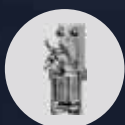


Over 100 years of leadership  
in switching technology

LV Switchgear – Motor Control Products

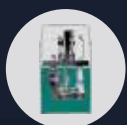
Price List w.e.f. 1st March, 2018

**1905**



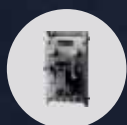
DC Contactor for lighting circuits

**1912**



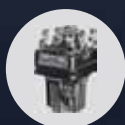
Oil Contactor

**1922**



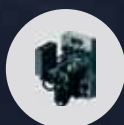
AC Contactor

**1930**



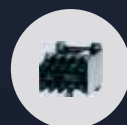
AC Contactor with silver contacts

**1948**



Air Contactor K917

**1951**



Air Contactor K915

**1974**



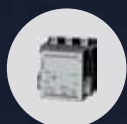
Compact Contactor 3TB

**1986**



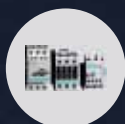
AC Contactor 3TF

**1987**



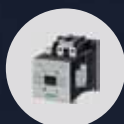
Vacuum Contactor 3TF6

**1996**



SIRIUS Modular System

**2000**



SIRIUS up to 250 kW

**2002**



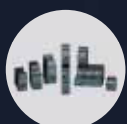
Diagnostics & Communication (RLT, AS-i)

**2004**



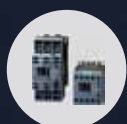
SIRIUS Infeed System

**2009**



SIRIUS Innovation: Plug & Play

**2010**



100 millionth SIRIUS Contactor

**2015**



SIRIUS Innovation S2

**2016**



SIRIUS Innovation S3

**2018**



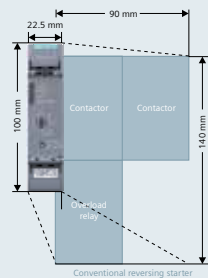
New SIRIUS S6-S12

# The perfect combination

siemens.com/sirius

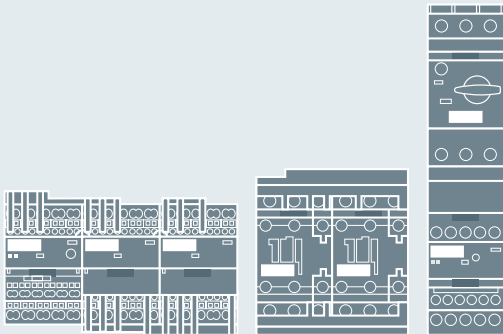
## Save space

High performance in the compact installation size. Newly introduced Sirius Innovation size S2 offers 80A in just 55mm width



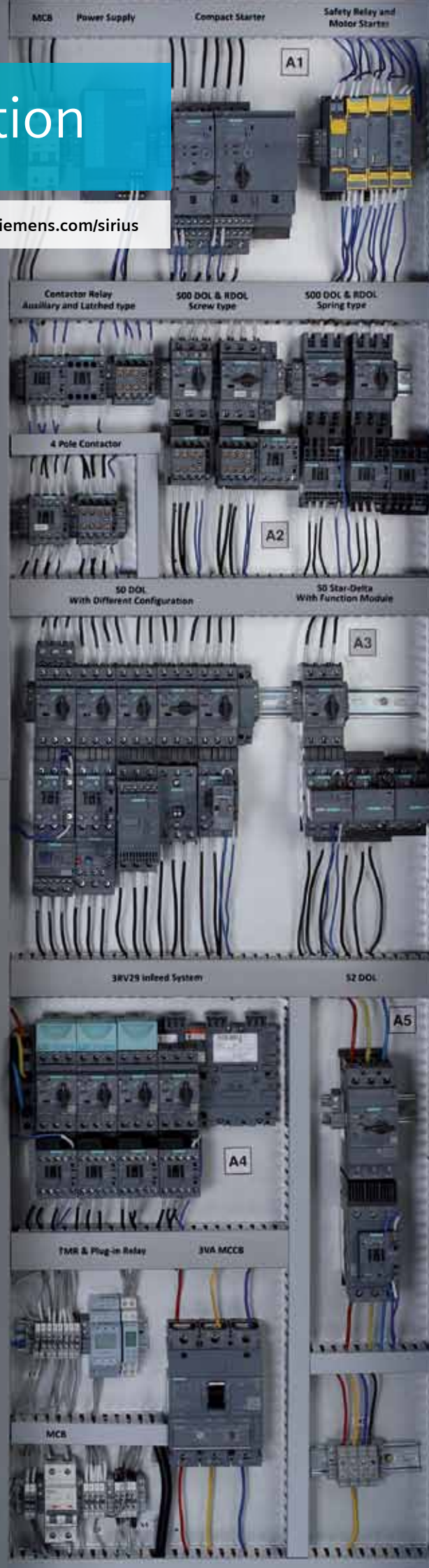
## Order pre-assembled

Ready-made and tested combinations with short-circuit strength up to 150 kA/400 V



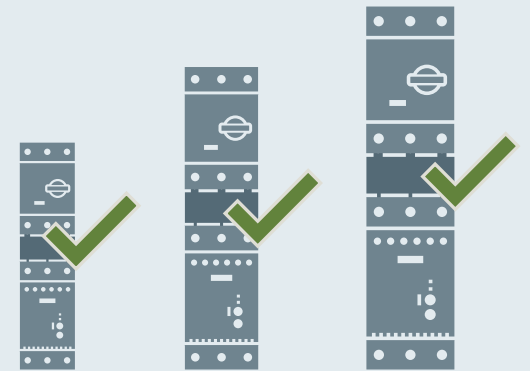
## Worldwide use

Fulfills all relevant standards and approvals worldwide, also for (e.g. safety, rail and ship building)



## Modular design

Perfectly matched and dimensioned products expandable with common accessories



## We are IE3/IE4 ready!

Ready-made and tested combinations with short-circuit strength up to 150 kA/400 V. Also other standard combinations available



No false tripping during startup process



Reliable switching capacity when using IE3 motors

## Engineering made easy

Simple and efficient by using the appropriate data and tools

- 1 Search for and find products
- 2 Data for CAE / CAD System
- 3 Certificates, documents, manuals
- 4 Support and Technical Assistance
- 5 Download CAx data and documents
- 6 Compile individual manuals
- 7 Apps for iOS and Android
- 8 Engineering Software from Siemens
- 9 EPLAN electric P8 macros

SIRIUS Modular System

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## SIRIUS Modular System

The perfect combination

- **Modular design**  
Optimally matched and dimensioned products expandable with uniform accessories
- **Space savings**  
Highest performance on the market based on installation size
- **Pre-assembled units**  
Order ready-made and tested combinations with short-circuit strength up to 150 kA/400 V
- **Quick connections**  
Comprehensive spring-type terminal portfolio, function blocks for contactor assemblies for reversing and star-delta (wye-delta) starting as well as connectors
- **Efficient configuration**  
Configuration data and macros for integration into your CAE systems
- **Universal use**  
Fulfills all relevant standards and approvals worldwide, also for extreme conditions (e.g. safety, rail and shipping) and is IE3/IE4 ready

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## Contactor Relays (Auxiliary contactors)



### 3RH2 (S00)

Screw terminals

Size	Operational Current Ie AC-15 at 230V A	Contacts NO	Contacts NC	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
				Type*	Unit LP ₹	Std. pkg. (nos.)	Type*	Unit LP ₹	Std. pkg. (nos.)
S00	10	4	-	■ 3RH2140-1A..0	1120.-	1	■ 3RH2140-1B..0	1525.-	1
		3	1	■ 3RH2131-1A..0	1120.-	1	■ 3RH2131-1B..0	1525.-	1
		2	2	■ 3RH2122-1A..0	1120.-	1	■ 3RH2122-1B..0	1525.-	1

§@ Please enter coil codes from table below

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'

## Latched Contactor Relays

Screw terminals



Operational current Ie AC-15 at 230V A	Contacts NO	Contacts NC	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
			Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
10	4	-	■ 3RH2440-1A..0	3885.-	1	■ 3RH2440-1B..0	5120.-	1
	3	1	■ 3RH2431-1A..0	3885.-	1	■ 3RH2431-1B..0	5120.-	1
	2	2	■ 3RH2422-1A..0	3885.-	1	■ 3RH2422-1B..0	5120.-	1

§@ Please enter coil codes from table below

For Latched Power Contactors refer 3RT accessory "Mechanical Latching Blocks" on page no. 16

Spring type terminals are not available for latched contactor relays.

### Rated control supply voltages for 3RH21 & 3RH24

#### § AC coil voltage

Code	B0	■ F0	■ P0
Coil voltage 50/60 Hz	24	110	230

#### @ DC Coil Voltage

Code	■ B4	F4	M4
Coil voltage	24	110	220

## Contactor Relays (with Low power consumption coil)



### Auxiliary Contactor - 3RH21 Coupling Relays

Screw terminals

Size	Surge Suppressors	Rated operational current Ie AC-15 at 230 V A	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
			NO	NC			
Rated control supply voltage U <sub>s</sub> =24 V DC, Operating range 0.7 to 1.25xU <sub>s</sub> , Power Consumption 2.8W at 24V DC							
S00	Built in suppressor Diode	10	4	-	3RH2140-1KB40	1900.-	1
			3	1	3RH2131-1KB40	1900.-	1
			2	2	3RH2122-1KB40	1900.-	1
Rated control supply voltage U <sub>s</sub> =24 V DC, Operating range 0.85 to 1.85xU <sub>s</sub> , Power Consumption 1.6W at 24V DC							
S00	Built in suppressor Diode	10	4	-	3RH2140-1SB40	2705.-	1
			3	1	3RH2131-1SB40	2705.-	1
			2	2	3RH2122-1SB40	2705.-	1

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2'

Note: 3RH21 Coupling Relays - Add-on Auxiliary contact blocks not applicable

■ Stock items

LP - List Price

# Power Contactors



## 3RT (S00 to S12)

Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxillary contacts	AC Coil <sup>5</sup>			DC Coil <sup>6</sup>		
				Type*	Unit LP ₹	Std. pkg. (nos.)	Type*	Unit LP ₹	Std. pkg. (nos.)
S00	7	3	1NO	■ 3RT2015-1A..1	955.-	1	■ 3RT2015-1B..1	1450.-	1
			1NC	■ 3RT2015-1A..2	955.-	1	■ 3RT2015-1B..2	1450.-	1
	9	4	1NO	■ 3RT2016-1A..1	1005.-	1	■ 3RT2016-1B..1	1565.-	1
			1NC	■ 3RT2016-1A..2	1005.-	1	■ 3RT2016-1B..2	1565.-	1
	12	5.5	1NO	■ 3RT2017-1A..1	1115.-	1	■ 3RT2017-1B..1	1800.-	1
			1NC	■ 3RT2017-1A..2	1115.-	1	■ 3RT2017-1B..2	1800.-	1
	16	7.5	1NO	■ 3RT2018-1A..1	1300.-	1	■ 3RT2018-1B..1	2185.-	1
			1NC	■ 3RT2018-1A..2	1300.-	1	■ 3RT2018-1B..2	2185.-	1
S0	25	11	1NO+1NC	■ 3RT2026-1A..0	1930.-	1	■ 3RT2026-1B..0	3505.-	1
	32	15	1NO+1NC	■ 3RT2027-1A..0	3835.-	1	■ 3RT2027-1B..0	7170.-	1
	38	18.5	1NO+1NC	■ 3RT2028-1A..0	5545.-	1	■ 3RT2028-1B..0	8485.-	1
	40	18.5	1NO+1NC	■ 3RT2028-1A..00JA0#	5840.-	1	■ 3RT2028-1B..00JA0#	8895.-	1

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxillary contacts	AC Coil <sup>5</sup>			AC/DC Coil <sup>6</sup>		
				Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S2	50	22	1NO+1NC	■ 3RT2036-1A..0	7280.-	1	■ 3RT2036-1N..0	11570.-	1
	65	30	1NO+1NC	■ 3RT2037-1A..0	10115.-	1	■ 3RT2037-1N..0	13115.-	1
	80	37	1NO+1NC	■ 3RT2038-1A..0	12825.-	1	■ 3RT2038-1N..0	16260.-	1
S3	95	45	1NO+1NC	■ 3RT2046-1A..0	15145.-	1	■ 3RT2046-1N..0	19335.-	1
	110	55	1NO+1NC	■ 3RT2047-1A..0	19450.-	1	■ 3RT2047-1N..0	24690.-	1

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxillary contacts	AC/DC Coils (Conventional Type) €			AC/DC Coils (Solid-state op. mech for 24V DC operation) €		
				Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	2NO+2NC	■ 3RT10 54-6A.36 8K	19360.-	1	■ 3RT10 54-6N.36	24390.-	1
	150	75	2NO+2NC	■ 3RT10 55-6A.36 8K	25340.-	1	■ 3RT10 55-6N.36	30895.-	1
	185	90	2NO+2NC	■ 3RT10 56-6A.36 8K	33465.-	1	■ 3RT10 56-6N.36	39740.-	1
S10	225	110	2NO+2NC	■ 3RT10 64-6A.36 8K	36315.-	1	■ 3RT10 64-6N.36	44430.-	1
	265	132	2NO+2NC	■ 3RT10 65-6A.36 8K	42100.-	1	■ 3RT10 65-6N.36	50675.-	1
	300	160	2NO+2NC	■ 3RT10 66-6A.36 8K	49395.-	1	■ 3RT10 66-6N.36	58575.-	1
S12	400	200	2NO+2NC	■ 3RT10 75-6A.36 8K	60430.-	1	■ 3RT10 75-6N.36	68705.-	1
	500	250	2NO+2NC	■ 3RT10 76-6A.36 8K	83660.-	1	■ 3RT10 76-6N.36	98165.-	1

\$@€ Please enter coil codes from table below

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0

# 40A Size S0 3RT2028 contactor is available with screw type terminals only

€ available with universal operation

### Rated control supply voltages

(For 3RT2 Change the 10th & 11th digit and for 3RT1 Change the 10th digit of Type no.)

#### \$ - AC operation 50/60Hz

Contacteur type	3RT20 1	3RT20 2	3RT20 3	3RT20 4
Size	S00	S0	S2	S3
24 V AC	B0	C2	C2	C2
■ 110 V AC	F0	G2	G2	G2
■ 230 V AC	P0	L2	L2	L2

#### @ - DC operation

Contacteur type	3RT20 1, 3RH2	3RT20 2	3RT20 3	3RT20 4
Size	S00	S0	S2	S3
■ 24 V DC	B4	B4	-	-
110 V DC	F4	F4	-	-
220 V DC	M4	M4	-	-

#### € - Universal operation (AC / DC) for 3RT2 S2, S3 and for 3RT1 S6, S10, S12

Contacteur Type	3RT203.-N	3RT204.-N
Size	S2	S3
20...33 V AC/DC	B3	B3
83...155 V AC/DC	F3	F3
175...280 V AC/DC	P3	P3

Contacteur Type	3RT1_Conventional Coil
Size	S6, S10, S12
110...127 V AC/DC	F
220...240 V AC/DC	P

Contacteur Type	3RT1_Solid-State Coil
Size	S6, S10, S12
96...127 V AC/DC	F
200...277 V AC/DC	P

Please contact nearest sales office for other coil voltages and wide band coil voltage options

■ Stock items

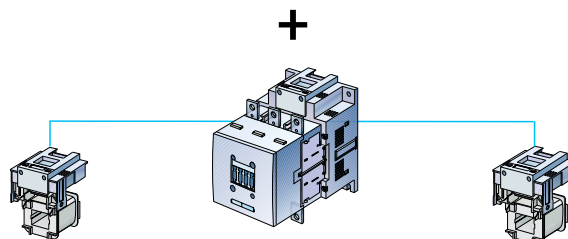
# Power Contactors

## 3RT (S6, S10, S12)

Withdrawable coils and integrated varistor in coil circuit

Contactor without operating coil (Please order coil separately)

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxillary contacts	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	2NO+2NC	■ 3RT1054-6LA068K	15120.-	1
	150	75	2NO+2NC	■ 3RT1055-6LA068K	20990.-	1
	185	90	2NO+2NC	■ 3RT1056-6LA068K	28970.-	1
S10	225	110	2NO+2NC	■ 3RT1064-6LA068K	30310.-	1
	265	132	2NO+2NC	■ 3RT1065-6LA068K	36145.-	1
	300	160	2NO+2NC	■ 3RT1066-6LA068K	43505.-	1
S12	400	200	2NO+2NC	■ 3RT1075-6LA068K	50235.-	1
	500	250	2NO+2NC	■ 3RT1076-6LA068K	73180.-	1



### Coil - Conventional operating mechanism

Size	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	23...26	■ 3RT1955-5AB318K	3485.-	1
	110...127	■ 3RT1955-5AF318K		1
	220...240	■ 3RT1955-5AP318K		1
	380...420	■ 3RT1955-5AV318K		1
S10	23...26	■ 3RT1965-5AB31	5165.-	1
	110...127	■ 3RT1965-5AF318K		1
	220...240	■ 3RT1965-5AP318K		1
	380...420	■ 3RT1965-5AV318K		1
S12	23...26	■ 3RT1975-5AB31	9680.-	1
	110...127	■ 3RT1975-5AF318K		1
	220...240	■ 3RT1975-5AP318K		1
	380...420	■ 3RT1975-5AV31		1

### Coil - Solid state op. mech. (24 V DC PLC o/p)

Size	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	21...27.3	3RT1955-5NB31	6850.-	1
	96...127	3RT1955-5NF31		1
	200...277	■ 3RT1955-5NP31		1
	21...27.3	3RT1965-5NB31		1
S10	96...127	3RT1965-5NF31	10275.-	1
	200...277	■ 3RT1965-5NP31		1
	21...27.3	3RT1975-5NB31		1
S12	96...127	3RT1975-5NF31	13705.-	1
	200...277	■ 3RT1975-5NP31		1

### 3RT2 (S0) and 3RT1 (S3)

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxillary contacts	AC Coil <sup>§</sup>			DC Coil <sup>@</sup>		
				Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
<b>3RT2 Size S0 Contactor</b>									
S0	9	4	1NO + 1NC	■ 3RT2023-1A..0	1215.-	1	■ 3RT2023-1B..0	1970.-	1
	12	5.5	1NO + 1NC	■ 3RT2024-1A..0	1350.-	1	■ 3RT2024-1B..0	2175.-	1
	17	7.5	1NO + 1NC	■ 3RT2025-1A..0	1550.-	1	■ 3RT2025-1B..0	2745.-	1
<b>3RT1 Size S3 Contactor</b>									
S3	65	30	-	3RT1044-1A..08K	10620.-	1	3RT1044-1B..0	13770.-	1
	80	37	-	3RT1045-1A..08K	13465.-	1	3RT1045-1B..0	17075.-	1
	95	45	-	3RT1046-1A..08K	15145.-	1	3RT1046-1B..0	19335.-	1

§ @ Change the 10th and 11th digit of the Article No.

### \$ - AC operation 50/60Hz

Contactor type	3RT20 2	3RT10 4
Size	S0	S3
24 V AC	C2	C2
■ 110 V AC	G2	G2
■ 230 V AC	L2	L2

### @ - DC operation

Contactor type	3RT20 2	3RT10 4
Size	S0	S3
■ 24 V DC	B4	B4
110 V DC	F4	F4
220 V DC	M4	M4

■ Stock items



**SIEMENS**  
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# Widest Range of Energy Efficient Contactors

When you go for Energy Efficiency improvement of your plant or a machine, just DON'T Stop at big items like Motors, HVAC etc.  
Generally overlooked product like a CONTACTOR can also contribute much more, when it comes to Energy Efficiency improvement.  
Explore SIRIUS Innovation Energy Efficient Contactor Portfolio

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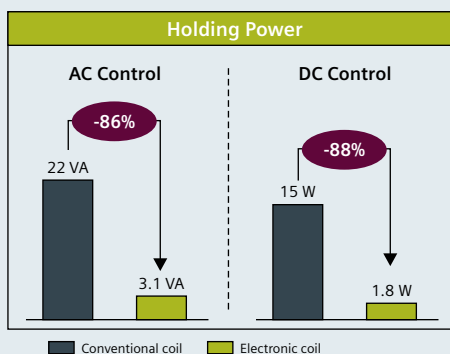
## SIRIUS Innovation - Energy Efficient Contactor Portfolio (12A to 500A AC-3)

Contactor coil consumes continuous power as long as in operation



3RT20 | 95A AC-3

Typical Holding Power data comparison



Contactors with Electronic coil can be upto **88%** more

**Energy Efficient** as compared to conventional AC or DC contactor

Typical Coil Consumption (Holding)

12-38A AC-3   3RT202.-1N..0		
	AC Control	DC Control
Size S0	1.9 VA	1.4 W

50-80A AC-3   3RT203.-1N..0		
	AC Control	DC Control
Size S2	2 VA	1 W

95-110A AC-3   3RT204.-1N..0		
	AC Control	DC Control
Size S3	3.1 VA	1.8 W

115-185A AC-3   3RT105.-6N.36		
	AC Control	DC Control
Size S6	3.5 VA	2.1 W

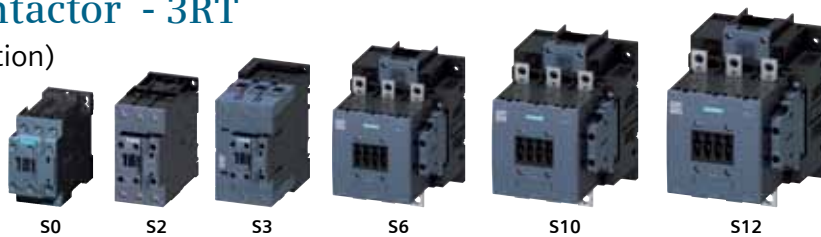
225-300A AC-3   3RT106.-6N.36		
	AC Control	DC Control
Size S10	5.5 VA	2.8 W

400-500A AC-3   3RT107.-6N.36		
	AC Control	DC Control
Size S12	5.6 VA	3 W



# Energy Efficient Power Contactor - 3RT

(Electronic Coil - Universal AC/DC operation)



NEW

### Screw terminals

Size	Surge Suppressors	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
				NO	NC			
Extended operating range 0.7 to 1.3 x U <sub>s</sub>								
S0	Varistor integrated	12	5.5	1	1	3RT2024-1N..0	2735.-	1
		17	7.5	1	1	3RT2025-1N..0	3145.-	1
		25	11	1	1	3RT2026-1N..0	4430.-	1
		32	15	1	1	3RT2027-1N..0	8995.-	1
		38	18.5	1	1	3RT2028-1N..0	10520.-	1
Extended operating range 0.8 to 1.1 x U <sub>s</sub>								
S2	Varistor integrated	50 ... 80	22 ... 37	1	1	refer page no. 6		
S3	Varistor integrated	95 ... 110	45 ... 55	1	1	refer page no. 6		
S6-12	Varistor integrated	115 ... 500	55 ... 250	2	2	refer page no. 6 & 7		

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S0

Contactor type	3RT202.-1N
Size	S0
21 ... 28 V AC/DC	B3
95 ... 130 V AC/DC	F3
200 ... 280 V AC/DC	P3

