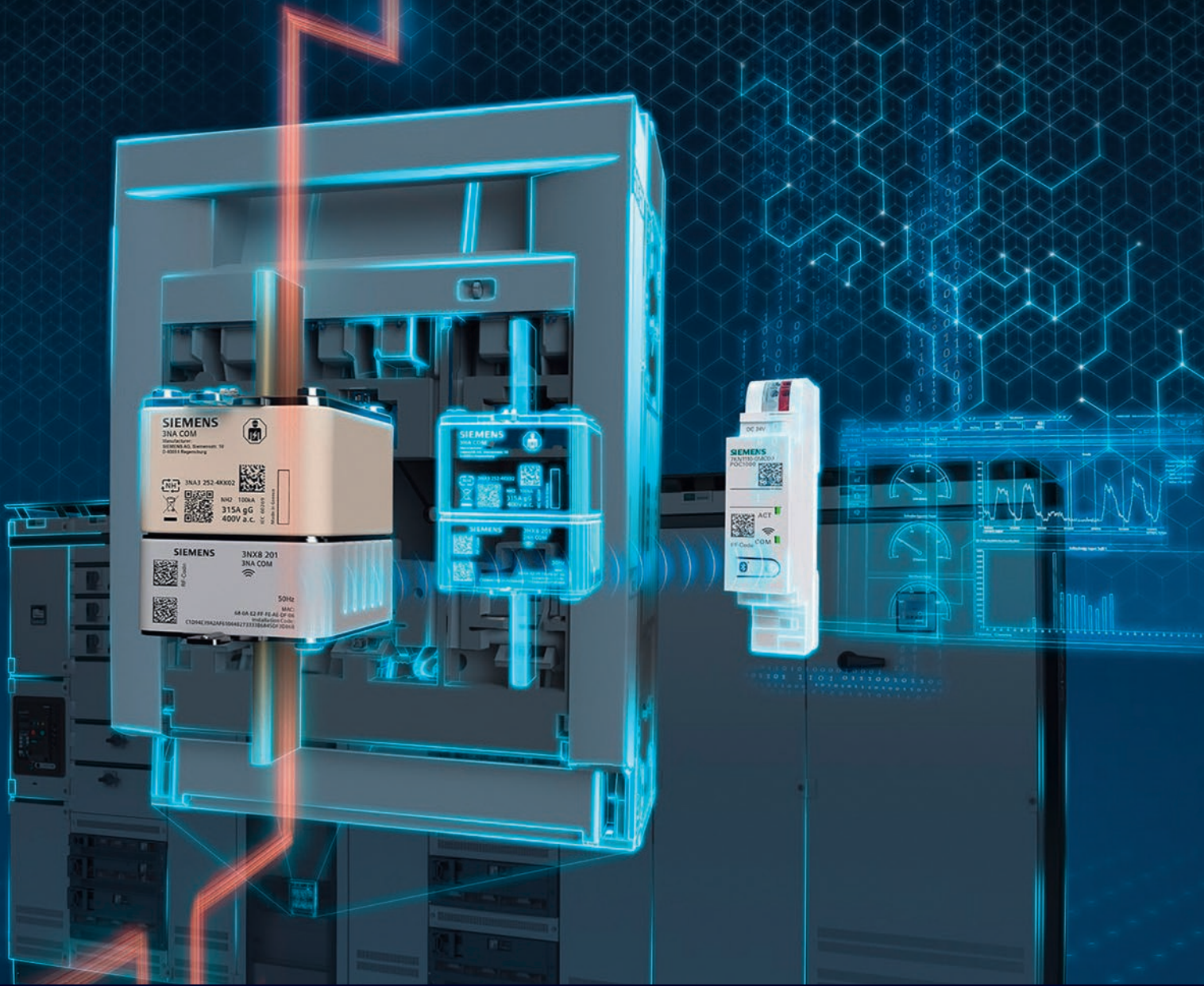


## 690V AC, S.C. breaking capacity 120kA

Size	Rated current (A)	Type	Unit LP* ₹
000	2A	3NA78026	POR
	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, please contact your nearest Siemens Sales Office for further details  
 POR: Price On Request

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



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

NEW

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

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

Communication Capable Fuse Link offers:

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

With Siemens fuses - protection is Easy, Safe and Reliable

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

**SIEMENS**

# SENTRON COM LV HRC fuses (DIN) 3NA

NEW

- 3NA COM LV HRC fuse links, Size 2 With communication and metering function
- Standards: In accordance with IEC 60269-1/-2; EN 60269-1/-2; DIN VDE 0636-1/-2
- Class gG, Size 2
- Breaking capacity 100kA (AC)
- CE Marked

## 3NA COM LV HRC fuse links with integrated Electronic Module

Rated Voltage (V)	Rated Current (A)	Type	Utilization category	DIN Size	Unit LP® ₹	Std. pkg.** (nos.)
400	100 A	3NA32304KK01	gG	2	POR	1
	125 A	3NA32324KK01				
	160 A	3NA32364KK01				
	200 A	3NA32404KK01				
	224 A	3NA32424KK01				
	250 A	3NA32444KK01				
	315 A	3NA32524KK01				