# Power Contactors - 3RT20 coupling relays (PLC interface relay)



NEW

### Screw terminals

Size	Surge Suppressors	AC-3 Operational Current I <sub>e</sub> upto 415V A	Rating of induction motor at 50 Hz and 415V	Auxiliary contacts		Type*	Unit LP ₹	Std. pkg. (nos.)
				NO	NC			
Rated control supply voltage U <sub>s</sub> =24 V DC, Operating range 0.7 to 1.25 x U <sub>s</sub> , Holding power consumption 2.8W at 24V DC								
S00	Built in suppressor Diode	7	3	1	-	3RT2015-1KB41	1645.-	1
				-	1	3RT2015-1KB42	1645.-	1
		9	4	1	-	3RT2016-1KB41	1850.-	1
				-	1	3RT2016-1KB42	1850.-	1
		12	5.5	1	-	3RT2017-1KB41	1900.-	1
				-	1	3RT2017-1KB42	1900.-	1
Rated control supply voltage U <sub>s</sub> =24 V DC, Operating range 0.7 to 1.25 x U <sub>s</sub> , Holding Power Consumption 4.5W at 24V DC								
S0	Varistor integrated	12	5.5	1	1	3RT2024-1KB40	2280.-	1
		17	7.5	1	1	3RT2025-1KB40	3560.-	1
		25	11	1	1	3RT2026-1KB40	4380.-	1
		32	15	1	1	3RT2027-1KB40	7445.-	1
Rated control supply voltage U <sub>s</sub> =24 V DC, Operating range 0.8 to 1.2 x U <sub>s</sub> , Holding Power Consumption 1W at 24V DC								
S2	Varistor integrated	50	22	1	1	3RT2036-1KB40	12035.-	1
		65	30	1	1	3RT2037-1KB40	13515.-	1
		80	37	1	1	3RT2038-1KB40	16415.-	1
Rated control supply voltage U <sub>s</sub> =24V DC, Operating range 0.8 to 1.2 x U <sub>s</sub> , Holding Power Consumption 0.9W at 24V DC								
S3	Varistor integrated	95	45	1	1	3RT2046-1KB40	19635.-	1

\* For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' only for size S00, S0  
 Add-on Auxiliary contact blocks: S00: Not applicable, S0: Laterally mountable, S2/S3: Front and Laterally mountable

## Vacuum contactors - 3RT12

### Benefits

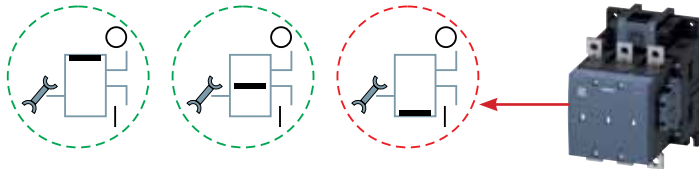
- AC-3 electrical life expectancy of about 2.5 million operation
- Contacts in the tube will not weld. Arc contained, therefore no gas generated nor flash during operation
- No deration of rated current up to 1000V AC for 3RT12 and up to 690V AC for 3TF6
- Visual inspection window for inspection of contact erosion available for 3RT12

with universal coil (AC/DC) Coils, 2NO+2NC aux. contacts

Contactor size	Rated current Ie (A) AC3 upto 415V	Type <sup>€</sup>	Unit LP ₹	Std. pkg. (nos.)
10	225	3RT1264-6A..6	96800.-	1
10	265	3RT1265-6A..6	114345.-	1
10	300	3RT1266-6A..6	125245.-	1
12	400	3RT1275-6A..6	158345.-	1
12	500	3RT1276-6A..6	205770.-	1

€ Coil voltage (AC/DC) - Please enter coil codes from table below

Code	B3	F3	P3	V3
Coil voltage (V)	23-26	110-127	220-240	380-420



## Vacuum contactors - 3TF6

Size	Rated current (A) Ie AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220, 250V)			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
14	630	355	4NO + 4NC	3TF6844-0C..	245340.-	1	3NO + 3NC	3TF6833-1D.. <sup>2)</sup>	276860.-	1
	820	450	4NO + 4NC	3TF6944-0C..	371135.-	1	3NO + 3NC	3TF6933-1D.. <sup>2)</sup>	418825.-	1

For coil codes & foot note (2) refer page no. 34

## Power Contactors - 3RT with indication of Remaining LifeTime (RLT)

### Withdrawable coils and integrated surge suppressor

### Benefits

- Early warning to replace contacts
- Optimum utilization of contact material
- Visual inspection of condition of contacts no longer necessary
- Reduction of operating costs
- Optimum planning of maintenance schedules
- Avoidance of unforeseen plant downtimes

Size	AC-3 Operational Current Ie upto 415 V <sup>1)</sup> A	Motor rating at 415V, 50Hz kW	Auxiliary contacts	Rated control supply voltage U <sub>c</sub> 40 to 60 Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	115	55	1NO+1NC	96...127	3RT1054-1PF35	29605.-	1
			1NO+1NC	220...277	3RT1054-1PP35	29605.-	
	150	75	1NO+1NC	96...127	3RT1055-6PF35	35855.-	1
			1NO+1NC	220...277	3RT1055-6PP35	35855.-	
S10	185	90	1NO+1NC	96...127	3RT1056-6PF35	44720.-	1
			1NO+1NC	220...277	3RT1056-6PP35	44720.-	
	225	110	1NO+1NC	96...127	3RT1064-6PF35	48195.-	1
			1NO+1NC	220...277	3RT1064-6PP35	48195.-	
S12	265	132	1NO+1NC	96...127	3RT1065-6PF35	54375.-	1
			1NO+1NC	220...277	3RT1065-6PP35	54375.-	
	300	160	1NO+1NC	96...127	3RT1066-6PF35	62225.-	1
			1NO+1NC	220...277	3RT1066-6PP35	62225.-	
S12	400	200	1NO+1NC	96...127	3RT1075-6PF35	71745.-	1
			1NO+1NC	220...277	3RT1075-6PP35	71745.-	
	500	250	1NO+1NC	96...127	3RT1076-6PF35	106320.-	1
			1NO+1NC	220...277	3RT1076-6PP35	106320.-	

1) For size S6 to S12 size contactors, operating current Ie is valid up to 500V

contact material 100% 60% 40% 20% main contacts

LEDs on the contactor

LED-Displays	new	60%	40%	20%
green	RLT	RLT	RLT	RLT
green	60%	60%	60%	60%
orange	40%	40%	40%	40%
red	20%	20%	20%	20%
	OReset	OReset	OReset	OReset

RLT contactor

## 3 Pole AC1 Duty Contactors



Size	AC-1 operational current Ie upto 690V A	AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
		Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S3	140	3RT14 46-1A..0 8K	14555.-	1	3RT1446-1B..0	18500.-	1

§@ Please enter coil codes from table below

Size	AC-1 operational current Ie upto 690V A	Auxillary Contacts	Type <sup>€</sup>	Unit LP ₹	Std. pkg. (nos.)
S6	275	2NO+2NC	3RT1456-6A..68K	32510.-	1
S10	400	2NO+2NC	3RT1466-6A..68K	44350.-	1
S12	690	2NO+2NC	3RT1476-6A..68K	92000.-	1

€ Please enter coil codes from the table

## 4 Pole Power Contactors



With 4NO main contacts

Contactor size	Rated current Ie (A) AC1, 415V	Auxillary Contacts		AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
		NO	NC	Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S00	18	-	-	3RT2316-1A..0	1580.-	1	3RT2316-1B..0	2565.-	1
	22	-	-	3RT2317-1A..0	1640.-	1	3RT2317-1B..0	2730.-	1
S0	30	1	1	3RT2324-1A..0	1715.-	1	3RT2324-1B..0	2895.-	1
	35	1	1	3RT2325-1A..0	1825.-	1	3RT2325-1B..0	3265.-	1
	40	1	1	3RT2326-1A..0	2835.-	1	3RT2326-1B..0	5040.-	1
	50	1	1	3RT2327-1A..0	3430.-	1	3RT2327-1B..0	6415.-	1
S2	60	1	1	3RT2336-1A..0	7555.-	1	3RT2336-1N..0 <sup>€</sup>	9380.-	1
	110	1	1	3RT2337-1A..0	12645.-	1	3RT2337-1N..0 <sup>€</sup>	14150.-	1
S3	140	1	1	3RT2346-1A..0	14055.-	1	3RT2346-1N..0 <sup>€</sup>	18175.-	1
	160	1	1	3RT2348-1A..0	16300.-	1	3RT2348-1N..0 <sup>€</sup>	19320.-	1

Higher ratings upto 1000A and corresponding AC3 ratings available Upon enquiry  
Please contact nearest sales office for wide band sizes S00 to S3



With 2NO+2NC main contacts

size	AC-1 operational current Ie upto 415V A	Auxillary Contacts		AC Coil <sup>§</sup>			DC Coil <sup>®</sup>		
		NO	NC	Type	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S00	18	-	-	3RT2516-1A..0	1765.-	1	3RT2516-1B..0	2295.-	1
	22	-	-	3RT2517-1A..0	2070.-	1	3RT2517-1B..0	3385.-	1
S0	40	1	1	3RT2526-1A..0	3485.-	1	3RT2526-1B..0	6305.-	1
S2	60	1	1	3RT2535-1A..0	9145.-	1	3RT2535-1N..0 <sup>€</sup>	11940.-	1
	70	1	1	3RT2536-1A..0	11800.-	1	3RT2536-1N..0 <sup>€</sup>	15435.-	1
S3	100	1	1	3RT2544-1A..0	13225.-	1	3RT2544-1N..0 <sup>€</sup>	15625.-	1
	125	1	1	3RT2545-1A..0	14725.-	1	3RT2545-1N..0 <sup>€</sup>	18550.-	1

Rated control supply voltage (Change of the 10th and 11th digit of the Article No.)

\$ - AC operation 50/60Hz

Contactor type	3RT23, 3RT25	3RT1446
Size	S00, S0, S2, S3	S3
24 V AC	B0	C2
110 V AC	F0	G2
230 V AC	P0	L2

@ - DC operation

Contactor type	3RT23, 3RT25	3RT1446
Size	S00, S0	S3
24 V DC	B4	B4
110 V DC	F4	F4
220 V DC	M4	M4

€ - Universal operation AC / DC

Contactor type	3RT2.3.-.N..0 3RT2.4.-.N..0	Contactor type	3RT 14
Size	S2, S3	Size	S6, S10, S12
20 ... 33	B3	20 ... 26	B3
83 ... 155	F3	110 ... 127	F3
175 ... 280	P3	220 ... 240	P3

Please contact nearest sales office for other coil voltages and wide band coil voltage options

Mechanical interlock for 3RT23

Contactor size	Type	Description	Unit LP ₹	Std. pkg. (nos.)
S00-S00	3RA2912-2H	Mechanical interlock & 2 Connecting Clips	320.-	1
S0-S0	3RA2922-2H	Mechanical interlock & 2 Connecting Clips	320.-	1
S2-S2 <sup>1)</sup>	3RA2934-2B	Mechanical interlock	360.-	1
	3RA2932-2G	2x Connecting Clips	180.-	10
S3-S3 <sup>1)</sup>	3RA2934-2B	Mechanical interlock	360.-	1
	3RA2942-2G	2x Connecting Clips	200.-	10

1) for 3RT23 S2 & S3 reversing combination both Mechanical interlock & 2x Connecting Clips need to be ordered

## Solid state switching devices - 3RF

### Solid state contactless switching for application requiring frequent switching

- Compact 22.5mm design with built in LED & finger touch proof protection
- Blocking voltage 1200V
- Main voltage 48-460V AC
- Control voltage 4-30V DC
- Zero point switching



Rated current AC51 (max)	Type	Unit LP ₹	Std. pkg. (kits)
20	3RF2120-1AA45 <sup>S</sup>	1765.-	1
30	3RF2130-1AA45 <sup>S</sup>	2735.-	1
50	3RF2150-1AA45 <sup>S</sup>	4545.-	1
70	3RF2170-1AA45 <sup>S</sup>	5275.-	1
90	3RF2190-1AA45 <sup>S</sup>	6525.-	1

Contact your nearest Siemens partner to know more about

- 3RF20 solid state relays with 45mm design for resistive loads
- 3RF23 single phase solid state contactors with built in heatsink for resistive/inductive loads
- 3RF24 three phase solid state contactors with built-in heat sink for resistor loads upto 50A
- Add on function modules to achieve extended functionality

\$ To be used along with suitable heatsink, other voltages upon enquiry

## Accessories for 3RH2 & 3RT2 contactors (S00 / S0 / S2 / S3)

### Auxiliary Contact Blocks (S00 / S0 / S2 / S3)

for snapping onto the front

For	NO	NC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00 / S0 / S2 / S3	1	-	3RH2911-1HA10	230.-	1
	-	1	3RH2911-1HA01		1
	2	-	3RH2911-1HA20	315.-	1
	1	1	3RH2911-1HA11		1
	-	2	3RH2911-1HA02		1
	2	2	3RH2911-1HA22		1
	3	1	3RH2911-1HA31	560.-	1
	4	-	3RH2911-1FA40		1



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

Laterally mountable auxiliary switch blocks on left and / or right

For	NO	NC	Type*1)	Unit LP ₹	Std. pkg. (nos.)
S00 / S0 / S2 / S3	-	2	3RH2921-1DA02	670.-	1
	1	1	3RH2921-1DA11		1
	2	-	3RH2921-1DA20		1



\* For ordering auxiliary contact blocks with Spring type terminals, please replace 8th digit from '1' to '2'

1) Only left side mounting possible for 3RH2 contactor relays

## Accessories for 3RT1 contactors (S3 - S12)

### Auxiliary Contact Blocks (S3 - S12)

Size	NO	NC	#NO	*NC	Type	Unit LP ₹	Std. pkg. (nos.)
<b>1 Pole Front mounted Auxiliary Contact blocks S2.... S12 (3RT1.3 - 3RT1.7)</b>							
S3 - S12	1	-	-	-	3RH1921-1CA10	160.-	10
	-	1	-	-	3RH1921-1CA01		10
	-	-	1	-	3RH1921-1CD10	325.-	10
	-	-	-	1	3RH1921-1CD01		10
<b>2 Pole First Laterally mountable Auxiliary Contact blocks S2.... S12 (3RT1.3 - 3RT1.7)</b>							
S3 - S12	2	-	-	-	3RH1921-1EA20	700.-	1
	1	1	-	-	3RH1921-1EA11		1
	-	2	-	-	3RH1921-1EA02		1
<b>2 Pole Second Laterally mountable Auxiliary Contact blocks 3RT1.4 - 3RT1.7</b>							
S3 - S12	2	-	-	-	3RH1921-1KA20	705.-	1
	1	1	-	-	3RH1921-1KA11		1
	-	2	-	-	3RH1921-1KA02		1



# Delayed actuation

## Reversing contactor Assemblies - 3RA23



### Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	AC Coil				DC Coil			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz V AC	Type*	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub> V DC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00	7	3	230	3RA2315-8XB30-1A0	3645.-	1	24	3RA2315-8XB30-1BB4	4835.-	1
	9	4	230	3RA2316-8XB30-1A0	3845.-	1	24	3RA2316-8XB30-1BB4	5225.-	1
	12	5.5	230	3RA2317-8XB30-1A0	4020.-	1	24	3RA2317-8XB30-1BB4	5840.-	1
	16	7.5	230	3RA2318-8XB30-1A0	4760.-	1	24	3RA2318-8XB30-1BB4	6860.-	1
S0	12	5.5	230	3RA2324-8XB30-1AL2	4755.-	1	24	3RA2324-8XB30-1BB4	6390.-	1
	17	7.5	230	3RA2325-8XB30-1AL2	5310.-	1	24	3RA2325-8XB30-1BB4	7325.-	1
	25	11	230	3RA2326-8XB30-1AL2	6400.-	1	24	3RA2326-8XB30-1BB4	9710.-	1
	32	15	230	3RA2327-8XB30-1AL2	11745.-	1	24	3RA2327-8XB30-1BB4	19020.-	1
S2	38	18.5	230	3RA2328-8XB30-1AL2	16475.-	1	24	3RA2328-8XB30-1BB4	21510.-	1
	50	22	230	3RA2336-8XB30-1AL2	18575.-	1	20...33	3RA2336-8XB30-1NB3 <sup>€</sup>	28580.-	1
	65	30	230	3RA2337-8XB30-1AL2	24885.-	1	20...33	3RA2337-8XB30-1NB3 <sup>€</sup>	31940.-	1
S3	80	37	230	3RA2338-8XB30-1AL2	31260.-	1	20...33	3RA2338-8XB30-1NB3 <sup>€</sup>	37855.-	1
	95	45	230	3RA2346-8XB30-1AL2	39075.-	1	20...33	3RA2346-8XB30-1NB3 <sup>€</sup>	43940.-	1
	110	55	230	3RA2347-8XB30-1AL2	44910.-	1	20...33	3RA2347-8XB30-1NB3 <sup>€</sup>	48335.-	1

## Star Delta Contactor Assemblies - 3RA24



### Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V A	Motor rating at 415V, 50Hz kW	AC Coil <sup>5</sup>				DC Coil <sup>6</sup>			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz V AC	Type*	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub> V DC	Type*	Unit LP ₹	Std. pkg. (nos.)
S00-S00-S00	12	5.5	230	3RA2415-8XF31-1A0	8925.-	1	24	3RA2415-8XF31-1BB4	10475.-	1
	17	7.5	230	3RA2416-8XF31-1A0	9400.-	1	24	3RA2416-8XF31-1BB4	11405.-	1
	25	11	230	3RA2417-8XF31-1A0	9855.-	1	24	3RA2417-8XF31-1BB4	12185.-	1
S0-S0-S0	25	11	230	3RA2423-8XF32-1AL2	11025.-	1	24	3RA2423-8XF32-1BB4	13585.-	1
	32/40	15/18.5	230	3RA2425-8XF32-1AL2	12680.-	1	24	3RA2425-8XF32-1BB4	40640.-	1
	50	22	230	3RA2426-8XF32-1AL2	18375.-	1	24	3RA2426-8XF32-1BB4	27220.-	1
S2-S2-S0	50/65	22/30	230	3RA2434-8XF32-1AL2	24815.-	1	20...33	3RA2434-8XF32-1NB3 <sup>€</sup>	37270.-	1
	80	37	230	3RA2435-8XF32-1AL2	25895.-	1	20...33	3RA2435-8XF32-1NB3 <sup>€</sup>	42525.-	1
	86	45	230	3RA2436-8XF32-1AL2	31145.-	1	20...33	3RA2436-8XF32-1NB3 <sup>€</sup>	45820.-	1
S2-S2-S2	115	55	230	3RA2437-8XF32-1AL2	37960.-	1	20...33	3RA2437-8XF32-1NB3 <sup>€</sup>	49455.-	1
S3-S3-S2	150	75	230	3RA2445-8XF32-1AL2	41575.-	1	20...33	3RA2445-8XF32-1NB3 <sup>€</sup>	54400.-	1
	160	90	230	3RA2446-8XF32-1AL2	55710.-	1	20...33	3RA2446-8XF32-1NB3 <sup>€</sup>	65280.-	1

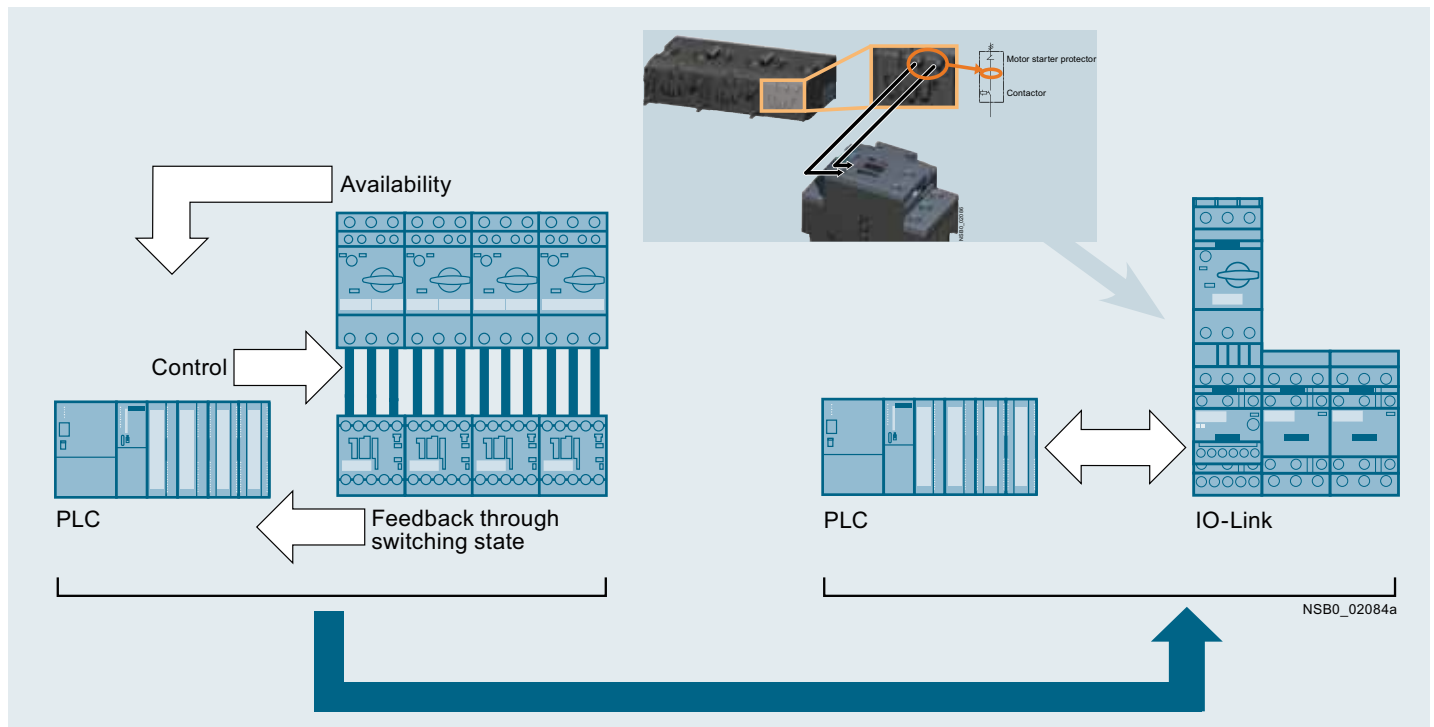
\* For ordering above assembly with Spring type terminals, please replace 13<sup>th</sup> digit from "1 to 2" for S00, S0

€ - Universal operation AC / DC

Above assemblies are also available as "ready to assemble kit" please refer page no. 22-29

Please contact nearest sales office for other coil voltages and with communication interface

# Communication capable power contactors



Rated control supply voltage  $U_s = 24\text{ V DC}$   
Screw terminals



Size	AC-3 Operational Current $I_e$ upto 415V A	Motor rating at 415V, 50 Hz kW	Auxillary contacts	Type*	Unit LP ₹	Std. pkg. (nos.)
S00	7	3	1NO	3RT2015-1BB41-0CC0	1740.-	1
			1NC	3RT2015-1BB42-0CC0		
	9	4	1NO	3RT2016-1BB41-0CC0	1870.-	1
			1NC	3RT2016-1BB42-0CC0		
	12	5.5	1NO	3RT2017-1BB41-0CC0	2145.-	1
			1NC	3RT2017-1BB42-0CC0		
16	7.5	1NO	3RT2018-1BB41-0CC0	2620.-	1	
		1NC	3RT2018-1BB42-0CC0			
S0	9	4	1NO + 1NC	3RT2023-1BB40-0CC0	2310.-	1
	12	5.5	1NO + 1NC	3RT2024-1BB40-0CC0	2520.-	1
	17	7.5	1NO + 1NC	3RT2025-1BB40-0CC0	3465.-	1
	25	11	1NO + 1NC	3RT2026-1BB40-0CC0	4055.-	1
	32	15	1NO + 1NC	3RT2027-1BB40-0CC0	7445.-	1
	38	18.5	1NO + 1NC	3RT2028-1BB40-0CC0	10025.-	1
S2	50	22	1NO + 1NC	3RT2036-1NB30-0CC0 <sup>€</sup>	11965.-	1
	65	30	1NO + 1NC	3RT2037-1NB30-0CC0 <sup>€</sup>	13355.-	1
	80	37	1NO + 1NC	3RT2038-1NB30-0CC0 <sup>€</sup>	16755.-	1
S3	95	45	1NO + 1NC	3RT2046-1NB30-0CC0 <sup>€</sup>	20945.-	1
	110	55	1NO + 1NC	3RT2047-1NB30-0CC0 <sup>€</sup>	21575.-	1

\*For ordering contactors with spring type terminals, please replace 8th digit from '1' to '2' for S00, S0  
<sup>€</sup> - Universal operation 20...33V AC / DC

## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

### Surge suppressors

#### Screw and spring terminals

Size	For Contactor	Version	AC Operation		DC Operation		Type	Unit LP ₹	Std. pkg. (nos.)	
			Rated control supply voltage (U <sub>c</sub> )							
			V AC	V DC						
S00	3RT2.1 & 3RH2.	Varistors (with LED)	24 ... 48	12 ... 24	■ 3RT2916-1JJ00	515.-	1			
			48 ... 127	24 ... 70	3RT2916-1JK00		1			
			127 ... 240	70 ... 150	3RT2916-1JL00		1			
			-	150 ... 250	3RT2916-1JP00		1			
		RC Elements	24 ... 48	24 ... 70	3RT2916-1CB00		1			
			48 ... 127	70 ... 150	3RT2916-1CC00		1			
			127 ... 240	150 ... 250	3RT2916-1CD00		1			
		Diode assemblies	-	12 ... 250	3RT2916-1EH00		1			
		Diode with LED	-	24 ... 70	3RT2916-1LM00		1			
		Additional load module	180 ... 255	-	3RT2916-1GA00		1			
S0	3RT2.2	Varistors	24 ... 48	24 ... 70	■ 3RT2926-1BB00	680.-	1			
			48 ... 127	70 ... 150	■ 3RT2926-1BC00		1			
			127 ... 240	150 ... 250	■ 3RT2926-1BD00		1			
			240 ... 400	-	■ 3RT2926-1BE00		1			
		RC Elements	24 ... 48	24 ... 70	3RT2926-1CB00		1			
			48 ... 127	70 ... 150	3RT2926-1CC00		1			
			127 ... 240	150 ... 250	3RT2926-1CD00		1			
			240 ... 400	-	3RT2926-1CE00		1			
		Diode assemblies	-	24	3RT2926-1ER00		1			
			-	30 ... 250	3RT2926-1ES00		1			
		Varistor with LED	127 ... 240	70 ... 150	3RT2926-1JL00		1			
		S2, S3	3RT2.3 3RT2.4	Varistors <sup>1)</sup>	24 ... 48		24 ... 70	■ 3RT2936-1BB00	795.-	1
					48 ... 127		70 ... 150	■ 3RT2936-1BC00		1
127 ... 240	150 ... 250				■ 3RT2936-1BD00	1				
240 ... 400	-				■ 3RT2936-1BE00	1				
400 ... 600	-				3RT2936-1BF00	1				
RC Element	24 ... 48			24 ... 70	3RT2936-1CB00	1				
	48 ... 127			70 ... 150	3RT2936-1CC00	1				
	127 ... 240			150 ... 250	3RT2936-1CD00	1				
	240 ... 400			-	3RT2936-1CE00	1				
Diode assemblies	-			24	3RT2936-1ER00	1				
	-			30 ... 250	3RT2936-1ES00	1				
Varistors with LED	127 ... 240			70 ... 150	3RT2936-1JL00	1				

1) In 3RT2 universal coil varistor is in-built

### Sealable Covers

Size	For Contactor	Type	Unit LP* ₹	Std. pkg. (nos.)
S00, S0, S2, S3	3RT2 & 3RH2 <sup>®</sup>	3RT2916-4MA10	160.-	1 pack = 5 units

® Exception: Contactors and contactor relays auxiliary switch block mounted onto the front

### Safety main current connectors for 2 contactors

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S00	3RT2	3RA2916-1A	935.-	1
S0		3RA2926-1A		1
S2		3RA2936-1A		1

■ Stock items

LP - List Price



## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)

### Coil terminal modules for S0, S2, S3

Size	For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
Connection from top	3RT2	3RT2926-4RA11	300.-	1
Connection from below		3RT2926-4RB11		1
Connection diagonally		3RT2926-4RC11		1



### Coupling links for control by PLC

for mounting onto the coil terminals of the contactors

Size	For Contactor	Mounting	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT2.2	onto the coil terminals of the contactors	3RH2924-1GP11	1585.-	1
S00, S0, S2, S3	3RT2	onto the contactors	3RH2914-1GP11	1615.-	1



### LED modules for indicating the contactor function

Size	For Contactor	Type	Unit LP* ₹	Std. pkg. (nos.)
S00 - S3	3RT2	3RT2926-1QT00	540.-	1 pack = 5 units



### Links for paralleling

Size	For Contactor	Version	Max. Conductor cross-sections mm <sup>2</sup>	Type	Unit LP ₹	Std. pkg. (nos.)
S00	3RT20 1	3-Pole with connection terminal	25 (stranded)	3RT1916-4BB31	345.-	1
S0	3RT20 2		50 (stranded)	3RT1926-4BB31	525.-	1
S2	3RT20 3		120 (stranded)	3RT1936-4BB31	695.-	1
S3	3RT20 4		185 (stranded)	3RT1946-4BB31	1895.-	1
S00	3RT23 1 & 3RT25 1	4-Pole with connection terminal	25 (stranded)	3RT1916-4BB41	525.-	1



### Screw adapters for easy screw fixing

2 units required per contactor

Size	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT1926-4P	25.-	1 pack = 10 units



### OFF-Delay Devices

Size	Rated control supply voltage U <sub>s</sub> V	Type	Unit LP ₹	Std. pkg. (nos.)
3RT2. 1, 3RT2. 2, 3RH2. . .-1BF40	110 AC/DC	3RT2916-2BK01	3595.-	1
3RT2. 1, 3RT2. 2, 3RH2. . .-1BM40	220 / 230 AC/DC	3RT2916-2BL01		1
3RT2. 1, 3RT2. 2, 3RH2. . .-1BB40	24 DC	3RT2916-2BE01		1



### Mechanical latching blocks

Size	For Contactor	Rated control supply voltage U <sub>s</sub> V	Type	Unit LP ₹	Std. pkg. (nos.)
S0	3RT2.2	24 AC/DC	3RT2926-3AB31	2285.-	1
		110 AC/DC	3RT2926-3AF31		1
		230 AC/DC	3RT2926-3AP31		1





## Accessories for 3RT2 and 3RH2 Contactors (S00, S0, S2, S3)



### Pneumatic delay blocks

for snapping onto the front of size S0 contactors

For Contactor	Function	Auxiliary contacts	Time setting range t Sec	Type	Unit LP ₹	Std. pkg. (nos.)
3RT2.2	ON-Delay	1NO + 1NC	0.1 ... 30	3RT2926-2PA01	1780.-	1
			1 ... 60	3RT2926-2PA11		1
	OFF-Delay	1NO + 1NC	0.1 ... 30	3RT2926-2PR01	2125.-	1
			1 ... 60	3RT2926-2PR11		1

\* The LP mentioned is for 1 unit



### Solid state timer block

for snapping onto the front (S00, S0, S2, S3)

Function	For contactors	Auxiliary contacts	Rated control supply voltage U <sub>s</sub> 50/60 Hz V	Time setting range t Sec	Type*	Unit LP ₹	Std. pkg. (nos.)
On-Delay (Varistor integrated)	3RT2 3RH21 3RH24	1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2813-1AW10	1915.-	1
		1NO + 1NC			3RA2813-1FW10		1
OFF-Delay without auxiliary voltage (Varistor integrated)		1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2815-1AW10	2290.-	1
		1NO + 1NC			3RA2815-1FW10		1
OFF-Delay with auxiliary voltage (Varistor integrated)		1CO	24 ... 240 VAC/DC	0.05 ... 100	3RA2814-1AW10	2600.-	1
		1NO + 1NC			3RA2814-1FW10		1

### Solid state timer block with semiconductor output

for snapping onto the front (S00, S0)

Function	For contactors <sup>#</sup>	Auxiliary contacts	Rated control supply voltage U <sub>s</sub> 50/60 Hz V	Time setting range t Sec	Type*	Unit LP ₹	Std. pkg. (nos.)
On-Delay (Varistor integrated)	3RT2 3RH21 3RH24	–	24 ... 240 VAC/DC	0.05 ... 100	3RA2811-1CW10	2085.-	1
OFF-Delay with auxiliary voltage	3RT2 3RH21 3RH24	–	24 ... 240 VAC/DC	0.05 ... 100	3RA2812-1DW10	2455.-	1

# Cannot be fitted onto coupling relays. Also available for 3RT2 S2 & S3 on request

Version	SIRIUS function modules		SIRIUS function modules for IO-Link		SIRIUS function modules for AS-Interface	
	A	B	C	D	E	F
Direct on line starting (S00, S0, S2, S3)	*Pls refer above table for type reference (Solid state timer block with semiconductor output)		3RA2711-1AA00*	3395.-	3RA27121AA00*	3735.-
Reversing starting (S00, S0, S2, S3)	for complete feeder refer page no. 22-23		3RA2711-1BA00*	6410.-	3RA2712-1BA00*	7045.-
Star delta starting (S00, S0, S2, S3)	3RA2816-0EW20	3960.-	3RA2711-1CA00*	9925.-	3RA2712-1CA00*	10950.-

\*For ordering with spring type terminals, please replace 8th digit from '1' to '2'

## Accessories for 3RT1 Contactors (S3 ... S12)



Solid state timer block – for snapping onto the front of 3RT10, 3RT13, 3RT14, 3RT15

Function	Auxiliary contacts	Rated control supply voltage $U_c$ , 50/60 Hz V	Time setting range t Sec	Type	Unit LP ₹	Std. pkg. (nos.)
<b>On-Delay</b> (Varistor integrated)	1NO + 1NC	24 AC/DC	0.05 ... 1	3RT1926-2EJ11	1805.-	1
			0.5 ... 10	3RT1926-2EJ21		1
			5 ... 100	3RT1926-2EJ31		1
	100 ... 127 AC	24 AC/DC	0.05 ... 1	3RT1926-2EC11		1
			0.5 ... 10	3RT1926-2EC21		1
			5 ... 100	3RT1926-2EC31		1
	200 ... 240 AC	24 AC/DC	0.05 ... 1	3RT1926-2ED11		1
			0.5 ... 10	3RT1926-2ED21		1
			5 ... 100	3RT1926-2ED31		1
<b>OFF-Delay without</b> auxiliary voltage (Varistor integrated)	1NO + 1NC	24 AC/DC	0.05 ... 1	3RT1926-2FJ11	2155.-	1
			0.5 ... 10	3RT1926-2FJ21		1
			5 ... 100	3RT1926-2FJ31		1
	100 ... 127 AC/DC	24 AC/DC	0.05 ... 1	3RT1926-2FK11		1
			0.5 ... 10	3RT1926-2FK21		1
			5 ... 100	3RT1926-2FK31		1
	200 ... 240 AC/DC	24 AC/DC	0.05 ... 1	3RT1926-2FL11		1
			0.5 ... 10	3RT1926-2FL21		1
			5 ... 100	3RT1926-2FL31		1
<b>Star-Delta</b> (Varistor integrated)	1 NO Delayed + 1 NO Instantaneous Dead time - 50 ms	24 AC/DC	1.5 ... 30	3RT1926-2GJ51	1980.-	1
		100 ... 127 AC	1.5 ... 30	3RT1926-2GC51		1
		200 ... 240 AC	1.5 ... 30	3RT1926-2GD51		1

## Accessories for 3RT12

Description	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Line voltage surge suppressors</b>			
upto 690V AC	3RT1966-1PV3	6195.-	1
upto 1000V AC	3RT1966-1PV4	9050.-	1
<b>Auxiliary contact blocks</b>			
second, 2NO	3RH1921-1KA20	700.-	1
second, 1NO+1NC	3RH1921-1KA11		1
second, 2NC	3RH1921-1KA02		1
Mechanical interlock mechanism	3RA1954-2A	1830.-	1
<b>Coil surge suppressor</b>			
RC element, for 110V-127V coil	3RT1956-1CC00	2285.-	1
RC element, for 220V-240V coil	3RT1956-1CD00		1

## Accessories for 3RT13/15/16

Contactor size	Description	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Front mounted auxiliary contact block (for 3RT 13/15)</b>				
S3...S12	1NO	3RH1921-1CA10*	160.-	1
	1NC	3RH1921-1CA01*	160.-	1
	2NO+2NC	3RH1921-1FA22	595.-	1
<b>Side mounted auxiliary contact block (for 3RT 13/15/16)</b>				
S3...S12	2NO	3RH1921-1EA20	700.-	1
	1NO+1NC	3RH1921-1EA11		1
	2NC	3RH1921-1EA02		1
<b>Mechanical interlock kit (for 3RT 13)</b>				
S3	front mounting	3RA1924-1A	585.-	1
	side mounting	3RA1924-2B®	585.-	1

\* Exception - 3RT12 & 3RT16

@ With built in 1NC per contactor

## Accessories for 3RT1 Contactors (S3 ... S12)

### Surge suppressors without LED

For fitting onto the coil terminals at top or bottom

Size	Version	AC Operation	DC Operation	Type	Unit LP ₹	Std. pkg. (nos.)
		Rated control supply voltage (U <sub>s</sub> )				
		V AC	V DC			
S3	Varistors	24 ... 48	24 ... 70	3RT1926-1BB00	720.-	1
		48 ... 127	70 ... 150	3RT1926-1BC00		1
		127 ... 240	150 ... 250	3RT1926-1BD00		1
		240 ... 400	-	3RT1926-1BE00		1
		400 ... 600	-	3RT1926-1BF00		1
	RC Elements	24 ... 48	24 ... 70	3RT1936-1CB00		1
		48 ... 127	70 ... 150	3RT1936-1CC00		1
		127 ... 240	150 ... 250	3RT1936-1CD00		1
		240 ... 400	-	3RT1936-1CE00		1
		400 ... 600	-	3RT1936-1CF00		1
	Diode Assemblies (Connectable at top)	-	24	3RT1936-1ER00		1
		-	30 ... 250	3RT1936-1ES00		1
	Diode Assemblies (Connectable at bottom)	-	24	3RT1936-1TR00		1
		-	30 ... 250	3RT1936-1TS00		1



Contactors coils (Size S6 to S12) comes with in-built varistor

For connecting to withdrawable coil with screw terminals with contactors with

—> 3RT1...-A... Conventional operating mechanism

—> 3RT1...-N... Solid state operating mechanism

S6, S10, S12	RC Elements	24 ... 48	24 ... 70	3RT1956-1CB00	1350.-	1
		48 ... 127	70 ... 150	3RT1956-1CC00		1
		127 ... 240	150 ... 250	3RT1956-1CD00		1
		240 ... 400	-	3RT1956-1CE00		1
		400 ... 600	-	3RT1956-1CF00		1



### LED modules for indicating the contactor function

Size	For Contactor	Type	Unit LP* ₹	Std. pkg. (nos.)
S6 - S12	3RT1	3RT2926-1QT00	540.-	1 pack = 5 units



## Accessories for 3RT1 Contactors (S3 ... S12)

### Box terminal blocks

Size	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S6	For round and ribbon cables (Upto 70 mm <sup>2</sup> )	3RT1955-4G	1295.-	1
	For round and ribbon cables (Upto 120 mm <sup>2</sup> )	3RT1956-4G	1830.-	1
	Auxiliary conductor connection for box terminals	3TX7500-0A	735.-	1
S10 / S12	Upto 240 mm <sup>2</sup> with auxiliary conductor connection	3RT1966-4G	5185.-	1



### Covers

#### Terminal covers for box terminals

Size	Version	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3 Pole	3RT1946-4EA2	445.-	1
	4 Pole	3RT1946-4EA4	445.-	1
S6	Length of 25 mm	3RT1956-4EA2	695.-	1
S10 / S12	Length of 30 mm	3RT1966-4EA2	1215.-	1

#### Terminal covers for cable lugs and busbar connection

S3	Length of 55 mm	3RT1946-4EA1	615.-	1
S6	Length of 100 mm	3RT1956-4EA1	1180.-	1
S10 / S12	Length of 120 mm	3RT1966-4EA1	1555.-	1

#### Busbar cover between contactor and 3RB2 overload relay or wiring module for contactor assemblies

S10 / S12	Length of 42 mm	3RT1966-4EA3	1040.-	1
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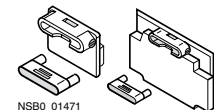
#### For busbar cover of the flat line connectors for reversing and wye-delta assemblies

S6	Length of 38 mm	3RT1956-4EA4	955.-	1
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### Sealable Covers

Size	Type	Unit LP ₹	Std. pkg. (nos.)
S3...S12	3RT1926-4MA10	70.-	1 pack = 5 units



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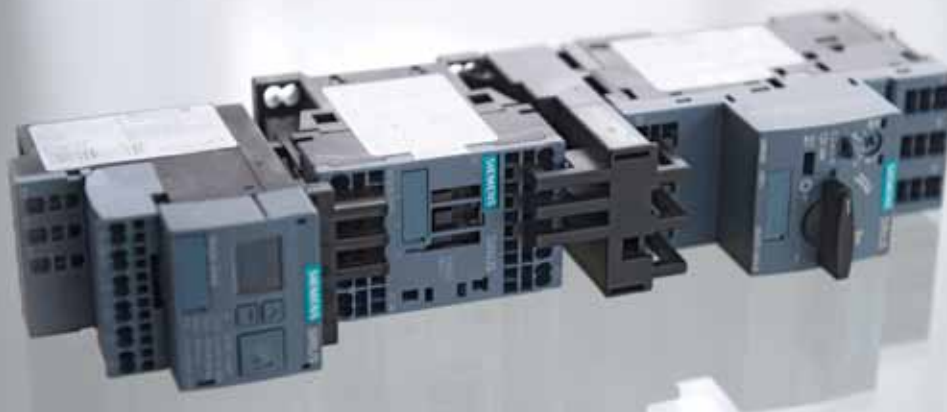
\* The LP mentioned is for 1 unit

### Links for paralleling

Size	Version	Max. Conductor cross-sections mm <sup>2</sup>	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3-Pole with through hole (Star Jumpers)	185	3RT1946-4BB31	1895.-	1
S6		–	3RT1956-4BA31	1040.-	1
S10 / S12		–	3RT1966-4BA31	1375.-	1



### Stock items



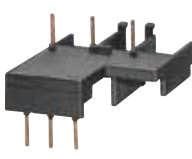












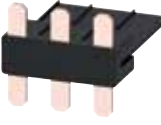




## 3RA Load Feeders



### Direct On-Line Starters

For snapping onto standard mounting rails or for screw mounting

Size of MPCB / contactor	MPCB	+	Contactor	+	Link module	+	Standard mounting rail adaptor	Final Assembled Unit
S00 / S00	 3RV2	+	 3RT2 AC and DC coil	+	 3RA1921-1DA00	+	Not required	
(S00, S0) / S0	 3RV2	+	 3RT2 AC coil DC coil	+	 3RA2921-1AA00 3RA2921-1BA00	+	Not required	
S2 / S2	 3RV2	+	 3RT2 AC and DC coil	+	 3RA2931-1AA00	+	 3RA2932-1AA00 (Optional)	
S3 / S3	 3RV2	+	 3RT2 AC and DC coil	+	 3RA1941-1AA00	+	 3RA1942-1AA00	

# – Available on request

**Link modules, single-unit packaging** – For mechanical and electrical connection between contactor and motor protection circuit-breaker with screw terminals

Method of operation	Size of contactor	Size of MPCB	Type	Unit LP ₹	Std. pkg. (nos.)
AC/DC	S00	S00	3RA1921-1DA00	350.-	1
	S2	S2	3RA2931-1AA00	1185.-	1
	S3	S3	3RA1941-1AA00	865.-	1
AC	S0	S00/S0	3RA2921-1AA00	340.-	1
DC	S0	S00/S0	3RA2921-1BA00	340.-	1

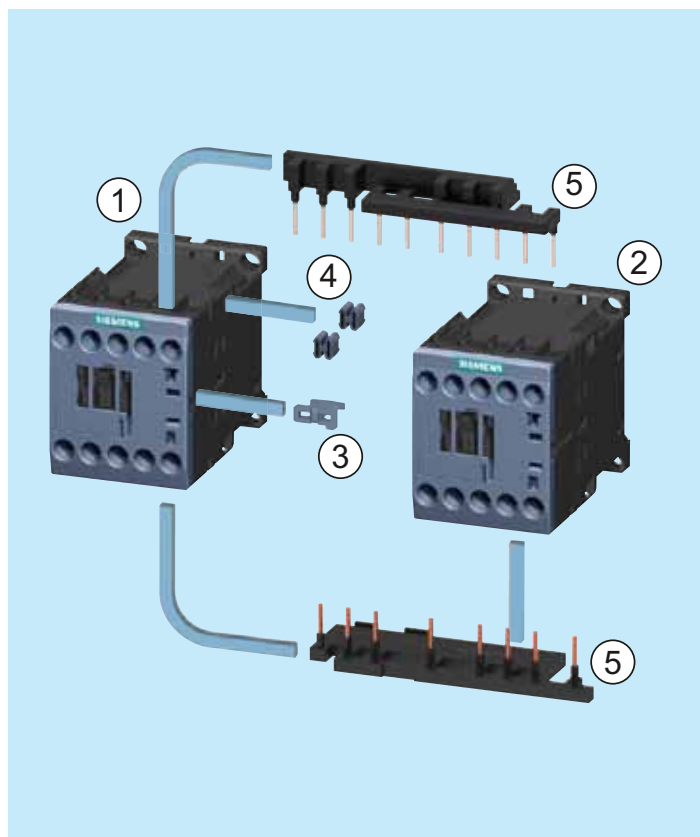
**Standard mounting rail adaptor**

Size of MPCB	Size of contactor	Type	Unit LP ₹	Std. pkg. (nos.)
S2	S2	3RA2932-1AA00	1325.-	1
S3	S3	3RA1942-1AA00	1670.-	1

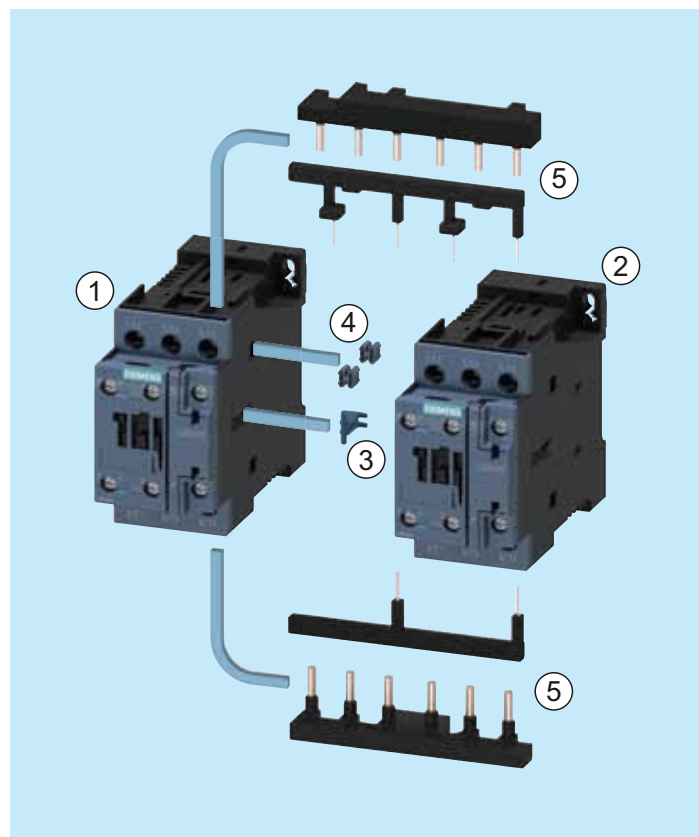
## Accessories for 3RT2 Contactors

S00, S0 - Mechanical Interlock & Installation kit for reversing contactors

S00 - S00



S0 - S0



**Individual Components**

- ① ② Power Contactor Size S00 - S00 or S0 - S0
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