## 3NA COM LV HRC fuse links without# integrated Electronic Module

Rated Voltage (V)	Rated Current (A)	Type	Utilization category	DIN Size	Unit LP® ₹	Std. pkg.** (nos.)
400	100 A	3NA32304KK02	gG	2	POR	1
	125 A	3NA32324KK02				
	160 A	3NA32364KK02				
	200 A	3NA32404KK02				
	224 A	3NA32424KK02				
	250 A	3NA32444KK02				
	315 A	3NA32524KK02				



## Electrical module

Type	Description	Unit LP® ₹	Std. pkg.** (nos.)
3NX8201	Electronic Module for Smart Fuse	POR	1

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

\* LP - List Price                      POR: Price On Request

# For communication to be used with 3NX8201



Fuses

# 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	135.-	20
4	■ 3NWN54	135.-	20
6	■ 3NWN56	135.-	20
10	■ 3NWN510	135.-	20
16	■ 3NWN516	135.-	20
20	■ 3NWN520	160.-	20
25	■ 3NWN525	160.-	20
32	■ 3NWN532	160.-	20

## Offset tag

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
2	3NWTIA2	195.-	20
4	3NWTIA4	195.-	20
6	3NWTIA6	195.-	20
10	■ 3NWTIA10	215.-	20
16	■ 3NWTIA16	215.-	20
20	■ 3NWTIA20	215.-	20
25	■ 3NWTIA25	215.-	20
32	■ 3NWTIA32	215.-	20
40	3NWTIS40	295.-	20
50	■ 3NWTIS50	295.-	20
63	■ 3NWTIS63	295.-	20
80	3NWTCP80	765.-	10
100	■ 3NWTCP100	765.-	10
125	3NWTFP125	1550.-	5
160	3NWTFP160	1550.-	5
200	3NWTFP200	1550.-	5

## Central tag

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWT80	820.-	10
100	3NWT100	820.-	10
125	3NWT125	1695.-	5
160	3NWT160	1695.-	5
200	3NWT200	1695.-	5
250	3NWT250	2340.-	1
315	3NWT315	2340.-	1
355	3NWT355	2725.-	1
400	3NWT400	2725.-	1
500	3NWT500	4290.-	1
630	3NWT630	5220.-	1
710	3NWT710	5965.-	1
800	3NWT800	5965.-	1

## Offset tag

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
6	3NWTSA6	160.-	20
10	3NWTSA10	160.-	20
16	3NWTSA16	160.-	20
20	3NWTSA20	160.-	20
25	3NWTSA25	160.-	20
32	3NWTSA32	160.-	20
36	3NWTSS36	320.-	20
40	3NWTSS40	320.-	20
50	3NWTSS50	320.-	20
63	3NWTSS63	320.-	20
80	3NWTSDS80	605.-	20
100	3NWTSDS100	605.-	20
125	3NWTSP125	760.-	5
160	3NWTSP160	825.-	5
200	3NWTSP200	760.-	5

## Central tag

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
80	3NWTSDC80	730.-	10
100	3NWTSDC100	730.-	10
125	3NWTSF125	765.-	5
160	3NWTSF160	765.-	5
200	3NWTSF200	765.-	5
250	3NWTSK250	1835.-	1
315	3NWTSK315	1835.-	1
355	3NWTSM355	3060.-	1
400	3NWTSM400	3060.-	1
450	3NWTST450	2540.-	1
500	3NWTST500	2540.-	1
560	3NWTSL560	4850.-	1
630	3NWTSL630	4110.-	1
800	3NWTSL800	5935.-	1

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

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
32	3NWC32F9	2945.-	10
63	3NWC63F9	3455.-	10
100	3NWC100F9	3810.-	10

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

Rated current (A)	Type	Unit MRP* ₹	Std. pkg.** (nos.)
20	■ 3NW20NNSF	310.-	10
32	■ 3NW32NNSF	390.-	10
32A (Iso. Link)	■ 3NW32NNSL	170.-	10

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

■ Stock items

\* MRP - Maximum Retail Price

Please order in multiples of standard packing.

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

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



## 3NE4 type

Rated voltage (V)	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
1000	32	3NE4101	gR	0	3360.-	3
	40	3NE4102	gR	0	3370.-	3
	50	3NE4117	gR	0	3540.-	3
	80	3NE4120	aR	0	3825.-	3
	100	3NE4121	aR	0	4195.-	3
	125	3NE4122	aR	0	4505.-	3
	160	3NE4124	aR	0	4960.-	3



## 3NE9 type 600 V AC

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
850	3NE94406	gR	-	39785.-	3
1250	3NE9450	aR	-	37495.-	3

Rated voltage (V)	Rated current (A)	Type	Utilization category	DIN size	Unit LP* ₹	Std. pkg.** (nos.)
800	250	3NE43276	aR	-	8930.-	1
	315	3NE43306	aR	-	9220.-	1
	450	3NE43336	aR	-	9635.-	1
	500	3NE43346	aR	-	9715.-	1
	710	3NE43376	aR	-	10865.-	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	8400.-	3
20	3NE18140	gS	000	8400.-	3
25	3NE18150	gS	000	8400.-	3
35	3NE18030	gS	000	8400.-	3
40	3NE18020	gS	000	8400.-	3
50	3NE18170	gS	000	8400.-	3
63	3NE18180	gS	000	8400.-	3
80	3NE18200	gS	000	8400.-	3
100	3NE10210	gS	00	10845.-	3
125	3NE10220	gS	00	10845.-	3
160	3NE12240	gS	1	25630.-	3
200	3NE12250	gS	1	25630.-	3
250	3NE12270	gS	1	26915.-	3
315	3NE12300	gS	1	28865.-	3
350	3NE13310	gS	2	35840.-	3
400	3NE13320	gS	2	36150.-	3
450	3NE13330	gS	2	36375.-	3
500	3NE13340	gS	2	36920.-	3
560	3NE14350	gS	3	37125.-	3
630	3NE14360	gS	3	38730.-	3
710	3NE14370	gS	3	41330.-	3
800	3NE14380	gS	3	47190.-	3