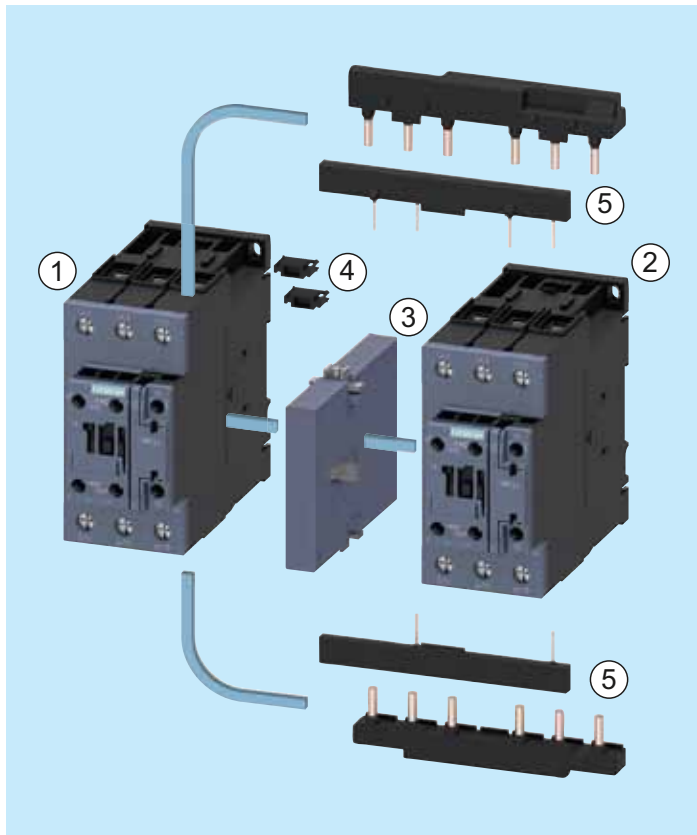
S. No.	Description	Contactor Size	Type*	MRP ₹ (per unit / set)	Std. pkg. (nos.)
A	<u>Assembly Kit</u> Each kit contains: Mechanical interlock, 2 Connecting clips for 2 contactors, wiring modules on the top & bottom	S00-S00	3RA2913-2AA1	590.-	1 Unit
		S0-S0	3RA2923-2AA1	885.-	
B	Each set contains: Mechanical interlock & 2 Connecting clips	S00-S00	3RA2912-2H	320.-	1 pack (1 pack = 10 Sets)
		S0-S0	3RA2922-2H	320.-	

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



## Accessories for 3RT2 Contactors

S2 - S2 or S3 - S3 - Mechanical Interlock & Assembly kit for reversing contactors



### Individual Components

- ① ② Power Contactor Size S2 - S2 or S3 - S3
- ③ Lateral mounted mechanical interlock
- ④ 2 Nos Connecting clips for two contactors
- ⑤ Wiring modules on the top & bottom

S. No.	Description	Contactor Size	Type	MRP ₹ (per unit / set)	Std. pkg. (nos.)
A	<b>Assembly Kit</b> Each kit contains: <ul style="list-style-type: none"> <li>• Two connecting clips for two contactor</li> <li>• Wiring modules on the top &amp; bottom for connecting the main and auxiliary current paths</li> </ul>	S2 - S2	3RA2933-2AA1	980.-	1 Unit
		S3 - S3	3RA2943-2AA1	2060.-	1 Unit
B	Mechanical interlock	S2 - S2	3RA2934-2B	360.-	1 Unit
		S3 - S3			

\* Assembly kit only available for 3 Pole contactors only



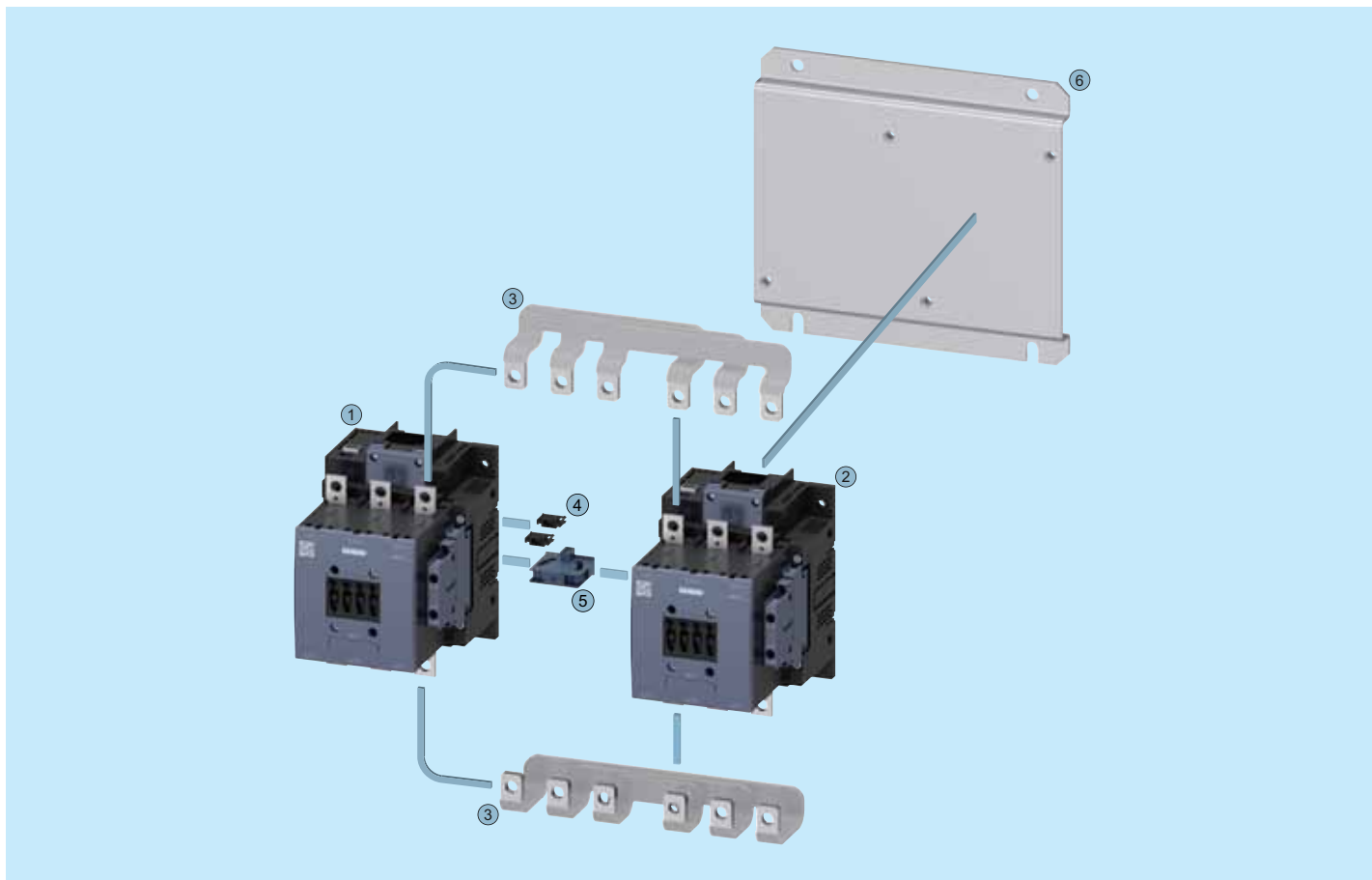
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B

## Accessories for 3RT1 Contactors

### S6 - S6 - Mechanical Interlock & Installation kit for reversing contactors



#### Individual Components

- ① ② Power Contactor Size S6 - S6
- ③ Assembly Kit
- ④ Two connectors for two contactors
- ⑤ Mechanical interlock
- ⑥ Base plate for reversing contactor assemblies

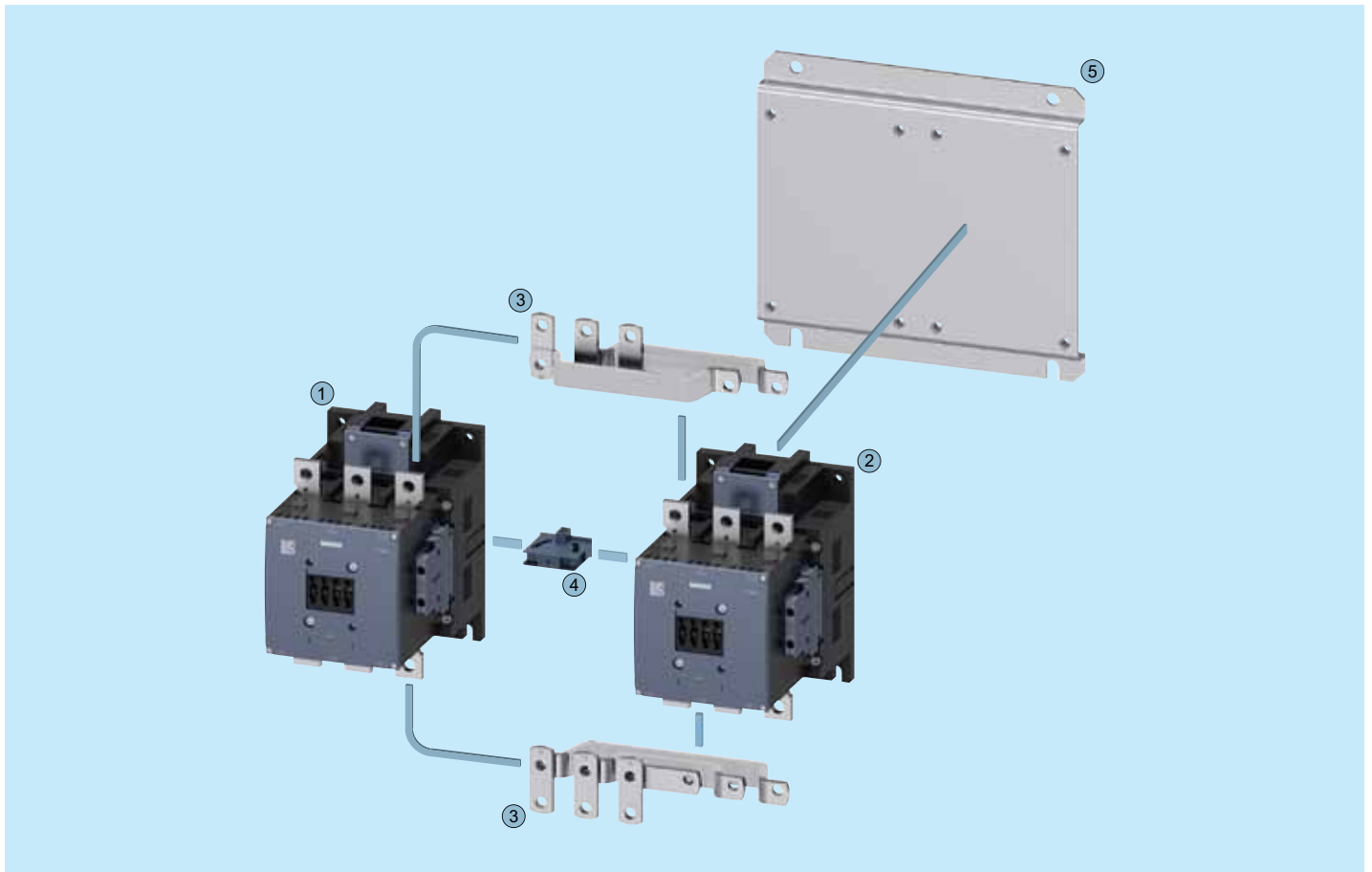
S. No.	Description	Contactor Size	Type	MRP ₹ (per unit / set)	Std. pkg. (nos.)
3	<u>Assembly Kit</u> Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)	S6 - S6	3RA1953-2A	14805.-	1 Unit
4	Two connectors for two contactors	S6 - S6	3RA1932-2D	170.-	1 Pack (1 pack = 10 sets)
5	Mechanical interlock	S6 - S6	3RA1954-2A	1830.-	1 Unit
6	Base plate for reversing contactor assemblies	S6 - S6	3RA1952-2A	2765.-	1 Unit

#### ■ Stock items



## Accessories for 3RT1 Contactors

S10 - S10 or S12 - S12 - Mechanical Interlock & Installation kit for reversing contactors



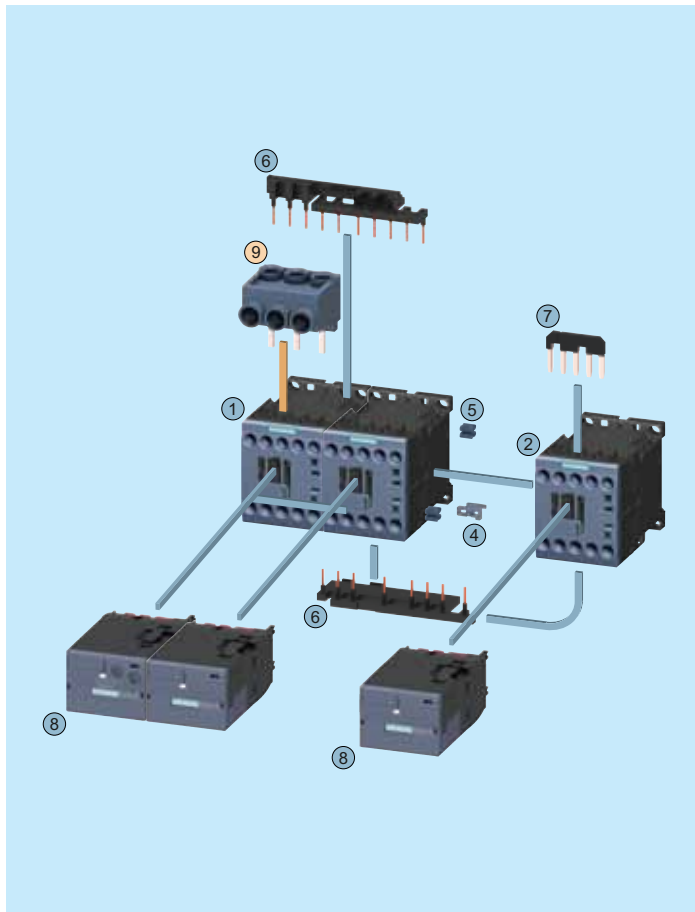
### Individual Components

- ① ② Power Contactor Size S10 - S10 or S12 - S12
- ③ Assembly Kit
- ④ Mechanical interlock
- ⑤ Base plate for reversing contactor assemblies

S. No.	Description	Contactor Size	Type	MRP ₹ (per unit / set)	Std. pkg. (nos.)
3	<b>Assembly Kit</b> Each kit contains: • Wiring modules on the top & bottom for <u>contactors without box terminals</u> for connecting the main and auxiliary current paths, electrical interlock included (NC Contact interlock)	S10 - S10	3RA1963-2A	15790.-	1 Unit
		S12 - S12	3RA1973-2A	16780.-	1 Unit
4	Mechanical interlock	S10 - S10	3RA1954-2A	1830.-	1 Unit
		S12 - S12			
5	Base plate for reversing contactor assemblies	S10 - S10	3RA1962-2A	4150.-	1 Unit
		S12 - S12	3RA1972-2A	4835.-	1 Unit

## Accessories for 3RT2 Contactors

### S00-S00-S00 - Mechanical Interlock & Installation kit for star delta contactor assembly



**Individual Components**

- ① ② ③ Power Contactors:  
Line: S00  
Delta: S00  
Star: S00

**Assembly kit : ④ ... ⑦**

- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal

S. No.	For Contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
A	3RT20 1	<u>Assembly Kit</u> Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper	■ 3RA2913-2BB1*	320.-	1 Unit
B	3RT20 1	Function module	■ 3RA2816-0EW20	3960.-	1 Unit
C	3RT20 1	3-phase feeder terminal (for Screw type contactors only)	■ 3RA2913-3K	480.-	5 Unit

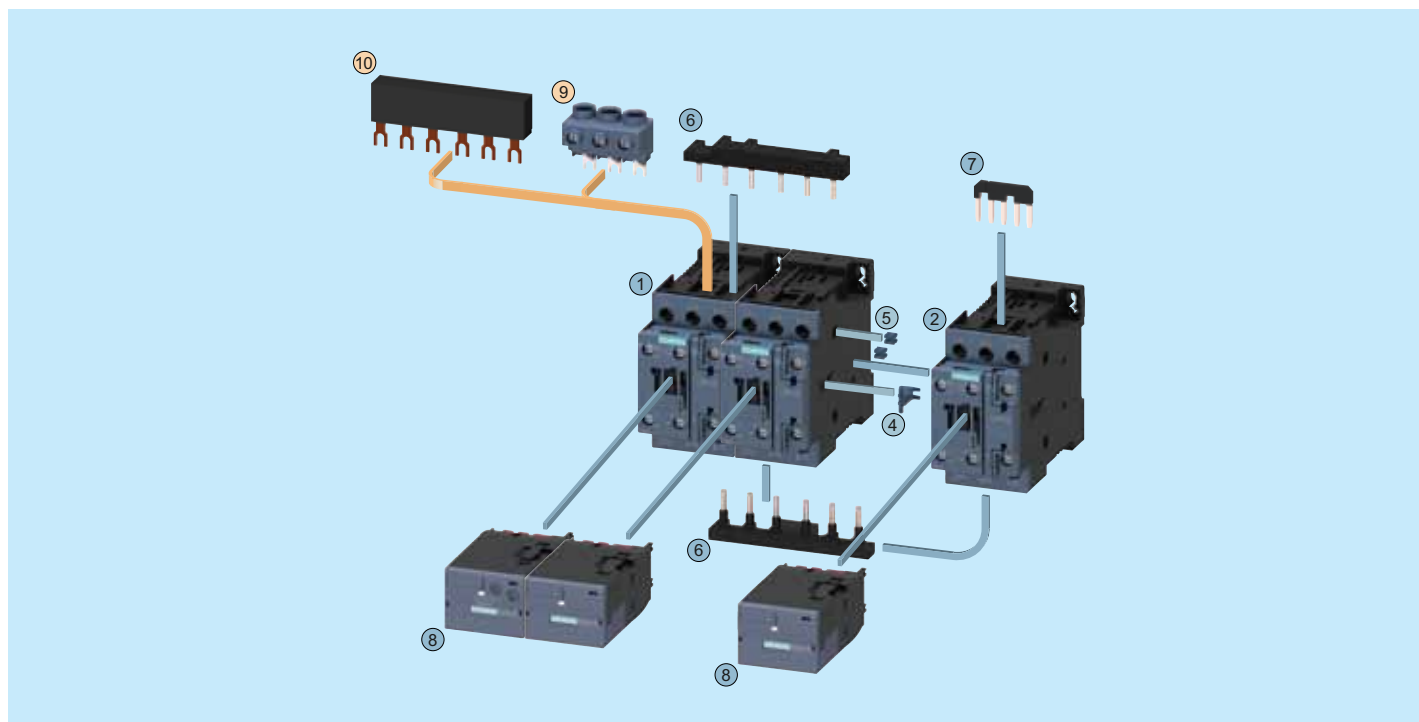
\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'



■ Stock items

## Accessories for 3RT2 Contactors

### S0-S0-S0 - Mechanical Interlock & Installation kit for star delta contactor assembly



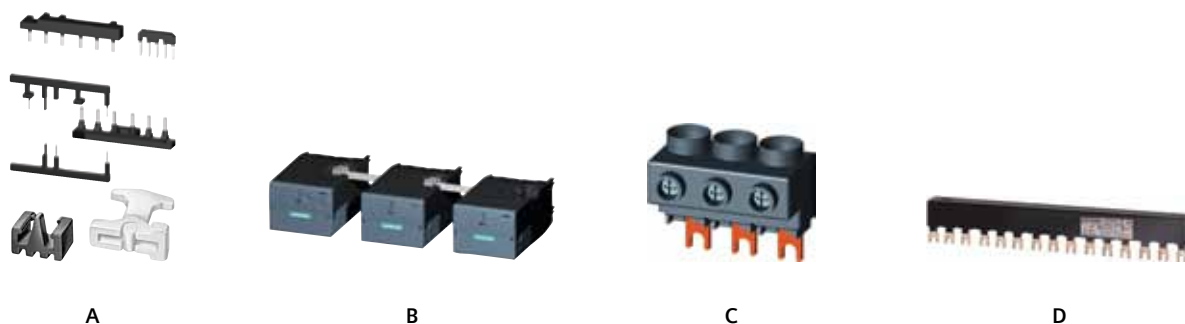
**Individual Components**

- ① ② ③ Power Contactors:  
Line: S0  
Delta: S0  
Star: S0
- ④ Mechanical interlock
- ⑤ 4 Nos Connecting clips for contactors
- ⑥ Wiring modules on the top & bottom for connecting the main and the control path
- ⑦ Star Jumper
- ⑧ Function Module for Star-Delta
- ⑨ 3-phase feeder terminal
- ⑩ 3-phase busbar

**Assembly kit : ④ ... ⑦**

S. No.	For Contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
A	3RT20 2	Installation Kit Each kit contains: Mechanical interlock 4 Connecting clips, wiring modules on the top & bottom, Star jumper	■ 3RA2923-2BB1*	970.-	1 Unit
B	3RT20 2	Function module	■ 3RA2816-0EW20	3960.-	1 Unit
C	3RT20 2	3-phase feeder terminal (for Screw type contactors only)	■ 3RV2925-5AB	1030.-	1 Unit
D	3RT20 2	3-phase busbar (for Screw type contactors only)	■ 3RV1915-1AB	870.-	1 Unit

\* For ordering installation kit with spring type terminals please replace last digit from '1' to '2'