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

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
25	3NE80151	gR	00	7125.-	3
35	3NE80031	gR	00	7125.-	3
50	3NE80171	gR	00	7125.-	3
63	3NE80181	gR	00	7125.-	3
80	3NE80201	aR	00	7905.-	3
100	3NE80211	aR	00	8275.-	3
125	3NE80221	aR	00	8400.-	3
160	3NE80241	aR	00	9220.-	3
200	3NE12252	gR	1	23320.-	3
250	3NE12272	gR	1	24110.-	3
315	3NE12302	gR	1	24940.-	3
350	3NE13312	gR	2	33010.-	3
400	3NE13322	gR	2	42395.-	3
450	3NE13332	gR	2	35470.-	3
500	3NE13342	gR	2	36865.-	3
560	3NE14352	gR	3	45805.-	3
630	3NE14362	gR	3	47525.-	3
670	3NE14472	gR	3	48565.-	3
710	3NE14372	gR	3	50645.-	3
800	3NE14382	gR	3	54425.-	3
850	3NE14482	gR	3	59240.-	3



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

Rated current (A)	Type	Utilization category	Size	Unit LP* ₹	Std. pkg.** (nos.)
20	3NE87141	gR	000	POR	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 your nearest Siemens Sales Office.

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

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

■ Stock items

\* LP - List Price

Please order in multiples of standard packing.

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



**3NE3 type**  
1000 V AC

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
100	3NE3221	aR	1	19090.-	3
125	3NE3222	aR	1	19640.-	3
160	3NE3224	aR	1	19640.-	3
200	3NE3225	aR	1	21615.-	3
250	3NE3227	aR	1	22185.-	3
315	3NE32300B	aR	1	23100.-	3
350	3NE3231	aR	1	27425.-	3
400	3NE32320B	aR	1	29375.-	3
450	3NE3233	aR	1	30425.-	3
400	3NE33320B	aR	2	29660.-	3
450	3NE3333	aR	2	31235.-	3
500	3NE33340B	aR	2	31820.-	3
560	3NE3335	aR	2	33020.-	3
630	3NE3336	aR	2	34595.-	3
710*	3NE33378	aR	2	47375.-	3
800*	3NE33388	aR	2	48685.-	3
900*	3NE33408	aR	2	57995.-	3

Rated current (A)	Type	Utilization category	DIN Size	Unit LP* ₹	Std. pkg.** (nos.)
630	3NC33361U	aR	3	POR	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	43895.-	3
200	3NC84253C	gR	3	30625.-	3
250	3NC84273C	gR	3	35020.-	3
350	3NC84313C	gR	3	36105.-	3
500	3NC84343C	gR	3	39020.-	3
1000*	3NC84443C	aR	3	70905.-	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	56050.-	2
224	3NE54260C	aR	3	61320.-	2
250	3NE56270C	aR	3	56885.-	3
315	3NE54300C	aR	3	58575.-	2
350	3NE54310C	aR	3	64295.-	2
450	3NE56330C	aR	3	63840.-	3
600	3NE56430C	aR	3	75965.-	3

**3NE7 type**  
2000 V AC

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

## Fuse bases for SITOR fuses

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

Version mm	For fuse series	$I_n$ (A)	$U_n$ (V AC / V DC)	Con-nection bolt	Type	Unit LP* ₹	Std. pkg. (nos.)
75	3NC18	50	690	M5	3NH5723	POR	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		1/3
	3NE53, 3NE56	630	1800	M10	3NH5473		1/3

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

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

\* LP - List Price      POR: Price On Request

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



# Cylindrical Fuses (3NW)

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

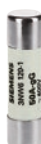


## Cylindrical Fuse, Size 10 x 38

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)		
0.5A	10 x 38	500	3NW60001	630.-	1/10		
1A			3NW60111	630.-	1/10		
2A			3NW60021	630.-	1/10		
4A			3NW60041	630.-	1/10		
6A			3NW60011	630.-	1/10		
8A			3NW60081	630.-	1/10		
10A			3NW60031	630.-	1/10		
12A			3NW60061	630.-	1/10		
16A			3NW60051	630.-	1/20		
20A			3NW60071	630.-	1/20		
25A			3NW60101	630.-	1/20		
32A			3NW60121	630.-	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	705.-	1/10
6A			3NW61011	705.-	1/10
8A			3NW61081	705.-	1/10
10A			3NW61031	705.-	1/10
12A			3NW61061	705.-	1/10
16A			3NW61051	705.-	1/10
20A			3NW61071	705.-	1/10
25A			3NW61101	705.-	1/10
32A			3NW61121	830.-	1/10
40A			3NW61171	830.-	1/10
50A	3NW61201	830.-	1/10		
	500				