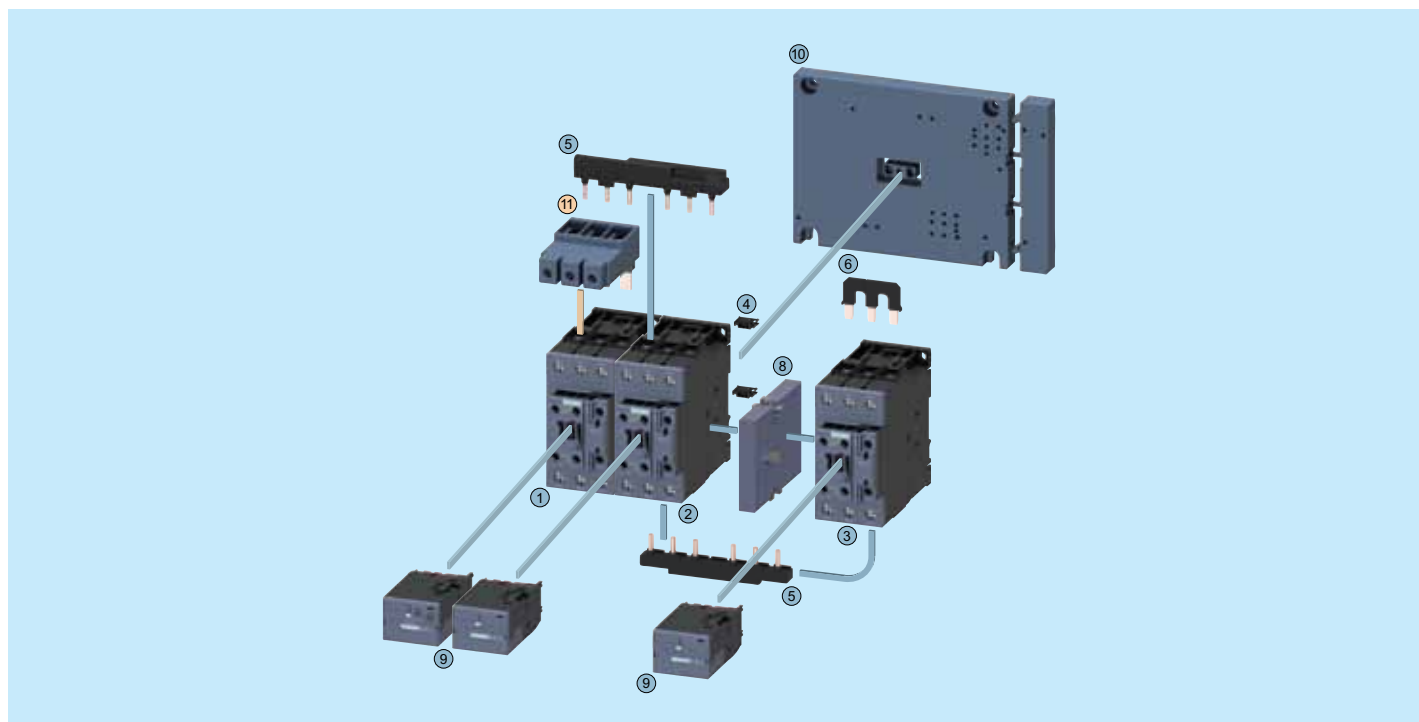


■ Stock items

LP - List Price

## Accessories for 3RT2 Contactors

### S2-S2-S0/S2 - Mechanical Interlock & Installation kit for star delta contactor assembly

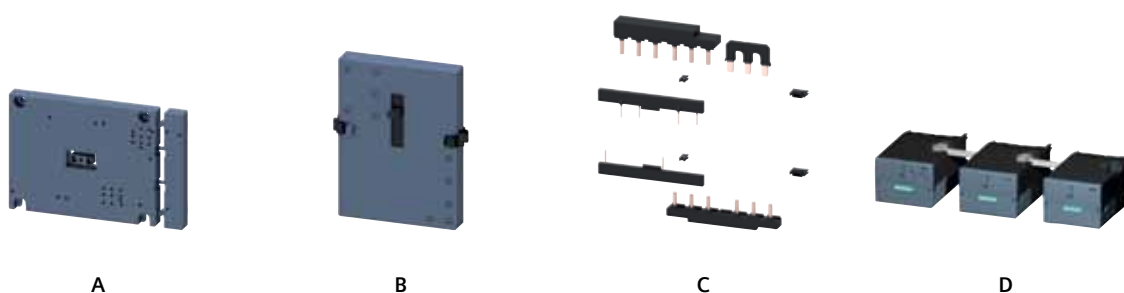


The figure shows the version with screw terminals in S2-S2-S2

#### Individual Components

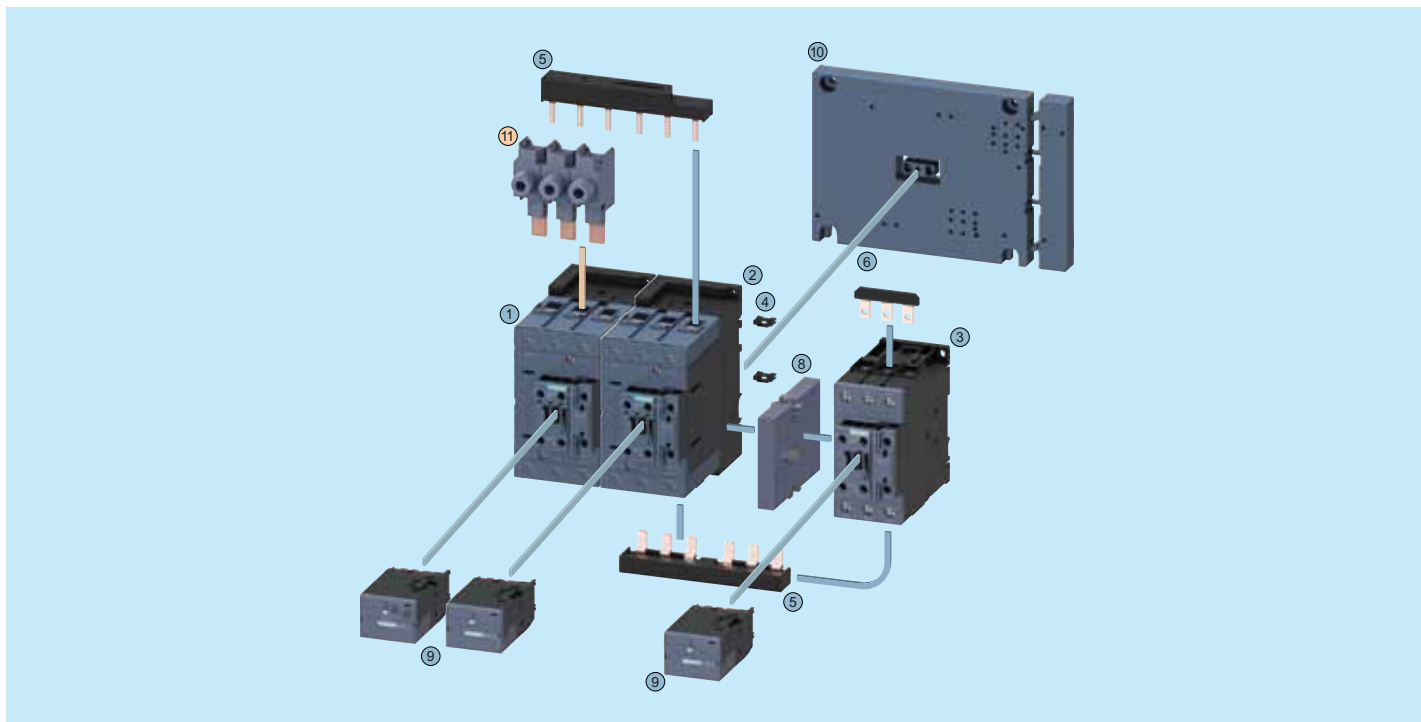
- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:  
S2-S2-S2: 3RA2933-2BB1  
S2-S2-S0: 3RA2933-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

S. No.	For Contactor	Type	LP ₹ (per unit / set)	Std. pkg. (nos.)
A	Base plate	3RA2932-2F	1370.-	1 Unit
B	Mechanical interlock, lateral	3RA2934-2B	360.-	1 Unit
C	Assembly Kit: S2-S2-S2	3RA2933-2BB1	1465.-	1 Unit
	Assembly Kit: S2-S2-S0	3RA2933-2C	1075.-	1 Unit
D	Functional Module	3RA2816-0EW20	3960.-	1 Unit



## Accessories for 3RT2 Contactors

### S3-S3-S2/S3 - Mechanical Interlock & Installation kit for star delta contactor assembly

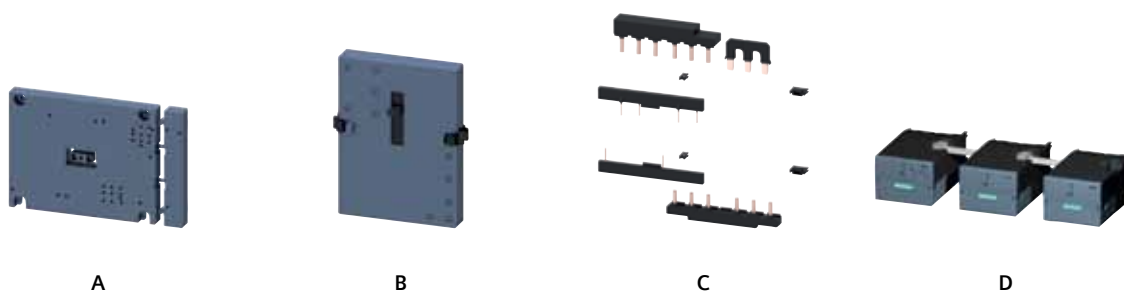


The figure shows the version with screw terminals in S3-S3-S2

#### Individual Components

- ① ② ③ Contactors
- ④ ... ⑦ Assembly kit comprising:  
S3-S3-S3: 3RA2943-2BB  
S3-S3-S2: 3RA2943-2C
- ④ Connectors for three contactors
- ⑤ Wiring modules on top and bottom for connecting the main and auxiliary circuits
- ⑥ Star jumper
- ⑦ Cable for connecting the A2 coil contact from the line contactor with the A2 coil contact of the delta contactor (not shown in the drawing)
- ⑧ Mechanical interlock
- ⑨ Function modules for star-delta (wye-delta)
- ⑩ Base plate star-delta
- ⑪ 3-phase feeder terminal

S. No.	For Contactor	Type	LP ₹ (per unit / set)	Std. pkg. (nos.)
A	Base plate	3RA2942-2F	1920.-	1 Unit
B	Mechanical interlock, lateral	3RA2934-2B	360.-	1 Unit
C	Assembly Kit: S3-S3-S3	3RA2943-2BB1	1350.-	1 Unit
	Assembly Kit: S3-S3-S2	3RA2943-2C	1500.-	1 Unit
D	Functional Module	3RA2816-0EW20	3960.-	1 Unit

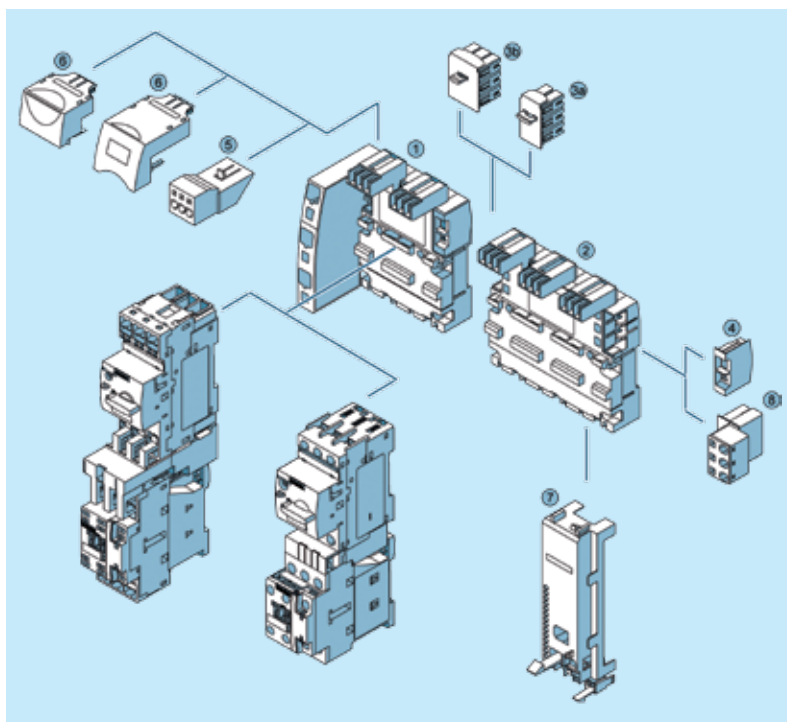


■ Stock items

LP - List Price

## 3RV29 Infeed system

The 3RV29 infeed system is a convenient means of energy supply and distribution for a group of several motor starter protectors or complete load feeders with a screw or spring-type connection in sizes S00 and S0.



### Individual Components

- ① 3-phase busbar with infeed
- ② 3-phase busbar for system expansion
- ③a Expansion plug
- ③b Extra-wide expansion plug
- ④ End cover
- ⑤ Terminal block for device infeed
- ⑥ Plug-in connector
- ⑦ Contactor base
- ⑧ Terminal block

- Maximum current carrying capacity of 63 A
- Enables the integration of MPCB's, 1-phase, 2-phase and 3-phase components such as 5SY miniature circuit breakers or SIRIUS relay components.
- Approved in accordance with IEC to 500 V.
- UL-approved and authorized for Type E starter and Type F starter.

Legend	Type of accessory	Version	For 3RV20, 3RV23, 3RV24 MPCB only	Type	Unit LP ₹	Std. pkg. (nos.)
①*	Three-phase busbars with infeed (incl. 3RV2917-6A end cover)	For 2 motor starter protectors with screw or spring-type terminals With infeed on the left	S00, S0	3RV2917-1A	1425.-	1
		For 2 motor starter protectors with screw or spring-type terminals With infeed on the Right	S00, S0	3RV2917-1E	1425.-	1
②+	Three-phase busbars for system expansion (incl. 3RV2917-5BA00 expansion plug )	For 2 motor starter protectors with screw or spring-type terminals	S00, S0	3RV2917-4A	865.-	1
		For 3 motor starter protectors with screw or spring-type terminals	S00, S0	3RV2917-4B	1145.-	1
③+	Expansion Plug (as spare part)			3RV2917-5BA00	290.-	1
	Extra-wide expansion plugs (as accessory)			3RV2917-5E	645.-	1
④+	End covers ( as spare part)			3RV2917-6A	35.-	10
⑤+	Terminal blocks	for device infeed		3RV2917-5FA00	980.-	1
⑥*	Plug-in connectors to make contact with motor starter protectors	For spring-type terminals	S00	3RV2917-5AA00	250.-	1
			S0	3RV2927-5AA00	250.-	1
		For Screw-type terminals	S00	3RV2917-5CA00	250.-	1
			S0	3RV1927-5AA00	285.-	1
⑦^	Contactor bases for mounting direct-on-line or reversing starters	For contactors	contactors S00, S0	3RV2927-7AA00	210.-	1
⑧+	Terminal blocks	for integration of single-phase, two-phase and three-phase components		3RV2917-5D	1020.-	1

\* Required      + Optional      ^ Required for Reversing DOL

## Spares coils



### Magnetic coils for 3RT2 (S0, S2, S3)

Size	AC Coil					Universal Coil (AC/DC)					
	Contactor type	Rated control supply voltage $U_s$ at 50/60 Hz V AC	Type	Unit MRP ₹	Std. pkg. (nos.)	Contactor type	Rated control supply voltage $U_s$ V DC	Type	Unit MRP ₹	Std. pkg. (nos.)	
S0	3RT20 23 3RT20 24 3RT20 25	24V	3RT2924-5AC21	545.-	1						
		110V	3RT2924-5AG21		1						
		230V	3RT2924-5AL21		1						
		400V, 50Hz	3RT2924-5AV01		1						
	3RT20 26 3RT20 27 3RT20 28 3RT23 25 3RT23 26 3RT25 26	24V	3RT2926-5AC21		1						
		110V	3RT2926-5AG21		1						
		230V	3RT2926-5AL21		1						
		400V, 50Hz	3RT2926-5AV01		1						
S2	3RT20 3 3RT23 3 3RT25 3	24V	3RT2934-5AC21	2425.-	1	3RT20 3 3RT23 3 3RT25 3	20 ... 33	3RT2934-5NB31	3075.-	1	
		110V	3RT2934-5AG21		1		83 ... 155	3RT2934-5NF31		1	
		230V	3RT2934-5AL21		1		175 ... 280	3RT2934-5NP31		1	
S3	3RT20 4 3RT23 4 3RT25 4	24V	3RT2944-5AB01	2550.-	1	3RT20 4 3RT23 4 3RT25 4	20 ... 33	3RT2944-5NB31	3450.-	1	
		110V	3RT2944-5AF01		1		83 ... 155	3RT2944-5NF31		1	
		230V	3RT2944-5AP01		1		175 ... 280	3RT2944-5NP31		1	

### Magnetic coils for 3RT1 (S3)

Size	AC Coil					DC Coil					
	Contactor type	Rated control supply voltage $U_s$ at 50/60 Hz V AC	Type	Unit MRP ₹	Std. pkg. (nos.)	Contactor type	Rated control supply voltage $U_s$ V DC	Type	Unit MRP ₹	Std. pkg. (nos.)	
S3	3RT10 44	24V	3RT1944-5AC21	2595.-	1	3RT10 4 3RT13 4 3RT14 4 3RT15 4	24V	3RT1944-5BB41	3290.-	1	
		110V	3RT1944-5AG21		1		110V	3RT1944-5BF41		1	
		230V	3RT1944-5AL21		1		220V	3RT1944-5BM41		1	
		400V	3RT1944-5AV01		1						
	3RT10 45/46 3RT13 4. 3RT14 46 3RT15 4.	24V	3RT1945-5AC21		1						
		110V	3RT1945-5AG21		1						
		230V	3RT1945-5AL21		1						
		400V	3RT1945-5AV01		2720.-	1					

Withdrawable coils (S10, S12)

Conventional operating mechanism

Size	AC Coil				
	Contacteur type	Rated control supply voltage U <sub>c</sub> at 40 to 60Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S10	3RT12 6	23...26V AC/DC	3RT1966-5AB31	8050.-	1
		110...127V AC/DC	3RT1966-5AF31		1
		220...240V AC/DC	3RT1966-5AP31		1
S12	3RT12 7	23...26V AC/DC	3RT1975-5AB31	9680.-	1
		110...127V AC/DC	3RT1975-5AF318K		1
		220...240V AC/DC	3RT1975-5AP318K		1

Solid-state operating mechanism (24V DC PLC output)

Size	DC Coil				
	Contacteur type	Rated control supply voltage U <sub>c</sub> at 40 to 60Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S10	3RT12 6	96...127V	3RT1966-5NF31	10380.-	1
		200...277V	3RT1966-5NP31		1
S12	3RT12 7	21...27.3V	3RT1975-5NB31	13705.-	1
		96...127V	3RT1975-5NF31		1
		200...277V	3RT1975-5NP31		1

For 24 V DC PLC output/PLC relay output, with remaining lifetime indicator (RLT) [Withdrawable coil with lateral solid-state module]

Size	AC Coil				
	Contacteur type	Rated control supply voltage U <sub>c</sub> at 40 to 60Hz AC, DC V AC/DC	Type	Unit LP ₹	Std. pkg. (nos.)
S6	3RT10 5 3RT14 5	96...127V AC/DC	3RT1955-5PF31	15570.-	1
		200...277V AC/DC	3RT1955-5PP31	15570.-	1
S10	3RT10 6 3RT14 6	96...127V AC/DC	3RT1965-5PF31	19730.-	1
		200...277V AC/DC	3RT1965-5PP31	19730.-	1
S12	3RT10 7 3RT14 7	96...127V AC/DC	3RT1975-5PF31	26315.-	1
		200...277V AC/DC	3RT1975-5PP31	26315.-	1



Spare parts for 3RT, 3RH contactors and contactor relays

Arc Chambers for 3RT10 / 3RT14

Size	Contacteur type	Version	Type	Unit LP ₹	Std. pkg. (nos.)	
S6		Arc chutes 3-pole	3RT1954-7A	2460.-	1	
			3RT1955-7A	2785.-	1	
			3RT1956-7A	3065.-	1	
S10			3RT1964-7A	3145.-	1	
			3RT1965-7A	3395.-	1	
			3RT1966-7A	3505.-	1	
S12			3RT1975-7A	3945.-	1	
			3RT1976-7A	4060.-	1	
S6	3RT14 56 <sup>1)</sup>			3RT1956-7B	4075.-	1
S10	3RT14 66 <sup>1)</sup>			3RT1966-7B	4760.-	1
S12	3RT14 76 <sup>1)</sup>		3RT1976-7B	5630.-	1	

1) For 3RT14 AC-1 duty power contactors

Adaptor plates

Description (Adaptor plates for using in place of 3TF/3TR contactors)	Type	Unit LP ₹	MOQ
3RT10/3RT20 15/16/17 replacing 3TF/3TR 30/31	3TX80120A	100.-	5
3RT10/3RT20 25/26 replacing 3TF/3TR 32/33	3TX80250A	150.-	5
3RT10 34/35 replacing 3TF/3TR 34/35	3TX80400A	210.-	5
3RT10 36 replacing 3TF/3TR 46	3TX80500A	245.-	5
3RT10 44/45 replacing 3TF/3TR 47 / 3TF 477	3TX80800A	500.-	1
3RT10 45/46 replacing 3TF/3TR 48/49	3TX80950A	515.-	1
3RT10 56 replacing 3TF/3TR 52	3TX81850A	895.-	1
3RT10 64 replacing 3TF/3TR 53	3TX82250A	955.-	1

To replace existing contactor of any other brand please contact nearest sales office.

Description (Adaptor plates for using in place of old relay terminal block required for independent mounting)	Type	Unit LP ₹	MOQ
3RU29/3RU19 (1.8-25A) replacing 3UA/3UR 52 (1-25A)	3UX8025	245.-	1
3RU19 (5.5-50A) replacing 3UA/3UR 55 (10-45A)	3UX8050	290.-	1
3RU19 (18-100A) replacing 3UA/3UR 58 (16-95A) & replacing 3UA/3UR 5830 (70-120A)	3UX8100	330.-	1



## Contacts with fixing parts

**For 3RT20 & 3RT10, 3 pole power contactors**  
1 set = 3 moving and 6 fixed switching contacts  
with fixing parts

Size	Contact type	Type	Unit LP ₹	Std. pkg. (nos.)
S2	3RT20 36	3RT2936-6A	3055.-	1
	3RT20 37	3RT2937-6A	4070.-	1
	3RT20 38	3RT2938-6A	5420.-	1
S3	3RT20 46	3RT2946-6A	5500.-	1
	3RT20 47	3RT2947-6A	7440.-	1
S3	3RT10 44	3RT1944-6A	4150.-	1
	3RT10 45	3RT1945-6A	5525.-	1
	3RT10 46	3RT1946-6A	7440.-	1
S6	3RT10 54	3RT1954-6A	8120.-	1
	3RT10 55	3RT1955-6A	10190.-	1
	3RT10 56	3RT1956-6A	12970.-	1
S10	3RT10 64	3RT1964-6A	14700.-	1
	3RT10 65	3RT1965-6A	16425.-	1
	3RT10 66	3RT1966-6A	19375.-	1
S12	3RT10 75	3RT1975-6A	25585.-	1
	3RT10 76	3RT1976-6A	32855.-	1

**For 3RT14 AC-1 duty power contactors**  
1 set = 3 movable and 6 fixed switching elements  
with fixing parts

Size	Contact type	Type	Unit LP ₹	Std. pkg. (nos.)
S3	3RT14 46	3RT1946-6D	12270.-	1
S6	3RT14 56	3RT1956-6D	19710.-	1
S10	3RT14 66	3RT1966-6D	30700.-	1
S12	3RT14 76	3RT1976-6D	39415.-	1

**For 3RT23 & 3RT13, 4 pole AC-1 duty contactors**  
1 set = 4 movable and 8 fixed switching elements  
with fixing parts

Size	Contact type	Type	Unit LP ₹	Std. pkg. (nos.)
S2	3RT23 36	3RT2936-6E	3740.-	1
	3RT23 37	3RT2937-6E	4310.-	1
S3	3RT13 44	3RT1944-6E	11410.-	1
	3RT13 46	3RT1946-6E	14270.-	1

## Spares for 3RT12 vacuum contactors

For contactor	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Spare coils</b>			
3RT126	4)	3RT1966-5A..1	8050.-
3RT127	23 ... 26 380 ... 420 110 ... 127 220 ... 240	3RT1975-5AB31 3RT1975-5AV31 3RT1975-5AF318K 3RT1975-5AP318K	9680.- 9680.- 9475.- 9475.-
<b>Solid state operating mechanism</b>			
3RT126	96... 127V AC/DC 200...277V AC/DC	3RT1966-5NF31 3RT1966-5NP31	10380.- 10380.-
3RT127	200...277V AC/DC	3RT1975-5NP31	13705.-
<b>Spare vacuum bottles (set of 3)</b>			
3RT1264 3RT1265 3RT1266		3RT1964-6V 3RT1965-6V 3RT1966-6V	52105.- 60165.- 73400.-
3RT1275 3RT1276		3RT1975-6V 3RT1976-6V	88700.- 106765.-

4) Coil voltage (AC/DC) - Please enter coil codes from table below

Code	B3	F3	P3	V3
Coil voltage (V)	23-26	110-127	220-240	380-420



Siemens switchgear. Tried, tested, trusted.