## Cylindrical Fuse, Size 22 x 58

Rated Current (A)	Size	Voltage (V)	Type	Unit LP* ₹	Std. pkg.** (nos.)
16A	22 x 58	690	3NW62051	1220.-	1/10
20A			3NW62071	1220.-	1/10
25A			3NW62101	1220.-	1/10
32A			3NW62121	1220.-	1/10
40A			3NW62171	1345.-	1/10
50A			3NW62201	1345.-	1/10
63A			3NW62221	1345.-	1/10
80A			3NW62241	1345.-	1/10
100A			3NW62301	1485.-	1/10
			500		



## Cylindrical Fuse holders

No of Poles	Size	Rating (A)	MW	Type	Unit LP* ₹	Std. pkg.** (nos.)
1P	10 x 38	32A	1	3NW7013	1125.-	1/1
	14 x 51	50A	1.5	3NW7111	3580.-	1/1
	22 x 58	100A	2	3NW7211	5855.-	1/1
1+N	10 x 38	32A	1	3NW7053	2305.-	1/1
	14 x 51	50A	3	3NW7151	7410.-	1/1
	22 x 58	100A	4	3NW7251	12000.-	1/1
2P	10 x 38	32A	2	3NW7023	2260.-	1/1
	14 x 51	50A	3	3NW7121	7135.-	1/1
	22 x 58	100A	4	3NW7221	10105.-	1/1
3P	10 x 38	32A	3	3NW7033	3395.-	1/1
	14 x 51	50A	4.5	3NW7131	10695.-	1/1
	22 x 58	100A	6	3NW7231	15065.-	1/1

\* LP - List Price

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

### Fuse Systems Available

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

For more details please contact your nearest Siemens 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 Siemens Sales Office.





# 5SD Surge Protection Devices

## Safe & Reliable

Surge Protection Devices are available in the following types:

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

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

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

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



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



Field devices and sensors  
→ "Things"



**SENTRON**  
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7KN Powercenter 3000



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## Intelligent power distribution management

**Secure. Scalable. Customizable.**

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



On-site or cloud-based data visualization and analysis



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



Energy transparency and efficiency without compromising security



Reduce unplanned downtime with condition monitoring

# Insights Hub



Watts



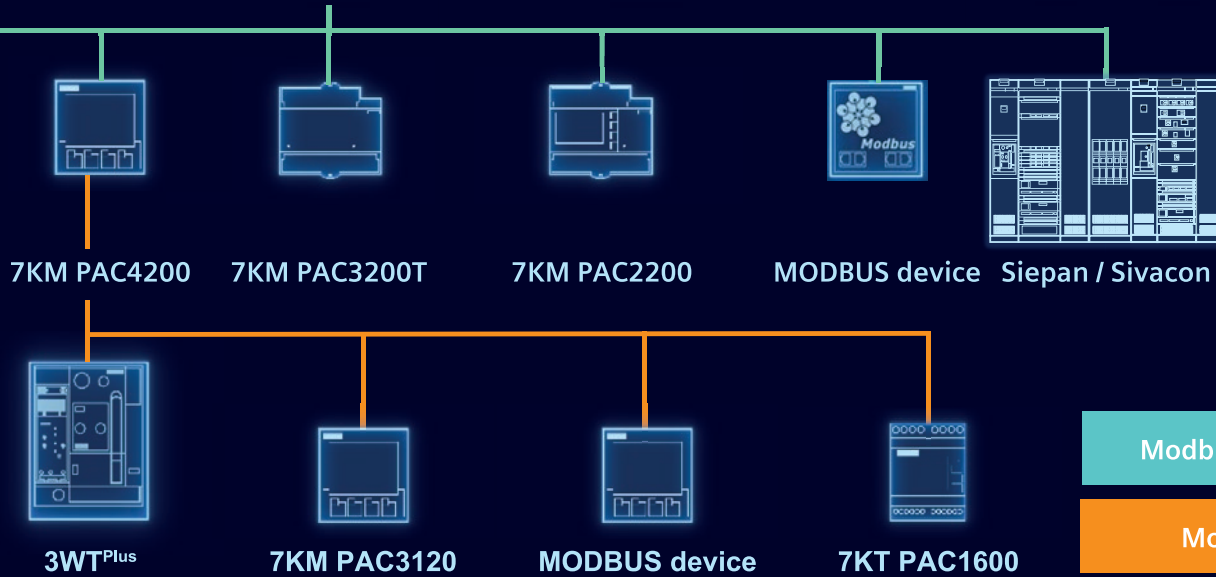
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**SIEMENS**