## Contactor relays - SICONT<sup>Plus</sup> 3TH3

Contactor size	Rated current (A) le AC15 at 230V	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LP*s for 24, 110, 220, 250V)			
		Aux. contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Aux. contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
0	10	4NO <sup>5</sup>	■ 3TH3040-0A..	1075.-	1	4NO <sup>5</sup>	■ 3TH3040-0B..	1525.-	1
		3NO + 1NC <sup>5</sup>	■ 3TH3031-0A..		1	3NO + 1NC <sup>5</sup>	■ 3TH3031-0B..		1
		2NO + 2NC <sup>5</sup>	■ 3TH3022-0A..		1	2NO + 2NC <sup>5</sup>	■ 3TH3022-0B..		1

## Power contactors - SICOP 3TF

Size	Rated current (A) le AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220, 250V)			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
0	9	4	1NO <sup>5</sup>	■ 3TF3010-0A..	960.-	1	1NO <sup>5</sup>	■ 3TF3010-0B..	1655.-	1
			1NC <sup>5</sup>	■ 3TF3001-0A..			1NC <sup>5</sup>	■ 3TF3001-0B..		
	12	5.5	1NO <sup>5</sup>	■ 3TF3110-0A..	1065.-	1	1NO <sup>5</sup>	■ 3TF3110-0B..	1785.-	1
			1NC <sup>5</sup>	■ 3TF3101-0A..			1NC <sup>5</sup>	■ 3TF3101-0B..		
1	16	7.5	- <sup>5</sup>	■ 3TF3200-0A..	1085.-	1	- <sup>5</sup>	■ 3TF3200-0B..	2070.-	1
	22	11	- <sup>5</sup>	■ 3TF3300-0A..	1480.-	1	- <sup>5</sup>	■ 3TF3300-0B..	2730.-	1
2	32	15	- <sup>5</sup>	■ 3TF3400-0A..	3285.-	1	- <sup>5</sup>	■ 3TF3400-0B..	6445.-	1
	38	18.5	- <sup>5</sup>	■ 3TF3500-0A..	4940.-	1	- <sup>5</sup>	■ 3TF3500-0B..	7465.-	1
	40	18.5	- <sup>5</sup>	■ 3TF3500-0A..ZT00^	5015.-	1	- <sup>5</sup>	■ 3TF3500-0B..ZT00^	7535.-	1

Size	Rated current (A) le AC3 upto 415V	Motor kW at 415V 50Hz, 3ph	AC 50 Hz coil (LPs for 110, 230, 415V)				DC coil (LPs for 24, 110, 220, 250V)			
			Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)	Auxiliary contacts	Type Pl. fill in coil voltage code	Unit LP ₹	Std. pkg. (nos.)
3	45	22	2NO + 2NC <sup>5</sup>	■ 3TF4602-0A..ZA01 <sup>®</sup>	6760.-	1	2NO + 2NC	3TF4602-0D..ZA01 <sup>®</sup>	10535.-	1
	63	30	2NO + 2NC <sup>5</sup>	■ 3TF4702-0A..ZA01 <sup>®</sup>	9775.-	1	2NO + 2NC	3TF4702-0D..ZA01 <sup>®</sup>	12230.-	1
	65	30	2NO + 2NC <sup>5</sup>	■ 3TF4702-0A..ZT00^	9845.-	1	2NO + 2NC <sup>5</sup>	3TF4702-0D..ZT00^	12345.-	1
	70	37	2NO + 2NC <sup>5</sup>	■ 3TF4772-0A..	10575.-	1	2NO + 2NC	3TF4772-0D..	13585.-	1
4	75	42	2NO + 2NC <sup>5</sup>	■ 3TF4822-0A..ZA01 <sup>®</sup>	12425.-	1	2NO + 2NC	3TF4822-0D..ZA01 <sup>®</sup>	15215.-	1
	85	45	2NO + 2NC <sup>5</sup>	■ 3TF4922-0A..ZA01 <sup>®</sup>	14585.-	1	2NO + 2NC	3TF4922-0D..ZA01 <sup>®</sup>	17685.-	1
6	110	55	2NO + 2NC <sup>5</sup>	■ 3TF5002-0A..	17645.-	1	2NO + 2NC	3TF5002-0D..	20225.-	1
	140	75	2NO + 2NC <sup>5</sup>	■ 3TF5102-0A..	23500.-	1	2NO + 2NC	3TF5102-0D..	28040.-	1
8	170	90	2NO + 2NC <sup>5</sup>	■ 3TF5202-0A..	30820.-	1	2NO + 2NC	3TF5202-0D..	36380.-	1
	205	110	2NO + 2NC <sup>5</sup>	■ 3TF5302-0A..	33710.-	1	2NO + 2NC	3TF5302-0D..	40670.-	1
10	250	132	2NO + 2NC <sup>5</sup>	■ 3TF5402-0A..	39090.-	1	2NO + 2NC	3TF5402-0D.. <sup>1)</sup>	45390.-	1
	300	160	2NO + 2NC <sup>5</sup>	■ 3TF5502-0A..	47765.-	1	2NO + 2NC	3TF5502-0D.. <sup>1)</sup>	52200.-	1
12	400	200	2NO + 2NC <sup>5</sup>	■ 3TF5602-0A..	57605.-	1	2NO + 2NC	3TF5602-0D.. <sup>1)</sup>	62020.-	1
	475	250	2NO + 2NC <sup>5</sup>	■ 3TF5702-0C..	81035.-	1	refer page no. 6			
14	630	355	4NO + 4NC	3TF6844-0C..	refer	1	3NO + 3NC	3TF6833-1D.. <sup>2)</sup>	refer	1
	820	450	4NO + 4NC	3TF6944-0C..	page no. 10	1	3NO + 3NC	3TF6933-1D.. <sup>2)</sup>	page no. 10	1

1) Please connect DC coil circuit as recommended in operating instruction.

2) LP\* includes control contactor

@ For box type (SIGUT) terminals, order 2 nos 3TX7 460-0E, LP\* ₹ 355.- each.

\$ For more aux. contacts, pl. see table below.

^ For B0,F0,P0 and B4 coil voltage only available

### AC 50Hz coil code: 3TF30 to 3TF56, 3TH3

Coil voltage (V)	24	42	■ 110	■ 230	■ 415
Code	B0	D0	F0	P0	R0

### Wide band AC 50 Hz coil code: 3TF30 to 3TF35

Coil voltage (V)	70-140	150-280	260-460
Code	W110	W220	W415

### AC 50/60 Hz coil code: 3TF57/3TF68/69

Coil voltage (V)	110-132	■ 220-240	380-460
Code	F7	M7	Q7

### DC coil code: 3TF30 to 3TF56, 3TF68/69, 3TH3

Coil voltage (V)	■ 24	42	48	110	220	250+
Code	B4	D4	W4	F4	M4	N4

+ For 3TF3, 3TH3 only

■ Stock items

Please order in multiples of standard packing.

### Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TF30 to 35 & 3TH30	1NO	■ 3TX4010-2A	150.-	10
	1NC	■ 3TX4001-2A	150.-	10
	1NO (Extd)	■ 3TX4010-4A	240.-	10
	1NC (Extd)	■ 3TX4001-4A	240.-	10
3TF46 to 3TF57, 3TK5	Second 1NO+1NC Left	■ 3TY7561-1KA008K	710.-	1
	Second 1NO+1NC Right			

### Extra LP per unit for non-std coils B0 / D0 / M0# / U0# (AC), D4/W4 (DC) and wide band

for 3TH, 3TF30 to 33	185.-	for 3TF34 to 49	220.-	for 3TF50 to 56	600.-
Wide band coil for 3TH, 3TF30 to 33	185.-	Wide band coil for 3TF34/35	220.-		

For any non-standard coil or contactor with non standard coil, minimum order quantity should be 100 nos. or minimum order value of ₹1,00,000/- per item.

For non-standard coil voltages not mentioned above, pl. check with Siemens.

# M0: 220V AC, U0: 240V AC

## 2 Pole DC contactors - 3TC



For DC loads  
with AC coil, 2NO+2NC aux. contacts

Contactor size	Rated current Ie (A) DC3/5	Type <sup>2)</sup>	Unit LP ₹	Std. pkg. (nos.)
2	32	3TC4417-0B..	14460.-	1
4	75	3TC4817-0B..	71990.-	1
8	220	3TC5217-0B..	121185.-	1
12	400	3TC5617-0B..	206960.-	1

<sup>2)</sup> AC coil voltage - Please enter coil codes from table below

Code	F0	U0
Coil voltage (V) (50Hz)	110	240

with DC coil, 2NO + 2NC aux. contacts

Contactor size	Rated current Ie (A) DC3/5	Type <sup>3)</sup>	Unit LP ₹	Std. pkg. (nos.)
2	32	3TC4417-0A..	19960.-	1
4	75	3TC4817-0A..	86710.-	1
8	220	3TC5217-0A..	148980.-	1
12	400	3TC5617-0A..	275010.-	1

<sup>3)</sup> DC coil voltage - Please enter coil codes from table below

Code	B4	F4	M4
Coil voltage (V)	24	110	220

## Hoisting duty contactors - 3TF

For high switching frequency / inching applications  
with AC coils, 2NO+2NC aux. contacts

Contactor size	Rated current Ie (A) AC2/AC3 at 415V	Type <sup>1)</sup>	Unit LP ₹	Std. pkg. (nos.)
6	110	3TF5000-0A..	18550.-	1
8	170	3TF5200-0A..	32250.-	1
10	250	3TF5400-0A..	40330.-	1
12	400	3TF5600-0A..	60625.-	1

<sup>1)</sup> AC coil voltage - Please enter coil codes from table below

Code	F0	P0	R0
Coil voltage (V) (50Hz)	110	230	415

## Accessories for SICOP / SICONT<sup>Plus</sup>

Interlocking kit for two 3TF contactors  
(inclusive of base plate and interlocking mechanism)

Contactor type	Type	Unit LP ₹	Std. pkg. (kits)
3TF30-35	■ 3TX4091-1A <sup>#</sup>	490.-	10
3TF46/47/47-7	■ 3TX7466-1YA0	1720.-	2
3TF48/49	■ 3TX7486-1YA0	2800.-	2
3TF50/51	■ 3TX7506-1YA0	3155.-	2
3TF52/53	■ 3TX7526-1YA0	3610.-	2
3TF54/55	■ 3TX7546-1YA0	4340.-	2
3TF56/57	■ 3TX7566-1YA0	4635.-	2
3TF50/52	3TX7526-1YA09	3610.-	2
3TF52/54	■ 3TX7546-1YA09	4340.-	2

Note: Higher rating upon enquiry <sup>#</sup> W/o base plate (not required)

Adaptor plates for replacing 3TA by SICOP contactors

Adaptor plates, to replace	Type	Unit LP ₹	Std. pkg. (nos.)
3TA61-0A by 3TH30-0A	3TX6406-0A	90.-	5
3TA67/21 by 3TH30, 3TF30/31 3TA21/11 by 3TF32/33	3TX2143-1YA0	90.-	5
3TA22/13 by 3TF32-35	3TX2242-1YA0	140.-	5
3TA24 by 3TF46/47/477	3TX2446-1YA0	210.-	5
3TA24/16 by 3TF48/49	3TX1648-1YA0	210.-	5
3TA16 by 3TF50/51	3TX1650-1YA0	510.-	5
3TA28 by 3TF50/51	3TX2850-1YA0	510.-	5
3TA28 by 3TF52/53	3TX2852-1YA0	600.-	5



Coil voltage		Type	Unit LP ₹	Std. pkg. (nos.)
AC	DC			
<b>Surge suppressor (varistor) for 3TF30-35, 3TH30</b>				
24 - 48 V	24 - 70 V	■ 3TX7402-3GY1	440.-	10
48 - 127V	70 - 150V	■ 3TX7402-3HY1	440.-	10
127 - 240V	150 - 250V	■ 3TX7402-3JY1	440.-	10
240 - 400V	—	3TX7402-3KY1	565.-	10
400 - 600V	—	3TX7402-3LY1	565.-	10
<b>Surge suppressor (varistor) for 3TF46-56</b>				
Less than 48V	24 - 70V	■ 3TX7462-3GY1	605.-	10
48 - 127V	70 - 150V	■ 3TX7462-3HY1		10
127 - 240V	150 - 250V	■ 3TX7462-3JY1		10
240 - 400V	—	3TX7462-3KY1	635.-	10
400 - 600V	—	3TX7462-3LY1	635.-	10
<b>Surge suppressor (RC unit) for 3TF30-35, 3TH30</b>				
24 - 48 V	24 - 70 V	3TX7402-3RY2	700.-	10
48 - 127V	70 - 150V	3TX7402-3SY2		10
127 - 240V	150 - 250V	3TX7402-3TY2		10
240 - 400V	—	3TX7402-3UY2		10
400 - 600V	—	3TX7402-3VY2		10

## Spares for SICOP and SICONT<sup>Plus</sup> contactors

### SICOP main contact kits (set of 6 fixed & 3 moving contacts)

For Contactor (AC3 Rating)	Type	LP per set ₹	Std. pkg. (nos.)
3TF32/42 (16A)	■ 3TY7420-0A	675.-	1
3TF33/43 (22A)	■ 3TY7430-0A	945.-	1
3TF34 (32A)	■ 3TY7340-0C	1810.-	1
3TF35 (38A)	■ 3TY7350-0C	2760.-	1
3TF44 (32A)	■ 3TY7440-0A	2000.-	1
3TF45 (38A)	■ 3TY7450-0A	2760.-	1
3TF46 (45A)	■ 3TY7460-0YA	2955.-	1
3TF47 (63A)	■ 3TY7470-0YA	4315.-	1
3TF477 (70A)	■ 3TY7477-0YA	5000.-	1
3TF48 (75A)	■ 3TY7480-0A	5755.-	1
3TF49 (85A)	■ 3TY7490-0A	7710.-	1
3TF50 (110A)	■ 3TY7500-0YA	8405.-	1
3TF51 (140A)	■ 3TY7510-0YA	10575.-	1
3TF52 (170A)	■ 3TY7520-0YA	13290.-	1
3TF53 (205A)	■ 3TY7530-0YA	14185.-	1
3TF54 (250A)	■ 3TY7540-0YA	17055.-	1
3TF55 (300A)	■ 3TY7550-0YA	20055.-	1
3TF56 (400A)	■ 3TY7560-0YA	26535.-	1
3TF57 (475A)	3TY7570-0YA	35360.-	1
3TF68 (630A)	3TY7680-0B <sup>§</sup>	179720.-	1
3TF69 (820A)	3TY7690-0B <sup>§</sup>	288750.-	1

§ Set of 3x vacuum bottles.

### Auxiliary contact blocks

For contactor	Description	Type	Unit LP ₹	Std. pkg. (nos.)
3TF46-57	1NO + 1NC (Extd) Right	3TY7561-1E	915.-	1
3TF46 to 3TF57, 3TK5	Built-in, 1NO+1NC Left / Right	3TY7561-1AA00-8K	710.-	1
	Add-on, Second 1NO+1NC Left / Right	3TY7561-1KA00-8K	710.-	1
3TF46/47/47 7	Special block, DC coil circuit	3TY7461-1F	935.-	1
3TF48-56	Special block, DC coil circuit	3TY7481-1F	935.-	1
3TF57	Special block, DC coil circuit	3TY7681-1G	1080.-	1

### DC coils

For contactor	Type <sup>†</sup>	Unit LP ₹		Std. pkg. (nos.)
		For 24/110/220/250V	For all other coil voltages	
3TH3, 3TF30-33/42/43	■ 3TY4803-0B..	825.-	975.-	1
3TF34/35/44/45	3TY7443-0B..	1240.-	1460.-	1
3TF46/47/477	3TY7463-0D..	3810.-	4020.-	1
3TF48/49	3TY7483-0D..	6520.-	6745.-	1
3TF50/51	3TY7503-0D..	10195.-	10780.-	1
3TF52/53	3TY7523-0D..	15840.-	NA	1

### ■ Stock items

### SICOP arc chambers

For Contactor	Type	Unit LP ₹	Std. pkg. (nos.)
3TF34	3TY7342-0C	490.-	1
3TF35	3TY7352-0C	520.-	1
3TF46	3TY7462-0YA	1015.-	1
3TF47	3TY7472-0YA	1240.-	1
3TF477	3TY7477-0YD	1490.-	1
3TF48	3TY7482-0A	1795.-	1
3TF49	3TY7492-0A	2070.-	1
3TF50	3TY7502-0YA	2460.-	1
3TF51	3TY7512-0YA	2805.-	1
3TF52	3TY7522-0YA	3075.-	1
3TF53	3TY7532-0YA	3170.-	1
3TF54	3TY7542-0YA	3420.-	1
3TF55	3TY7552-0YA	3520.-	1
3TF56	3TY7562-0YA	3965.-	1
3TF57	3TY7572-0YA	4075.-	1

### AC coils (50 Hz)

For contactor	Type <sup>†</sup>	Unit LP ₹		Std. pkg. (nos.)
		For 110/230/415V 50Hz	For all other coil voltages	
3TH3, 3TF30-33/42/43	■ 3TY7403-0A..	605.-	690.-	1
3TF34/35/44/45	■ 3TY7443-0A..	745.-	965.-	1
3TF46/47/477	■ 3TY7463-0A..	1295.-	1510.-	1
3TF48/49	■ 3TY7483-0A..	2370.-	2590.-	1
3TF50/51, 3TK50	■ 3TY7503-0A..	2410.-	3000.-	1
3TF52/53, 3TK52	■ 3TY7523-0A..	3050.-	3640.-	1
3TF54/55, 3TK54	■ 3TY7543-0A..	3690.-	4280.-	1
3TF56, 3TK56	■ 3TY7563-0A..	5365.-	6535.-	1
3TF57	3TY7573-0C..	16105.-	NA	1
3TF68	3TY7683-0C..	40585.-	NA	1
3TF69	3TY7693-0C..	77110.-	NA	1

† Pl. add coil voltage code from table on page no. 34.

110V, 230V, 415V are stock items for 3TH, 3TF30-56

24V is stock item only for 3TH30/3TF30/31/32/33

For contactor	Type <sup>†</sup>	Unit LP ₹		Std. pkg. (nos.)
		For 24/110/220/250V	For all other coil voltages	
3TF54/55	3TY7543-0D..	25165.-	NA	1
3TF56	3TY7563-0D..	28305.-	NA	1
3TF68	3TY7683-0D..	62845.-	NA	1
3TF69	3TY7693-0D..	102640.-	NA	1

† Pl. add coil voltage code from table on page no. 34.

24V, 110V, 220V are stock items only for 3TH3/3TF30/31/32/33

## Spares for hoisting duty contactors

### Spare coils

Spare coils for	Type <sup>1)</sup>	Unit LP ₹	Std. pkg. (nos.)
3TF50 00 0A..	3TY7503-0A..0-0H	3420.-	1
3TF52 00 0A..	3TY7523-0A..0-0H	4075.-	1
3TF54 00 0A..	3TY7543-0A..0-0H	4960.-	1
3TF56 00 0A..	3TY7563-0A..0-0H	6565.-	1

<sup>1)</sup> Pls. add coil voltage code from table on page no. 35

### Spare contact kits

	Type	Unit LP ₹	Std. pkg. (nos.)
3TF50 00 0A..	3TY7500-0ZA	11115.-	1
3TF52 00 0A..	3TY7520-0ZA	14220.-	1
3TF54 00 0A..	3TY7540-0ZA	19720.-	1
3TF56 00 0A..	3TY7560-0ZA	33395.-	1

## Connector

The 3TS90 **connector** is used to mount the motor protection circuit breaker 3VU on the contactor 3TF with screw terminals. It enables mechanical and electrical connection between contactor and motor starter protection circuit breaker.



### Range:

Type	MPCB		Contactor		Type of Connector	Unit LP ₹	Std. pkg. (nos.)
	Current Rating		Type	AC3 Current Rating			
3VU13	0.16 to 20A		3TF30/31	9 / 12 A	3TS9001-8K	255.-	1
3VU13	6 to 25A		3TF32/33	16 / 22A	3TS9002-8K	300.-	1

### Benefits:

- 1) Direct mounting of 3VU MPCB on 3TF
- 2) Secure poor connections
- 3) Reduced feeder size and assemble time

## Spares for 3TC contactors

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
Set of main contacts	3TC44	3TY2440-0A	5775.-	1
	3TC48	3TY2480-0A	14150.-	1
	3TC52	3TY2520-0A	40130.-	1
	3TC56	3TY2560-0A	79580.-	1
AC coils <sup>1)</sup> (50 Hz)	3TC44	3TY7403-0A..	605.-	1
	3TC48	3TY6483-0A..	7695.-	1
	3TC52	3TY6523-0A..	10375.-	1
DC coils <sup>2)</sup>	3TC44	3TY6443-0B..	10630.-	1
	3TC48	3TY6483-0B..	18130.-	1
	3TC52	3TY6523-0B..	44815.-	1
	3TC56	3TY6563-0B..	62240.-	1
Arc chambers	3TC44	3TY2442-0A	5660.-	1
	3TC48	3TY2482-0A	10275.-	1
	3TC52	3TY2522-0A	15990.-	1
	3TC56	3TY2562-0A	32325.-	1
Auxiliary contacts 1st 1NO + 1NC Left/Right 2nd 1NO + 1NC Left 2nd 1NO + 1NC Right	3TC44/48	3TY6501-1AA00		1
	3TC48	3TY6501-1K	2620.-	1
	3TC48	3TY6501-1L		1

<sup>1)</sup> AC coil voltage - Please enter coil codes from table below

Code	B0	F0	U0	R0
Coil voltage (50 Hz)	24	110	240	415 <sup>§</sup>

§ Only for 3TC 44

<sup>2)</sup> DC coil voltage - Please enter coil codes from table below

Code	B4	F4	M4
Coil voltage	24	110	220



■ Stock items

Please order in multiples of standard packing.



**SIEMENS**

*Ingenuity for life*

## 3TS Range of contactors

Capacitor duty | Converter duty | 2 Pole

Smart. Easy. Reliable

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

## 3TS Capacitor duty contactors

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

### Features and Benefits

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



Capacitor kVAr 415V, 3ph, 50Hz	Built-in aux. contacts	Type®	Unit LP ₹	Built-in aux. contacts	Type®	Unit LP ₹	Std. pkg. (nos.)
7 kVAr	1 NO	3TS1110-0A..5-8K†	1935.-				
12.5 kVAr	–	3TS1200-0A..5-8K†	2150.-	1NO+1NC	3TS1211-0A..5-8K	2480.-	1
16 kVAr	–	3TS1300-0A..5-8K†	2925.-	1NO+1NC	3TS1311-0A..5-8K	3260.-	1
20 kVAr	–	3TS1400-0A..5-8K†	3290.-	1NO+1NC	3TS1411-0A..5-8K	3290.-	1
25 kVAr	–	3TS1500-0A..5-8K†	3810.-	1NO+1NC	3TS1511-0A..5-8K	3810.-	1
50 kVAr	2 NO + 2 NC	3TS1722-0A..5-8K	11900.-				

### 3RT26 Capacitor duty contactor

Capacitor kVAr 415V, 3ph, 50Hz	Coil voltage	Built-in aux. contacts	Type	Unit LP	Std. pkg. (nos.)
75 kVAr	24V, 50HZ	1NO + 1NC	3RT2637-1AB03	18475.-	1
	110V, 50HZ		3RT2637-1AF03		
	230V, 50HZ		3RT2637-1AP03		
100 kVAr	24V, 50HZ	1NO + 1NC	3RT2646-1AB03	22550.-	1
	110V, 50HZ		3RT2646-1AF03		
	230V, 50HZ		3RT2646-1AP03		

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

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

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

### Auxiliary contact blocks

For contactor	Description	Type	Unit MRP ₹	Std. pkg. (nos.)
3TS1110-3TS1500	1NO	■ 3TX4010-2A	150.-	10
	1NC	■ 3TX4001-2A	150.-	10

## 3TS Converter duty contactors

### Features

- Offers one of the highest AC-1 rating in given size
- Arc chamber interlock
- SIGUT Termination technique
- Compact Dimensions
- Screw mounting
- Double break parallel bridge auxiliary contacts

### Applications

- VFD, Soft Starters applications
- UPS
- Solar and Wind inverters
- Resistive loads
- Battery charging
- Neutral switching

NEW



Contactor Size	Rated current Ie (A) AC1 at 415V	AC Coil			DC Coil		
		Type	Unit LP ₹	Std. pkg. (nos.)	Type®	Unit LP ₹	Std. pkg. (nos.)
3	100	3TS4822-0A..1-8K	6700.-	1	3TS4822-0D..1-8K	10525.-	1
4	145	3TS5022-0A..1-8K	12075.-	1	3TS5022-0D..1-8K	19320.-	1
6	200	3TS5122-0A..1-8K	16420.-	1	3TS5122-0D..1-8K	20285.-	1
6	225	3TS5222-0A..1-8K	18355.-	1	3TS5222-0D..1-8K	21250.-	1
8	275	3TS5322-0A..1-8K	26080.-	1	3TS5322-0D..1-8K	30430.-	1
8	325	3TS5422-0A..1-8K	28980.-	1	3TS5422-0D..1-8K	30910.-	1
10	400	3TS5522-0A..1-8K	31880.-	1	3TS5522-0D..1-8K	36710.-	1
12	525	3TS5622-0A..1-8K	42505.-	1	3TS5622-0D..1-8K	53130.-	1
12	630	3TS5722-0C..1-8K	57960.-	1			

### for 3TS48-3TF56

	AC Coil (50Hz)		DC Coil
Code	F0	P0	B4
Coil voltage (V)	110	230	24

### for 3TS57

AC 50/60Hz	Coil voltage (V)	110-132	220-240
	Code	F7	M7

## 3TS 2 Pole contactors



NEW

### Benefits:

- Ease of wiring (can obviate use of lugs)
- Operator Safety (contactor cannot be switched-on if arc chamber is not fitted properly)
- Flexible mounting
- Space saving
- Unmatched contact reliability (ensures reliable contact at low voltage & low currents)

### Standards:

3TS contactors conform to IS 13947 and IEC 60947. They also carry CE mark.

### Application:

Single Phase Pumps

HVAC

ESP

Lighting

Rated current (A) Ie AC3 upto 415V	Auxiliary contacts	Type	Unit LP ₹	Std. pkg. (nos.)
9	1NO	3TS3010-0A..2-8K	655.-	1
12	1NO	3TS3110-0A..2-8K	695.-	1
18	1NO	3TS3210-0A..2-8K	770.-	1
25	-	3TS3300-0A..2-8K	995.-	1
32	-	3TS3400-0A..2-8K	2220.-	1
40	-	3TS3500-0A..2-8K	3255.-	1
50	-	3TS3600-0A..2-8K	3920.-	1
65	2NO+2NC	3TS4722-0A..2-8K	5935.-	1
75	2NO+2NC	3TS4822-0A..2-8K	6700.-	1
85	2NO+2NC	3TS4922-0A..2-8K	7730.-	1
105	2NO+2NC	3TS5022-0A..2-8K	10625.-	1
140	2NO+2NC	3TS5122-0A..2-8K	13040.-	1
160	2NO+2NC	3TS5222-0A..2-8K	17100.-	1
205	2NO+2NC	3TS5322-0A..2-8K	18835.-	1
250	2NO+2NC	3TS5422-0A..2-8K	21250.-	1
300	2NO+2NC	3TS5522-0A..2-8K	26080.-	1
400	2NO+2NC	3TS5622-0A..2-8K	32845.-	1

Coil voltage (V AC 50Hz)	110 V AC	230 V AC	415V AC
Code	F0	P0	R0

## Spares for 3TS Contactors

### Capacitor Duty

#### Spare coils

Contactors kVAr	Description	Type*	Unit LP ₹	Std. pkg. (nos.)
7 kVAr	AC 50Hz coil	3TY74030A..	605.-	1
12.5 kVAr				
16 kVAr				
20 kVAr		3TY74430A..	745.-	1
25 kVAr				
50 kVAr				

\* For coil, refer below table

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

### Pre-charge resistor + Contact block kit

Contactors kVAr	Description	Type	Unit LP ₹	Std. pkg. (nos.)
12.5 kVAr	Pre-charge resistor + early making contact block kit + main contacts kit	3TS9762-0SX15-8K	1480.-	1
16 kVAr		3TS9763-0SX15-8K	2205.-	1
20 kVAr		3TS9764-0SX15-8K	2490.-	1
25 kVAr		3TS9765-0SX15-8K	2925.-	1
50 kVAr		3TS9767-0SX15-8K	7520.-	1

Note: Pre-charge resistor + early making contact block kit + main contacts should be replaced simultaneously

### Convertor Duty

#### Main contact kits (set of 6 fixed & 3 moving contacts)

Contactors rating	Description	Type*	Unit LP ₹	Std. pkg. (nos.)
3TS48	Spare main contact kits	3TS9148-01-8K	3380.-	1
3TS50		3TS9150-01-8K	6040.-	1
3TS51		3TS9151-01-8K	8210.-	1
3TS52		3TS9152-01-8K	9175.-	1
3TS53		3TS9153-01-8K	13040.-	1
3TS54		3TS9154-01-8K	14490.-	1
3TS55		3TS9155-01-8K	15940.-	1
3TS56		3TS9156-01-8K	21250.-	1
3TS57		3TS9157-01-8K	28980.-	1

#### Spare coils

	AC Coil	Unit LP ₹	DC Coil	Unit LP ₹	Std. pkg. (nos.)
3TS48	3TY7463-0A..	1295.-	3TY7463-0D..	3810.-	1
3TS50	3TY7483-0A..	2370.-	3TY7483-0D..	6520.-	1
3TS51/52	3TY7503-0A..	2410.-	3TY7503-0D..	10195.-	1
3TS53/54	3TY7523-0A..	3050.-	3TY7523-0D..	15840.-	1
3TS55	3TY7543-0A..	3690.-	3TY7543-0D..	25165.-	1
3TS56	3TY7563-0A..	5365.-	3TY7563-0D..	28305.-	1
3TS57	3TY7573-0C..	16105.-			1

refer page no. 39 for coil codes



# SIEMENS

*Ingenuity for life*

## Spring-type terminals

**cable**  
**link module**  
**screwdriver**

screwdriver

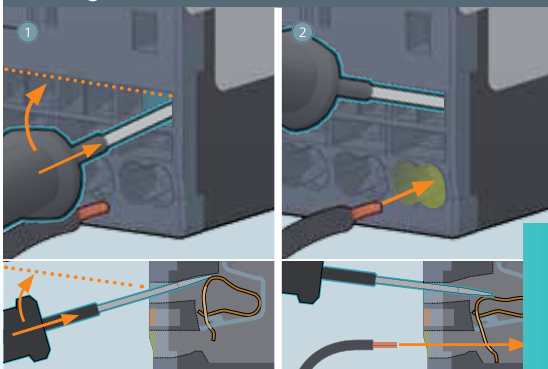
order no. 3RA29 08-1A

length: approx. 200 mm | 3.0 mm x 0.5 mm

## Connecting



## Wiring



# Easy connecting & wiring

Fast assembly thanks to spring-type terminals

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

# Thermal Overload Relays - 3RU



For contactor mounting - Class 10 - Screw Terminals

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Type#	Unit LP ₹	Std. pkg. (nos.)
S00	0.11 ... 0.16	3RU2116-0AB0	1535.-	1
	0.14 ... 0.2	3RU2116-0BB0		
	0.18 ... 0.25	3RU2116-0CB0		
	0.22 ... 0.32	3RU2116-0DB0		
	0.28 ... 0.4	3RU2116-0EB0		
	0.35 ... 0.5	3RU2116-0FB0		
	0.45 ... 0.63	3RU2116-0GB0		
	0.55 ... 0.8	3RU2116-0HB0		
	0.7 ... 1	3RU2116-0JB0		
	0.9 ... 1.25	3RU2116-0KB0		
	1.1 ... 1.6	3RU2116-1AB0	1550.-	
	1.4 ... 2	3RU2116-1BB0		
	1.8 ... 2.5	3RU2116-1CB0		
	2.2 ... 3.2	3RU2116-1DB0		
	2.8 ... 4	3RU2116-1EB0		
	3.5 ... 5	3RU2116-1FB0		
	4.5 ... 6.3	3RU2116-1GB0		
	5.5 ... 8	3RU2116-1HB0		
	7 ... 10	3RU2116-1JB0		
	9 ... 12.5	3RU2116-1KB0		
11 ... 16	3RU2116-4AB0	1605.-		
S0	1.8 ... 2.5	3RU2126-1CB0	1710.-	1
	2.2 ... 3.2	3RU2126-1DB0		
	2.8 ... 4	3RU2126-1EB0		
	3.5 ... 5	3RU2126-1FB0		
	4.5 ... 6.3	3RU2126-1GB0		
	5.5 ... 8	3RU2126-1HB0	1725.-	
	7 ... 10	3RU2126-1JB0		
	9 ... 12.5	3RU2126-1KB0		
	11 ... 16	3RU2126-4AB0		
	14 ... 20	3RU2126-4BB0	1825.-	
	17 ... 22	3RU2126-4CB0		
	20 ... 25	3RU2126-4DB0		
	23 ... 28	3RU2126-4NB0	3140.-	
	27 ... 32	3RU2126-4EB0		
30 ... 36	3RU2126-4PB0			
34 ... 40	3RU2126-4FB0			

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Type#	Unit LP ₹	Std. pkg. (nos.)
S2	11 ... 16	3RU2136-4AB0	3130.-	1
	14 ... 20	3RU2136-4BB0		
	18 ... 25	3RU2136-4DB0		
	22 ... 32	3RU2136-4EB0		
	28 ... 40	3RU2136-4FB0		
	36 ... 45	3RU2136-4GB0	3750.-	
	40 ... 50	3RU2136-4HB0	4000.-	
	47 ... 57	3RU2136-4QB0	4500.-	
	54 ... 65	3RU2136-4JB0	5315.-	
	62 ... 73	3RU2136-4KB0	5470.-	
70 ... 80	3RU2136-4RB0	5690.-		
S3	28 ... 40	3RU2146-4FB0	5105.-	1
	36 ... 50	3RU2146-4HB0	5105.-	
	45 ... 63	3RU2146-4JB0	5425.-	
	57 ... 75	3RU2146-4KB0	5425.-	
	70 ... 90	3RU2146-4LB0	5650.-	
	80 ... 100	3RU2146-4MB0	7400.-	

\* To order overload relays with spring-type terminals replace 10th digit from 'B' to 'C' (for S00, S0 size only)



## Accessory for independent mounting

For size of relay	Relay type	Type	Unit LP ₹	Std. pkg. (nos.)
S00*	3RU21, 3RB30/31, 3RR21/22/24	3RU2916-3AA01	505.-	1
S0*	3RU21, 3RB30/31, 3RR21/22/24	3RU2926-3AA01	520.-	1
S2	3RU21, 3RB30/31, 3RR21/22/24	3RU2936-3AA01	850.-	1
S3	3RU21/3RB30/3RB31	3RU2946-3AA01	1000.-	1



\* To order terminal supports for overload relays with spring-type terminals replace 10th digit from 'A' to 'C' for S00, S0 only

## Thermal Overload Relays - 3RU



### Separate Mounting - Class 10

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Unit LP ₹	Std. pkg. (nos.)
S6	45	70 - 100	3RU2156-5BB10-8K	7130.-	1
	55	90 - 125	3RU2156-5CB10-8K		1
	75	110 - 160	3RU2156-5DB10-8K		1
	110	140 - 200	3RU2156-5EB10-8K	6740.-	1
	45	70 - 100	3RU2156-5BW10-8K <sup>§</sup>		1
	55	90 - 125	3RU2156-5CW10-8K <sup>§</sup>		1
	75	110 - 160	3RU2156-5DW10-8K <sup>§</sup>		1
S10	110	140 - 200	3RU2166-5EB10-8K	9905.-	1
	132	180 - 250	3RU2166-5FB10-8K		1
	160	220 - 320	3RU2166-5GB10-8K		1
S12	200	280 - 400	3RU2176-5HB10-8K	12845.-	1
	250	350 - 500	3RU2176-5JB10-8K		1

### Separate Mounting - Class 30

Size of relay / contactor	Rating for induction motor Rated value kW	Set current value of the inverse-time delayed overload release A	Type*	Unit LP ₹	Std. pkg. (nos.)
S6	37	55 - 80	3RU2356-5AB10-8K	12845.-	1
	45	70 - 100	3RU2356-5BB10-8K		1
	55	90 - 125	3RU2356-5CB10-8K		1
	37	55 - 80	3RU2356-5AW10-8K <sup>§</sup>		1
	45	70 - 100	3RU2356-5BW10-8K <sup>§</sup>		1
S10	55	90 - 125	3RU2356-5CW10-8K <sup>§</sup>	12845.-	1
	75	110 - 160	3RU2366-5DB10-8K		1
	110	140 - 200	3RU2366-5EB10-8K		1
S12	132	180 - 250	3RU2376-5FB10-8K	12845.-	1
	160	220 - 320	3RU2376-5GB10-8K		1

\* For heavy duty applications (starting time > 10s), it is recommended to use 3RU class 30 relays to avoid nuisance tripping and reliable protection.

§ Range available with straight through transformer

## Microprocessor based overload relay - 3RB

Size	Current setting range A	3RB (Class 10)		3RB (Class 20)		3RB (Class 5 to 30 – Settable)		Std. pkg. (nos.)
		With overload, phase failure and phase unbalance protections	Unit LP ₹	With overload, phase failure and phase unbalance protections	Unit LP ₹	With overload, phase failure and phase unbalance and earth fault protection	Unit LP ₹	
		Type*		Type*		Type*		
S00	0.1 ... 0.4	3RB3016-1RB0	3380.-	3RB3016-2RB0	4230.-	3RB3113-4RB0	6935.-	1
	32 ... 1.25	3RB3016-1NB0		3RB3016-2NB0		3RB3113-4NB0		1
	1 ... 4	3RB3016-1PB0		3RB3016-2PB0		3RB3113-4PB0		1
	3 ... 12	3RB3016-1SB0		3RB3016-2SB0		3RB3113-4SB0		1
	4 ... 16	3RB3016-1TB0		3RB3016-2TB0		3RB3113-4TB0		1
S0	0.1 ... 0.4	3RB3026-1RB0	3870.-	3RB3026-2RB0	4825.-	3RB3123-4RB0	7255.-	1
	32 ... 1.25	3RB3026-1NB0		3RB3026-2NB0		3RB3123-4NB0		1
	1 ... 4	3RB3026-1PB0		3RB3026-2PB0		3RB3123-4PB0		1
	3 ... 12	3RB3026-1SB0		3RB3026-2SB0		3RB3123-4SB0		1
	6 ... 25	3RB3026-1QB0		3RB3026-2QB0		3RB3123-4QB0		1
	10 ... 40	3RB3026-1VB0		3RB3026-2VB0		3RB3123-4VB0		1
S2	12.5 to 50	3RB3036-1UB0 <sup>®</sup>	5915.-	3RB3036-2UB0 <sup>®</sup>	7380.-	3RB3133-4UB0 <sup>®</sup>	9475.-	1
	20 ... 80	3RB3036-1WB0 <sup>®</sup>	8915.-	3RB3036-2WB0 <sup>®</sup>	11155.-	3RB3133-4WB0 <sup>®</sup>	12350.-	1
	12.5 to 50	3RB3036-1UW1 <sup>#</sup>	5915.-	3RB3036-2UW1 <sup>#</sup>	7380.-	3RB3133-4UW1 <sup>#</sup>	9475.-	1
	20 ... 80	3RB3036-1WW1 <sup>#</sup>	8915.-	3RB3036-2WW1 <sup>#</sup>	11155.-	3RB3133-4WW1 <sup>#</sup>	12350.-	1
S3	12.5 ... 50	3RB3046-1UB0 <sup>®</sup>	7015.-	3RB3046-2UB0 <sup>®</sup>	8775.-	3RB3143-4UB0 <sup>®</sup>	12360.-	1
	32 ... 115	3RB3046-1XB0 <sup>®</sup>	8765.-	3RB3046-2XB0 <sup>®</sup>	11485.-	3RB3143-4XB0 <sup>®</sup>	12600.-	1
	12.5 ... 50	3RB3046-1UW1 <sup>#</sup>	7515.-	3RB3046-2UW1 <sup>#</sup>	9275.-	3RB3143-4UW1 <sup>#</sup>	13130.-	1
	32 ... 115	3RB3046-1XW1 <sup>#</sup>	9200.-	3RB3046-2XW1 <sup>#</sup>	11485.-	3RB3143-4XW1 <sup>#</sup>	12600.-	1
S6	50 ... 200	3RB2056-1FC2 <sup>®</sup>	11645.-	3RB2056-2FC2 <sup>®</sup>	14565.-	3RB2153-4FC2 <sup>®</sup>	17430.-	1
S6	50 ... 200	3RB2056-1FW2 <sup>§</sup>	11645.-	3RB2056-2FW2 <sup>§</sup>	14565.-	3RB2153-4FW2 <sup>§</sup>	17430.-	1
S10/12	55 ... 250	3RB2066-1GC2 <sup>®</sup>	12705.-	3RB2066-2GC2 <sup>®</sup>	17690.-	3RB2163-4GC2 <sup>®</sup>	17780.-	1
S10/12	160 ... 630	3RB2066-1MC2 <sup>®</sup>	22615.-	3RB2066-2MC2 <sup>®</sup>	28270.-	3RB2163-4MC2 <sup>®</sup>	29290.-	1

\* For size S00 & S0: To order relay with spring type terminals, please replace 10th digit from 'B' to 'E'

# Devices with straight-through transformer for stand-alone installation

® Devices with screw terminals for mounting onto contactor.

& Devices with busbar connection for mounting onto contactor or stand-alone installation.

§ Devices with straight-through transformer for mounting onto contactor with Box terminals or stand-alone installation.

# Microprocessor based overload relay - 3RB22 / 3RB23

0.3 – 3 A  
2.4 – 25 A

10 – 100 A

20 – 200 A

63 – 630 A

+ +

- 0.1 mtr.  
- 0.5 mtr.

+ +

- Overload Protection
- Trip Class 5 to 30 settable
- Thermister motor protection
- Phase failure protection
- Phase unbalance protection
- Large setting range (1:10)
- Overload warning
- LED indication

Operator panels

- Analog Output (4-20mA)
- Internal earth fault protection
- Ground fault signaling
- Overload warning

Current Measuring Module

Connecting Cable

Evaluation Module

Functional Module (Optional)

## Evaluation modules (Suitable with all current measuring modules)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
3RB22 with monostable output	3RB2283-4AA1	13750.-	1
3RB23 with bistable output	3RB2383-4AA1	19800.-	1
3RB24 with Monostable output	3RB2483-4AA1	18490.-	1

## Current measuring modules

Size	Current range	Type	Unit LP ₹	Std. pkg. (nos.)
S00/S0	0.3 to 3A	3RB2906-2BG1	8040.-	1
	2.4 to 25A	3RB2906-2DG1	8485.-	1
S2/S3	10 to 100A	3RB2906-2JG1	9375.-	1
S6	20 to 200A	3RB2956-2TG2	18325.-	1
S10/12	63 to 630A	3RB2966-2WH2	21150.-	1

## Connecting cable (For connection between evaluation module and current measuring module)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Length 0.1 m (S00...S3)	3RB2987-2B	730.-	1
Length 0.5 m (S00...S12)	3RB2987-2D	1015.-	1

## Function modules for 3RB22 3RB23 (optional)

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Overload warning + Analog output	3RB2985-2AA0	5060.-	1
Internal earth fault protection + Overload warning + Analog output	3RB2985-2AA1	8115.-	1
Internal earth fault (protection + signalling) + Analog output	3RB2985-2AB1		
Internal earth fault protection + Overload warning	3RB2985-2CA1	1550.-	1
Internal earth fault (protection + signalling)	3RB2985-2CB1		

## Operator Panel module for 3RB24 (optional)

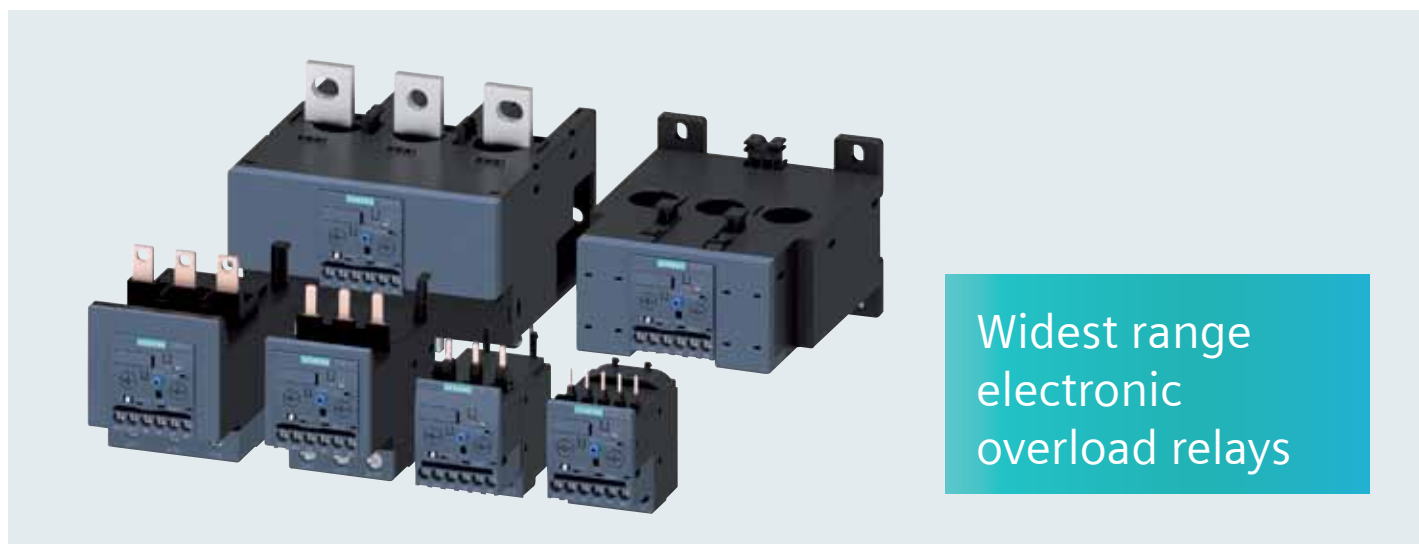
Description	Type	Unit LP ₹	Std. pkg. (nos.)
<b>Operator panels (set)</b> One set comprises: • 1 x operator panel • 1 x 3RA6936-0A enabling module • 1 x 3RA6936-0B interface cover • 1 x fixing terminal	3RA6935-0A	41610.-	1
<b>Connecting cables</b> Length 2.5 m (round), for connecting the evaluation module to the operator panel	3UF7933-0BA00-0	3095.-	1

## Accessories for 3RB20 and 3RB21

Description	For size	Type	Unit LP ₹	Std. pkg. (nos.)
Resetting plunger with funnel	S0 - S12	3RU1900-1A	570.-	1
Reset cord with holder - 400mm 600mm	S0 - S12	3RU1900-1B 3RU1900-1C	1635.-	1