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

Suitable for IE2 motors

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

## Direct-on-line feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker		Contactor		Bi-relay	
			MCCB	Rated current In (A)	Type	Amp	Type	Range (A)
75	134	50kA	3VM1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110 - 160
90	160	50kA	3VM1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140 - 200
110	190	50kA	3VM1325-5MH32-0AA0	250	3RT1064	225	3RU2166-5FB10-8K	180 - 250
132	228	50kA	3VM1325-5MH32-0AA0	250	3RT1065	265	3RU2166-5GB10-8K	220 - 320
160	269	50kA	3VM1332-5MH32-0AA0	320	3RT1066	300	3RU2166-5GB10-8K	220 - 320
200	335	50kA	3VM1440-5MH32-0AA0	400	3RT1075	400	3RU2176-5HB10-8K	280 - 400
250	418	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	134	78	50kA	3VM1216-5MH32-0AA0	160	3RT1054	115	3RT2037	65	3RU2156-5BB10-8K	70 - 100
90	160	93	50kA	3VM1220-5MH32-0AA0	200	3RT1055	150	3RT2038	80	3RU2156-5BB10-8K	70 - 100
110	190	110	50kA	3VM1325-5MH32-0AA0	250	3RT1056	185	3RT2046	95	3RU2156-5CB10-8K	90 - 125
132	228	132	50kA	3VM1325-5MH32-0AA0	250	3RT1056	185	3RT1054	115	3RU2156-5DB10-8K	110 - 160
160	269	156	50kA	3VM1332-5MH32-0AA0	320	3RT1064	225	3RT1054	115	3RU2156-5EB10-8K	140 - 200
200	335	194	50kA	3VM1440-5MH32-0AA0	400	3RT1065	265	3RT1055	150	3RU2166-5FB10-8K	180 - 250
250	418	243	50kA	3VM1450-5MH32-0AA0	500	3RT1066	300	3RT1056	185	3RU2166-5GB10-8K	220 - 320

Note: For ratings below 75kW, with SCPD 3RV MPCB, please refer to Low Voltage Control Products Price List or please contact your nearest Siemens Sales Office.

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

Suitable for IE3 motors

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

## Direct-on-line feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Breaking Capacity Iq	Circuit Breaker		Contactor		Bi-relay	
			MCCB	Rated current In (A)	Type	Rating (A)	Type	Range (A)
37	64	50kA	3VA1180-5MH32-0AA0	80	3RT2038	80	3RU2136-4KB0	62...73
45	77	50kA	3VA1110-5MH32-0AA0	100	3RT2046	95	3RU2146-4LB0	70...90
55	94	50kA	3VA1112-5MH32-0AA0	125	3RT1054	115	3RU2156-5CB10-8K	90...125
75	132	50kA	3VA1216-5MH32-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110-160
90	155	50kA	3VA1220-5MH32-0AA0	200	3RT1056	185	3RU2156-5EB10-8K	140-200
110	186	50kA	3VA1325-5MH32-0AA0	250	3RT1064	225	3RU2166-5EB10-8K	140-200
132	220	50kA	3VA1325-5MH32-0AA0	250	3RT1065	265	3RU2166-5FB10-8K	180-250
160	267	50kA	3VA1332-5MH32-0AA0	320	3RT1075	400	3RU2166-5GB10-8K	220-320
200	332	50kA	3VA1440-5MH32-0AA0	400	3RT1075	400	3RU2176-5HB10-8K	280-400
250	416	50kA	3VA1450-5MH32-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350-500

## Star-Delta feeder

kW 415V, 3ph, 50/60 Hz	Rated current IL (A)	Phase Current Iph (A)	Breaking Capacity Iq	Circuit Breaker		Contactor (Line/ Delta)		Contactor (Star)		Bi-relay	
				MCCB	Rated current In (A)	Type	Rating (A)	Type	Rating (A)	Type	Range (A)
37	64	37	50kA	3VA1180-5MH32-0AA0	80	3RT2037	65	3RT2027	32	3RU2136-4GB0	36...45
45	77	45	50kA	3VA1110-5MH32-0AA0	100	3RT2038	80	3RT2035	40	3RU2136-4HB0	40...50
55	94	54	50kA	3VA1112-5MH32-0AA0	125	3RT2038	80	3RT2036	50	3RU2136-4QB0	47...57
75	132	76	50kA	3VA1216-5MH32-0AA0	160	3RT1054	115	3RT2037	65	3RU2156-5BB10-8K	70-100
90	155	90	50kA	3VA1220-5MH32-0AA0	200	3RT1055	150	3RT2038	80	3RU2156-5BB10-8K	70-100
110	186	108	50kA	3VA1325-5MH32-0AA0	250	3RT1056	185	3RT2046	95	3RU2156-5CB10-8K	90-125
132	220	128	50kA	3VA1325-5MH32-0AA0	250	3RT1056	185	3RT1054	115	3RU2156-5DB10-8K	110-160
160	267	155	50kA	3VA1332-5MH32-0AA0	320	3RT1064	225	3RT1054	115	3RU2156-5EB10-8K	140-200
200	332	193	50kA	3VA1440-5MH32-0AA0	400	3RT1065	265	3RT1055	150	3RU2166-5FB10-8K	180-250
250	416	241	50kA	3VA1450-5MH32-0AA0	500	3RT1066	300	3RT1056	185	3RU2166-5GB10-8K	220-320

Note: For ratings below 37kW, with SCPD 3RV MPCB, please refer to Low Voltage Control Products Price List or please contact your nearest Siemens Sales Office.

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

Suitable for IE2 motors

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

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

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

## Star-Delta feeder, for Low LCC

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



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

Suitable for IE2 motors

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

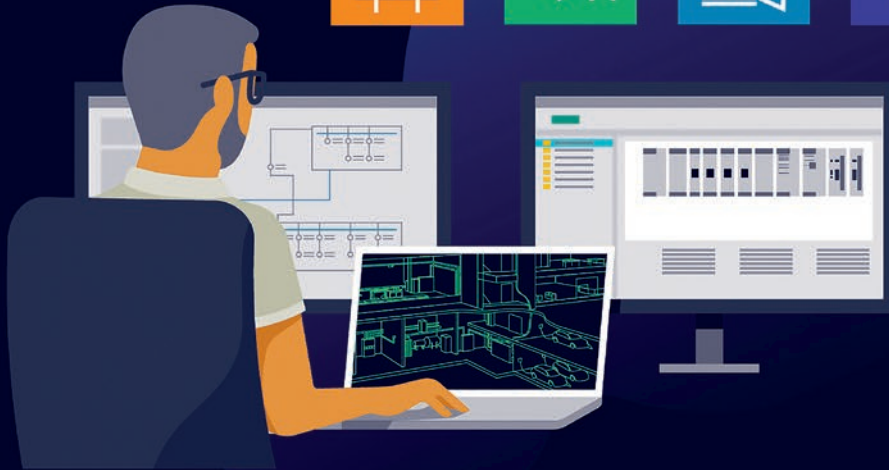
## Direct-on-line feeder, for Low LCC

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

## Star-Delta feeder, for Low LCC

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

Type-2 Coordination Charts



# SIMARIS

## software tools

### SIMARIS suite: Easy access to SIMARIS planning tools

Integrated and Safe planning of complete power distribution system

#### SIMARIS design

Power distribution network planning

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

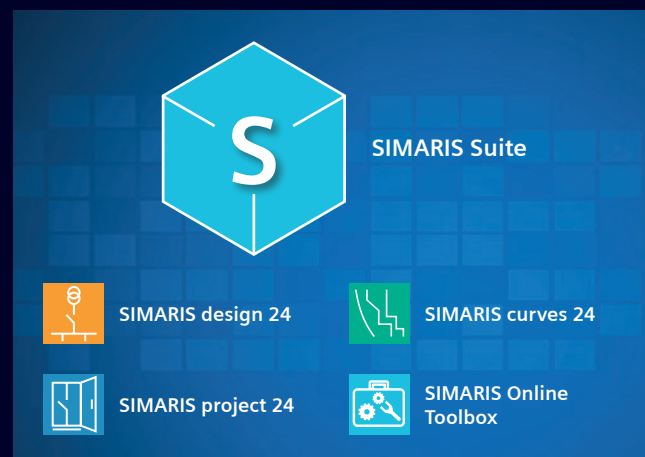
#### SIMARIS curves

Visualization & evaluation of:

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

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



SIMARIS Suite

SIMARIS design 24

SIMARIS curves 24

SIMARIS project 24

SIMARIS Online  
Toolbox

# SIEMENS

## Available till stocks last

### Superswitch 3KL8

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

Rated current I <sub>e</sub> @690V 50Hz	SDF suitable for DIN type HRC fuses	Unit MRP* ₹	SDF suitable for BS type HRC fuses	Unit MRP* ₹	SDF suitable for Cylindrical type HRC fuses	Unit MRP* ₹	Std. pkg. (nos.)
20A	3KL8111-3TA00	4255.-	3KL8111-3TJ00	4120.-	3KL8111-3TC00	4190.-	1
32A	3KL8121-3TA00	4360.-	3KL8121-3TJ00	4260.-	3KL8121-3TC00	4320.-	1
63A	3KL8151-3TA00	6155.-	3KL8151-3TJ00	5955.-	3KL8151-3TC00	6005.-	1
100A	3KL8211-3TA00	12295.-	3KL8211-3TJ00	12065.-			1
125A	3KL8221-3TA00	16080.-	3KL8221-3TJ00	15870.-			1
160A <sup>§</sup>	3KL8231-3TA00	17550.-	3KL8231-3TJ00	17305.-			1
200A	3KL8311-3UA00	22420.-	3KL8311-3UJ00	21700.-			1
250A	3KL8321-3UA00	26360.-	3KL8321-3UJ00	26830.-			1
315A	3KL8331-3UA00	32590.-	3KL8331-3UJ00	31740.-			1
400A <sup>§</sup>	3KL8341-3UA00	39260.-	3KL8341-3UJ00	39850.-			1
500A	3KL8411-3UA00	61425.-	3KL8411-3UJ00	59075.-			1
630A	3KL8421-3UA00	63105.-	3KL8421-3UJ00	61210.-			1
800A <sup>§</sup>	3KL8431-3UA00	68360.-	3KL8431-3UJ00	66340.-			1

Notes:

3KL8/ 3KA8 is rated for 690V, 50Hz, AC23A Utilisation Category  
\$ AC23A @500V AC

All SDF Unit MRPs are without fuses

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

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

Description	3KL81 11/21/51 3KA81 51	Unit MRP* ₹	3KL82 11/21/31 3KA82 11/21/31	Unit MRP* ₹	3KL83 11/21/31/41 3KA83 11/21/41/51	Unit MRP* ₹	3KL84 11/21/31 3KA84 3/4/5/6	Unit MRP* ₹	Std. pkg. (nos.)
Fuse Cover	3KX8150-0AC	515.-	3KX8230-0AC	740.-	3KX8340-0AC	1085.-	3KX8430-0AC	1535.-	1
Terminal Cover (1 set)	-	-	3KX8231-0AC	625.-	3KX8341-0AC	1185.-	3KX8431-0AC	1390.-	1
Isolable Neutral cover	-	-	3KX8232-0AC	315.-	3KX8342-0AC	510.-	3KX8432-0AC	625.-	1
Phase Barrier <sup>§§</sup>	3KX8153-0AC	210.-	3KX8233-0AC	210.-	3KX8343-0AC	305.-	3KX8433-0AC	390.-	1

§§ For phase barriers of BS type switches please contact your nearest Siemens Sales Office.

### SIECAP™ LV Power Capacitors

ND (Normal Duty)

Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)	Rated voltage V	kvar @ 50 Hz	Type	Unit LP* ₹	Std. pkg. (nos.)			
440	0.9	4RB2008-3EE50-8K	POR	1	480	1	4RB2010-3EJ50-8K	POR	1			
	1	4RB2010-3EE50-8K		1		1.5	4RB2015-3EJ50-8K		1			
	1.2	4RB2012-3EE50-8K		1		2	4RB2020-3EJ50-8K		1			
	1.5	4RB2015-3EE50-8K		1		2.5	4RB2025-3EJ50-8K		1			
	2.1	4RB2021-3EE50-8K		1		4.2	4RB2042-3EJ50-8K		1			
	2.5	4RB2025-3EE50-8K		1		5	4RB2050-3EJ50-8K		1			
	3	4RB2030-3EE50-8K		1		5.5	4RB2055-3EJ50-8K		1			
	4.2	4RB2042-3EE50-8K		1		8.3	4RB2083-3EJ50-8K		1			
	5	4RB2050-3EE50-8K		1		10.4	4RB2104-3EJ50-8K		1			
	6	4RB2060-3EE50-8K		1		11.1	4RB2111-3EJ50-8K		1			
	7	4RB2070-3EE50-8K		1		12.5	4RB2125-3EJ50-8K		1			
	7.5	4RB2075-3EE50-8K		1		13.8	4RB2138-3EJ50-8K		1			
	8.3	4RB2083-3EE50-8K		1		15	4RB2150-3EJ50-8K		1			
	9	4RB2090-3EE50-8K		1		16.7	4RB2167-3EJ50-8K		1			
	10	4RB2100-3EE50-8K		1		20.8	4RB2208-3EJ50-8K		1			
	12.5	4RB2125-3EE50-8K		1		25	4RB2250-3EJ50-8K		1			
	15	4RB2150-3EE50-8K		1		27.7	4RB2277-3EJ50-8K		1			
	16.7	4RB2167-3EE50-8K		1		30	4RB2300-3EJ50-8K		1			
	20	4RB2200-3EE50-8K		1								
	20.8	4RB2208-3EE50-8K		1								
25	4RB2250-3EE50-8K	1										
28	4RB2280-3EE50-8K	1										
30	4RB2300-3EE50-8K	1										

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

\* LP - List Price      POR: Price On Request  
\* MRP - Maximum Retail Price

## Available till stocks last

### 3VT MCCBs

Description	Type
3VT Main switching unit without Trip Units	3VT2
3VT Main switching unit without Trip Units	3VT3
3VT Main switching unit without Trip Units	3VT4
3VT Main switching unit without Trip Units	3VT5
3VT Microprocessor Based Trip Unit (ETU)	3VT9
Accessories for 3VT2-5	3VT9...,\ 3VT9..

## Discontinued products

### 3KC Automatic Transfer Controller

Description	Type
ATC 5300	3KC9000-8TL30

### Motor control switches 3LA0

Description		Motor output 415V, 50Hz, 3Ph kW	Type
In sheet steel housing	On/Off	7.5	■ 3LA0221-1YA
		30	■ 3LA0621-1YB
	System selector	5.5	3LA0222-1YA
		Reversing	5.5

### Control switches 3ST

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

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

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

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

Description	3KL83 11/21/31/41 3KA83 11/21/41	3KL84 11/21/31 3KA84 2/3/4/5/6	Std.pkg. (nos.)
Key interlock	3KX3588-1YP(.)#	3KX3588-1YP(.)#	1

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

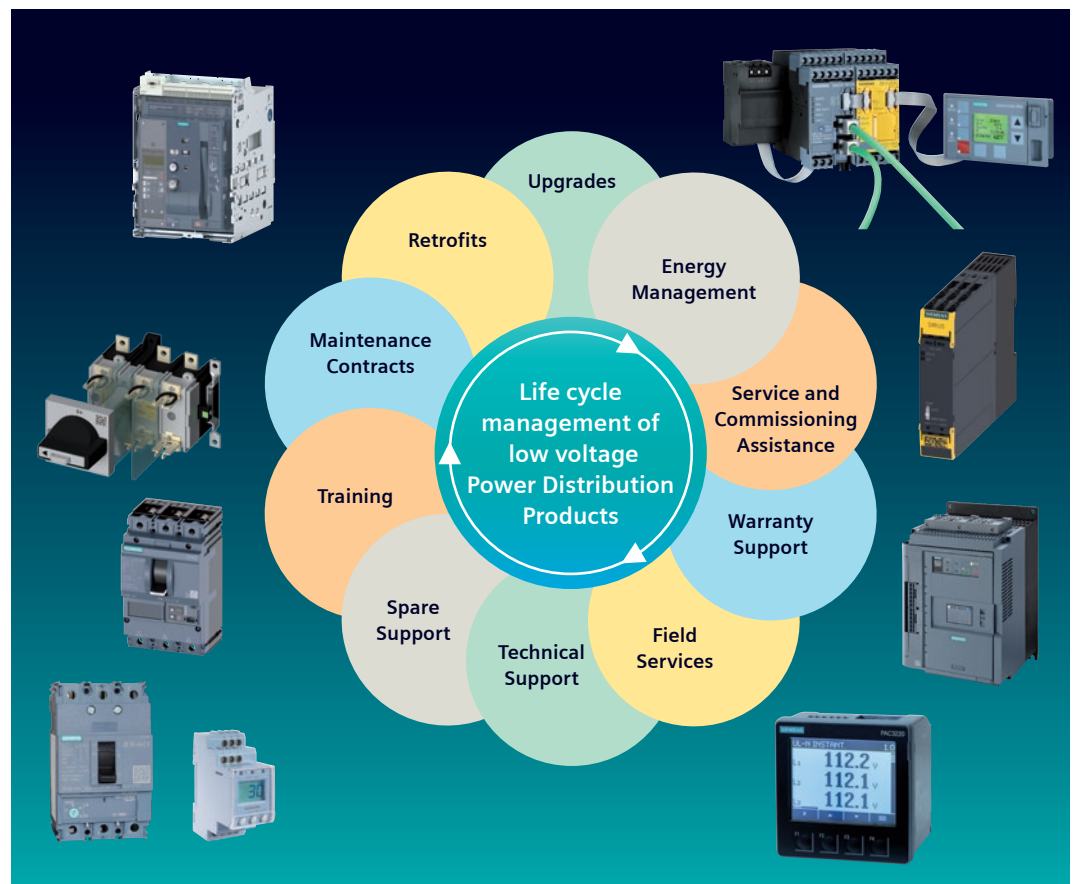
Description	Type
3VL MCCBs	3VL1 - 3VL8
3VL Accessories	3VL9..., \3VL9...

# One point contact for your service needs

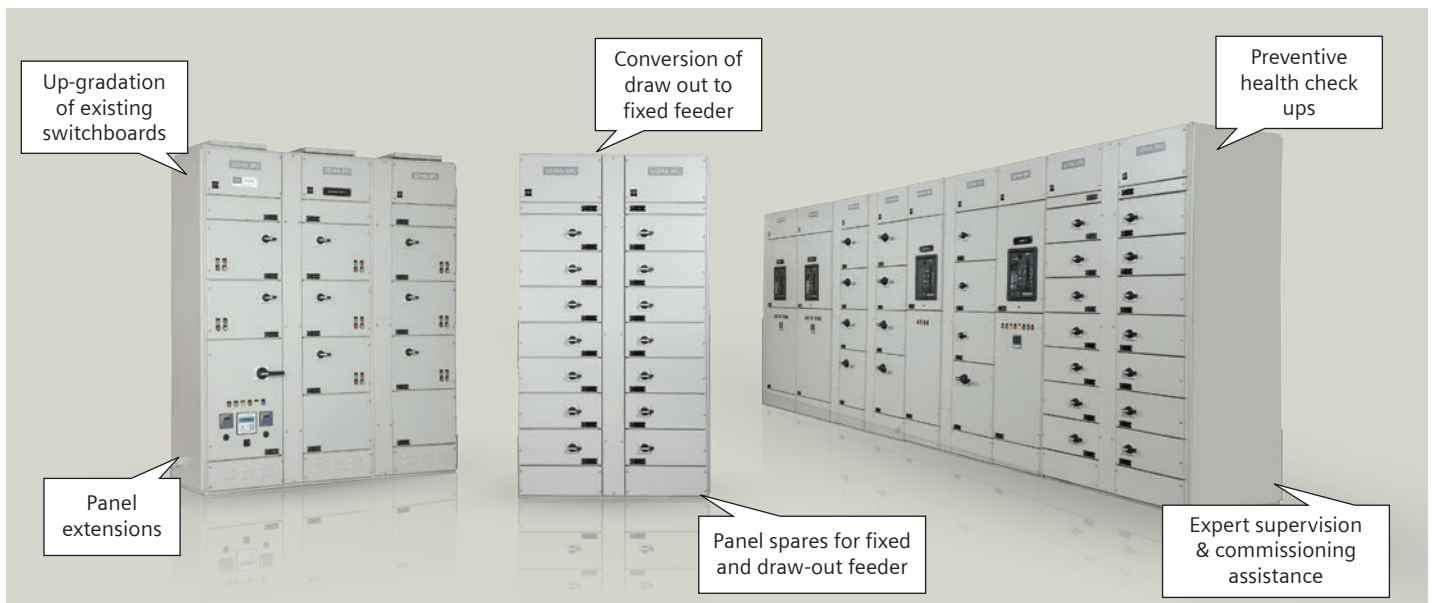
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We offer structured services, designed to give you valuable support in every phase during the lifecycle of your low voltage products and panels – from warranty support to suitable retrofit solutions.

We educate and help to adopt products and solutions like energy management, condition monitoring, various application with analytic etc. through retrofit and technology upgrade, thereby helping to embark on the digitalization journey easily.



## Service & spares for SIEPAN 8PU



- Annual Maintenance contract of LV Switchboards
- Conversion of existing conventional to intelligent MCC
- Ready to use completely prewired draw out modules for MCC
- Upgradation of existing panels with temperature monitoring system

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For information on prices of below products please refer to the  
Low Voltage Control Products valid Price List



## Terms and conditions

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

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

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

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

### Stock items

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

### Note

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

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