## Accessories for 3RU2 Thermal overload relays and 3RB3 solid state overload relays

Accessory Type	Version	Size	3RU2 Thermal overload relay	3RB30/31 solid state overload relay	Type	Unit LP ₹	Std. pkg. (nos.)
Mechanical Reset	Resetting plungers, holders & formers	S00, S0, S6-S12	✓	X	3RU2900-1A	565.-	1
	Resetting plungers, holders & formers		X	✓	3RB3980-0A	280.-	1
	Pushbuttons with extended stroke (12 mm), IP65, Dia 22 mm		✓	✓	3SU1200-0FB10-0AA0	1760.-	1
	Extension plungers		✓	✓	3SU1900-0KG10-0AA0	145.-	1
	Pushbuttons with extended stroke		✓	✓	3SB30 00-0EA11	1965.-	1
	Extension plungers		✓	✓	3SX1 335	350.-	1
Cable releases with holder for RESET	Length 400mm	S00, S0, S6-S12	✓	X	3RU2900-1B	1605.-	1
	Length 600mm		✓	X	3RU2900-1C		1
	Length 400mm		X	✓	3RB3980-0B	2695.-	1
	Length 600mm		X	✓	3RB3980-0C		
Module for remote reset, electrical	24 ... 30 V AC/DC	S00, S0, S6-S12	✓	X	3RU1900-2AB71	2040.-	1
	110 ... 127 V AC/DC		✓	X	3RU1900-2AF71		
	220 ... 250 V AC/DC		✓	X	3RU1900-2AM71		
Sealable covers for covering the setting knob	For 3RB30/3RB31	S00, S0, S6-S12	X	✓	3RB3984-0	1280.-	1
	For 3RU2 / 3RV2		✓	X	3RV2908-0P	70.-	10
Terminal Covers for busbar connections	Length 55 mm	S3			3RT1946-4EA1	615.-	1
	Length 100 mm	S6	✓	✓	3RT1956-4EA1	1180.-	1
	Length 120 mm	S10, S12	✓	✓	3RT1966-4EA1	1555.-	1
Terminal Cover for Box Terminals	Length 20.6 mm	S2	✓	✓	3RT1936-4EA2	445.-	1
	Length 20.8 mm	S3	✓	✓	3RT1946-4EA2	445.-	1
	Length 25 mm	S6	✓	✓	3RT1956-4EA2	695.-	1
	Length 30 mm	S10/12	✓	✓	3RT1966-4EA2	1215.-	1



Widest range  
electronic  
overload relays

## Thermal overload relays - 3UA / 3UC

Bimetal relay	Current type of mounting	Current setting range A	Type	Unit LP ₹	Std. pkg. (nos.)				
3UA50	Contactor® mounting (3TF30/31)	0.1 – 0.16	3UA5000-0A	1540.-	1				
		0.16 – 0.25	3UA5000-0C						
		0.25 – 0.4	■ 3UA5000-0E						
		0.4 – 0.63	■ 3UA5000-0G						
		0.63 – 1	■ 3UA5000-0J						
		0.8 – 1.25	■ 3UA5000-0K						
		1 – 1.6	■ 3UA5000-1A						
		1.25 – 2	■ 3UA5000-1B						
		1.6 – 2.5	■ 3UA5000-1C			1550.-	1		
		2 – 3.2	■ 3UA5000-1D						
		2.5 – 4	■ 3UA5000-1E						
		3.2 – 5	■ 3UA5000-1F						
4 – 6.3	■ 3UA5000-1G	1560.-	1						
5 – 8	■ 3UA5000-1H								
6.3 – 10	■ 3UA5000-1J								
8 – 12.5	■ 3UA5000-1K								
10 – 14.5	■ 3UA5000-2S	1	1						
3UA52	Contactor® mounting (3TF32/33)	1 – 1.6	3UA5200-1A	1720.-	1				
		1.25 – 2	3UA5200-1B						
		1.6 – 2.5	3UA5200-1C						
		2 – 3.2	3UA5200-1D						
		2.5 – 4	3UA5200-1E						
		3.2 – 5	3UA5200-1F						
		4 – 6.3	■ 3UA5200-1G			1575.-	1		
		5 – 8	■ 3UA5200-1H						
		6.3 – 10	■ 3UA5200-1J						
		8 – 12.5	■ 3UA5200-1K						
		10 – 16	■ 3UA5200-2A			1750.-	1		
		12.5 – 20	■ 3UA5200-2B						
16 – 25	■ 3UA5200-2C								
16 – 25	■ 3UA5200-2C								
3UA55	Contactor® mounting (3TF34/35, 44/45)	10 – 16	■ 3UA5500-2A	2735.-	1				
		12.5 – 20	■ 3UA5500-2B						
		16 – 25	■ 3UA5500-2C						
		20 – 32	■ 3UA5500-2D						
		25 – 36	■ 3UA5500-2Q			2845.-	1		
		32 – 40	■ 3UA5500-2R						
		36 – 45	■ 3UA5500-8M						
		36 – 45	■ 3UA5500-8M						
		3UA58-Z1	Contactor® mounting (3TF46, 3TF47, 3TF48, 3TF49)			16 – 25	3UA5800-2CZ1	4930.-	1
						20 – 32	3UA5800-2DZ1		
						25 – 40	3UA5800-2EZ1		
						32 – 50	■ 3UA5800-2FZ1		
40 – 57	■ 3UA5800-2TZ1								
50 – 63	■ 3UA5800-2PZ1								
57 – 70	■ 3UA5800-2VZ1								
63 – 80	■ 3UA5800-2UZ1			4930.-	1				
70 – 95	■ 3UA5800-8YZ1								
16 – 25	3UA5800-2CZ2					4930.-	1		
20 – 32	3UA5800-2DZ2								
25 – 40	3UA5800-2EZ2								
32 – 50	■ 3UA5800-2FZ2	4230.-	1						
40 – 57	■ 3UA5800-2TZ2								
50 – 63	■ 3UA5800-2PZ2								
57 – 70	■ 3UA5800-2VZ2								
63 – 80	■ 3UA5800-2UZ2	4950.-	1						
70 – 95	■ 3UA5800-8YZ2								
70 – 95	■ 3UA5830-5B			5430.-	1				
85 – 105	■ 3UA5830-5C								
95 – 120	■ 3UA5830-5D								
3UA62	Independent mounting	85 – 135	■ 3UA6230-5A	7745.-	1				
		115 – 180	■ 3UA6230-5B						
		160 – 250	■ 3UA6230-5C			11010.-	1		
		200 – 320	■ 3UA6230-5D						
250 – 400	■ 3UA6230-5E								
3UA68	Independent mounting	320 – 500	3UA6830-5F	14235.-	1				
		400 – 630	3UA6830-5G						

© Can be converted to independent mounting using accessory.

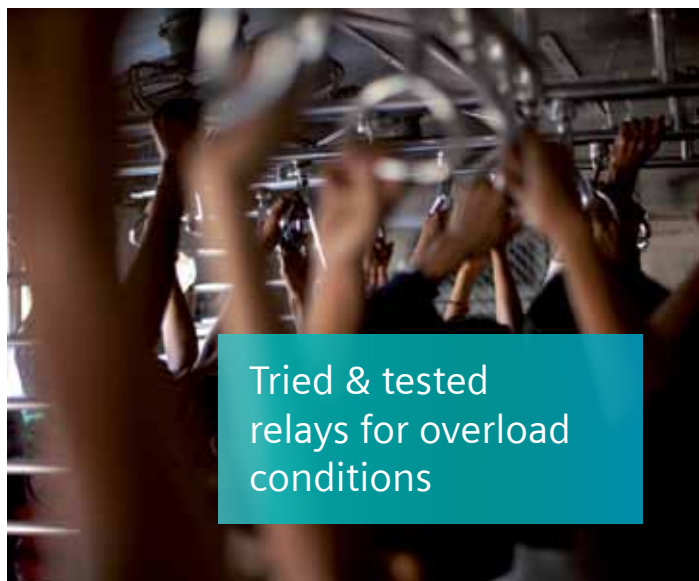
## Relays for heavy starting applications, independent mounting

Current setting range A	Type	Unit LP ₹	Current setting range A	Type	Unit LP ₹	Std. pkg. (nos.)
2.5 – 4	3UC5030-5E	13715.-	40 – 63	3UC5830-5G	13715.-	1
4 – 6.3	3UC5030-5G		63 – 100	3UC6230-5J		1
6.3 – 10	3UC5030-5J		100 – 160	3UC6230-5A		1
8 – 12.5	3UC5030-5K		125 – 200	3UC6630-5B		1
10 – 16	3UC5830-5A		160 – 250	3UC6630-5C		1
16 – 25	3UC5830-5C		250 – 400	3UC6630-5E		1
25 – 40	3UC5830-5E					

Note: Relays always supplied in manual execution, can be converted at site to auto execution.

## Accessories for 3UA birelays

Description	For relay type	Type	Unit LP ₹	Std. pkg. (nos.)	
Accessory for independent mounting	3UA50	■ 3UX1418	350.-	1	
	3UA52	■ 3UX1420	370.-	1	
	3UA55	■ 3UX1425	450.-	1	
	3UA58	■ 3UX1421	470.-	1	
	3UA58 30	■ 3UX1421-OXA	515.-	1	
Resetting plunger funnel	3UA5/6, 3UC5/6	3UX1011 3UX1013	160.-	10 10	
Reset cord + holder: 400 mm length 600 mm length	3UA5/6, 3UC5/6	3UX1015	225.-	5	
		3UX1016	225.-	5	
Protection cover	3UA58/3UA58 30 Other 3UA5/6	3UX11101YA 3UX11111YA	165.-	10 10	
Set of 3 terminals to convert from 3UA5800-2. or 3UA5800-2.Z2 to 3UA5800-2.Z1 3UA5800-2.Z1 or 3UA5800-2.Z2 to 3UA5800-2. 3UA5800-2. or 3UA5800-2.Z1 to 3UA5800-2.Z2			3UX5811 3UX5812 3UX5813	130.-	10 10 10



■ Stock items

# Motor Protection Circuit Breakers - 3RV



Class 10, without auxiliary switch, standard switching capacity, screw terminals

MPCB Specifications			MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>		MPCB for transformer protection	
MPCB Size	MPCB rated current A	MPCB overload range A	Type*	Unit LP ₹	Type*	Unit LP ₹	Type*	Unit LP ₹	Type*	Unit LP ₹
S00	0.16	0.11...0.16	3RV2011-0AA10	3365.-	3RV2111-0AA10	4255.-	3RV2311-0AC10	3300.-	3RV2411-0AA10	5615.-
	0.2	0.14...0.2	3RV2011-0BA10		3RV2111-0BA10		3RV2311-0BC10		3RV2411-0BA10	
	0.25	0.18...0.25	3RV2011-0CA10		3RV2111-0CA10		3RV2311-0CC10		3RV2411-0CA10	
	0.32	0.22...0.32	3RV2011-0DA10		3RV2111-0DA10		3RV2311-0DC10		3RV2411-0DA10	
	0.4	0.28...0.4	3RV2011-0EA10		3RV2111-0EA10		3RV2311-0EC10		3RV2411-0EA10	
	0.5	0.35...0.5	3RV2011-0FA10	3885.-	3RV2111-0FA10	4910.-	3RV2311-0FC10	3800.-	3RV2411-0FA10	5950.-
	0.63	0.45...0.63	3RV2011-0GA10		3RV2111-0GA10		3RV2311-0GC10		3RV2411-0GA10	
	0.8	0.55...0.8	3RV2011-0HA10		3RV2111-0HA10		3RV2311-0HC10		3RV2411-0HA10	
	1	0.7...1	3RV2011-0JA10		3RV2111-0JA10		3RV2311-0JC10		3RV2411-0JA10	
	1.25	0.9...1.25	3RV2011-0KA10		3RV2111-0KA10		3RV2311-0KC10		3RV2411-0KA10	
	1.6	1.1...1.6	3RV2011-1AA10		3RV2111-1AA10		3RV2311-1AC10		3RV2411-1AA10	
	2	1.4...2	3RV2011-1BA10	4035.-	3RV2111-1BA10	5095.-	3RV2311-1BC10	3950.-	3RV2411-1BA10	6570.-
	2.5	1.8...2.5	3RV2011-1CA10		3RV2111-1CA10		3RV2311-1CC10		3RV2411-1CA10	
	3.2	2.2...3.2	3RV2011-1DA10		3RV2111-1DA10		3RV2311-1DC10		3RV2411-1DA10	
	4	2.8...4	3RV2011-1EA10		3RV2111-1EA10		3RV2311-1EC10		3RV2411-1EA10	
	5	3.5...5	3RV2011-1FA10		3RV2111-1FA10		3RV2311-1FC10		3RV2411-1FA10	
6.3	4.5...6.3	3RV2011-1GA10	4325.-	3RV2111-1GA10	5465.-	3RV2311-1GC10	4235.-	3RV2411-1GA10	11920.-	
8	5.5...8	3RV2011-1HA10		3RV2111-1HA10		3RV2311-1HC10		3RV2411-1HA10		
10	7...10	3RV2011-1JA10		3RV2111-1JA10		3RV2311-1JC10		3RV2411-1JA10		
	12.5	9...12.5	3RV2011-1KA10	4620.-	3RV2111-1KA10	5830.-	3RV2311-1KC10	4530.-	3RV2411-1KA10	6570.-
	16	10...16	3RV2011-4AA10	5380.-	3RV2111-4AA10	6555.-	3RV2311-4AC10	5100.-	3RV2411-4AA10	
S0	16	10 ... 16	3RV2021-4AA10	5595.-	3RV2121-4AA10	6820.-	3RV2321-4AC10	5200.-	3RV2421-4AA10	6820.-
	20	13 ... 20	3RV2021-4BA10	6135.-	3RV2121-4BA10	7620.-	3RV2321-4BC10	5980.-	3RV2421-4BA10	7175.-
	22	16 ... 22	3RV2021-4CA10		3RV2121-4CA10		3RV2321-4CC10		3RV2421-4CA10	11920.-
	25	18 ... 25	3RV2021-4DA10		3RV2121-4DA10		3RV2321-4DC10		3RV2421-4DA10	13320.-
	28	23 ... 28	3RV2021-4NA10	10345.-	3RV2121-4NA10	17120.-	3RV2321-4NC10	9960.-	-	
	32	27 ... 32	3RV2021-4EA10	11825.-	3RV2121-4EA10	-	3RV2321-4EC10	11495.-	-	
	36	30 ... 36	3RV2021-4PA10		-		3RV2321-4PC10		-	
40	34 ... 40	3RV2021-4FA10	-		3RV2321-4FC10		-			
			-				-			
S2	25	18 ... 25	3RV2031-4DA10	11125.-	3RV2131-4DA10	17625.-	3RV2331-4DC10	10255.-	3RV2431-4DA10	13720.-
	32	22 ... 32	3RV2031-4EA10	12245.-	3RV2131-4EA10	19410.-	3RV2331-4EC10	11410.-	3RV2431-4EA10	16520.-
	36	28 ... 36	3RV2031-4PA10		3RV2131-4PA10		3RV2331-4PC10		3RV2431-4PA10	18235.-
	40	32 ... 40	3RV2031-4UA10	14955.-	3RV2131-4UA10	20390.-	3RV2331-4UC10	14135.-	3RV2431-4UA10	18575.-
	45	35 ... 45	3RV2031-4VA10		3RV2131-4VA10		3RV2331-4VC10		3RV2431-4VA10	
	52	42 ... 52	3RV2031-4WA10		3RV2131-4WA10		3RV2331-4WC10		3RV2431-4WA10	
	59	49 ... 59	3RV2031-4XA10	15435.-	3RV2131-4XA10	21755.-	3RV2331-4XC10	14255.-	3RV2431-4XA10	19260.-
	65	54 ... 65	3RV2031-4JA10		3RV2131-4JA10		3RV2331-4JC10		3RV2431-4JA10	
	73	62 ... 73	3RV2031-4KA10		3RV2131-4KA10		3RV2331-4KC10		-	
80	70 ... 80	3RV2031-4RA10	16200.-	3RV2131-4RA10	22850.-	3RV2331-4RC10	14970.-	-		
S3	50	36 ... 50	3RV1041-4HA10	15745.-	3RV1142-4HA10	21450.-	3RV1341-4HC10	14545.-		
	63	45 ... 63	3RV1041-4JA10	15745.-	3RV1142-4JA10	21450.-	3RV1341-4JC10	14545.-		
	75	57 ... 75	3RV1041-4KA10	16530.-	3RV1142-4KA10	22525.-	3RV1341-4KC10	15280.-		
	90	70 ... 90	3RV1041-4LA10	16530.-	3RV1142-4LA10	22525.-	3RV1341-4LC10	15280.-		
	100	80 ... 100	3RV1041-4MA10	16530.-	3RV1142-4MA10	22525.-	3RV1341-4MC10	15280.-		
S3	50	36 ... 50	3RV2041-4HA10	16060.-	3RV2142-4HA10	21880.-	3RV2341-4HC10	14835.-	-	-
	63	45 ... 63	3RV2041-4JA10	16060.-	3RV2142-4JA10	21880.-	3RV2341-4JC10	14835.-	-	-
	75	57 ... 75	3RV2041-4KA10	16860.-	3RV2142-4KA10	22975.-	3RV2341-4KC10	15585.-	-	-
	84	65 ... 84	3RV2041-4RA10	16860.-	3RV2142-4RA10	22975.-	3RV2341-4RC10	15585.-	-	-
	93	75 ... 93	3RV2041-4YA10	16860.-	3RV2142-4YA10	22975.-	3RV2341-4YC10	15585.-	-	-
	100	80 ... 100	3RV2041-4MA10	16860.-	3RV2142-4MA10	22975.-	3RV2341-4MC10	15585.-	-	-

1) MPCB trips on SC and also on OL

2) MPCB trips on SC and opens contactor on OL

3) MPCB trips on SC

\* Spring type terminals are not available for relay function MPCB 3RV21

\* 3RV20 and 3RV23: For ordering spring type terminal please replace 11th digit from "1" to "2" (available upto 32A in S00 and S0 only)

Standard packing for all above products is 1 no.

Siemens switchgear. Tried, tested, trusted.

**Class 10, without auxiliary switch, increased switching capacity (100KA), screw terminals**

MPCB Specifications			MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>	
MPCB Size	MPCB rated current A	MPCB overload range A	Type	Unit LP ₹	Type	Unit LP ₹	Type	Unit LP ₹
S2	25	18 ... 25	3RV2032-4DA10	14295.-	-	-	3RV2332-4DC10	12310.-
	32	22 ... 32	3RV2032-4EA10	15480.-	-	-	3RV2332-4EC10	12310.-
	36	28 ... 36	3RV2032-4PA10	16665.-	-	-	3RV2332-4PC10	13690.-
	40	32 ... 40	3RV2032-4UA10	18030.-	-	-	3RV2332-4UC10	16955.-
	45	35 ... 45	3RV2032-4VA10	19850.-	-	-	3RV2332-4VC10	16955.-
	52	42 ... 52	3RV2032-4WA10	20220.-	-	-	3RV2332-4WC10	17105.-
	59	49 ... 59	3RV2032-4XA10	20400.-	-	-	3RV2332-4XC10	17105.-
	65	54 ... 65	3RV2032-4JA10	20400.-	-	-	3RV2332-4JC10	17105.-
S3	73	62 ... 73	3RV2032-4KA10	22950.-	-	-	3RV2332-4KC10	17965.-
	80	70 ... 80	3RV2032-4RA10	24410.-	-	-	3RV2332-4RC10	17965.-
	40	28 ... 40	3RV2042-4FA10	16730.-	3RV2142-4FA10	20710.-	3RV2342-4FC10	19115.-
	50	36 ... 50	3RV2042-4HA10	16730.-	3RV2142-4HA10	21880.-	3RV2342-4HC10	20290.-
	63	45 ... 63	3RV2042-4JA10	16730.-	3RV2142-4JA10	21880.-	3RV2342-4JC10	20290.-
	75	57 ... 75	3RV2042-4KA10	21750.-	3RV2142-4KA10	22975.-	3RV2342-4KC10	21300.-
	84	65 ... 84	3RV2042-4RA10	21750.-	3RV2142-4RA10	22975.-	3RV2342-4RC10	21300.-
	93	75 ... 93	3RV2042-4YA10	21750.-	3RV2142-4YA10	22975.-	3RV2342-4YC10	21300.-
	100	80 ... 100	3RV2042-4MA10	21750.-	3RV2142-4MA10	22975.-	3RV2342-4MC10	21300.-

**Class 20, without auxiliary switch, screw terminals**

MPCB Specifications					MPCB with Standard release <sup>1)</sup>		Std. pkg. (nos.)
MPCB Size	MPCB rated current A	MPCB overload range A	MPCB Short circuit setting A	Breaking capacity kA	Type <sup>1)</sup>	Unit LP ₹	
S2	14	9.5 ... 14	208	65	3RV2031-4SB10	13660.-	1
	17	12 ... 17	260	65	3RV2031-4TB10	13660.-	1
	20	14 ... 20	260	65	3RV2031-4BB10	13660.-	1
	25	18 ... 25	325	65	3RV2031-4DB10	15100.-	1
	32	22 ... 32	416	65	3RV2031-4EB10	16165.-	1
	36	28 ... 36	520	65	3RV2031-4PB10	17000.-	1
	40	32 ... 40	585	65	3RV2031-4UB10	17910.-	1
	45	35 ... 45	650	65	3RV2031-4VB10	19580.-	1
	52	42 ... 52	741	65	3RV2031-4WB10	19885.-	1
	59	49 ... 59	845	65	3RV2031-4XB10	20110.-	1
S3	65	54 ... 65	845	65	3RV2031-4JB10	20110.-	1
	40	28 ... 40	520	100	3RV2042-4FB10	21750.-	1
	50	36 ... 50	650	100	3RV2042-4HB10	21750.-	1
	63	45 ... 63	819	100	3RV2042-4JB10	21750.-	1
	75	57 ... 75	975	100	3RV2042-4KB10	21750.-	1
	84	65 ... 84	1170	100	3RV2042-4RB10	21750.-	1
	93	75 ... 93	1300	100	3RV2042-4YB10	21750.-	1
	100	80 ... 100	1300	100	3RV2042-4MB10	21750.-	1

1) MPCB trips on SC and also on OL      2) MPCB trips on SC and opens contactor on OL      3) MPCB trips on SC  
 Standard packing for all above products is 1 no.

**Circuit breaker size S00 for motor protection, Toggle Switch**

Rating	Type *	Unit LP ₹	Rating	Type *	Unit LP ₹
0.11...0.16	3RV1011-0AA10	3170.-	1.1...1.6	3RV1011-1AA10	3720.-
0.14 ... 0.2	3RV1011-0BA10	3170.-	1.4 ... 2	3RV1011-1BA10	3720.-
0.18...0.25	3RV1011-0CA10	3170.-	1.8...2.5	3RV1011-1CA10	3720.-
0.22 ... 0.32	3RV1011-0DA10	3170.-	2.2 ... 3	3RV1011-1DA10	3890.-
0.28...0.4	3RV1011-0EA10	3170.-	2.8...4	3RV1011-1EA10	3890.-
0.35 ... 0.5	3RV1011-0FA10	3685.-	3.5 ... 5	3RV1011-1FA10	3890.-
0.45...0.63	3RV1011-0GA10	3685.-	4.5 ... 6	3RV1011-1GA10	3890.-
0.55 ... 0.8	3RV1011-0HA10	3685.-	5.5 ... 8	3RV1011-1HA10	3890.-
0.7...1	3RV1011-0JA10	3685.-	7 ... 10	3RV1011-1JA10	3890.-
0.9 ... 1.25	3RV1011-0KA10	3705.-	9 ... 12	3RV1011-1KA10	4515.-

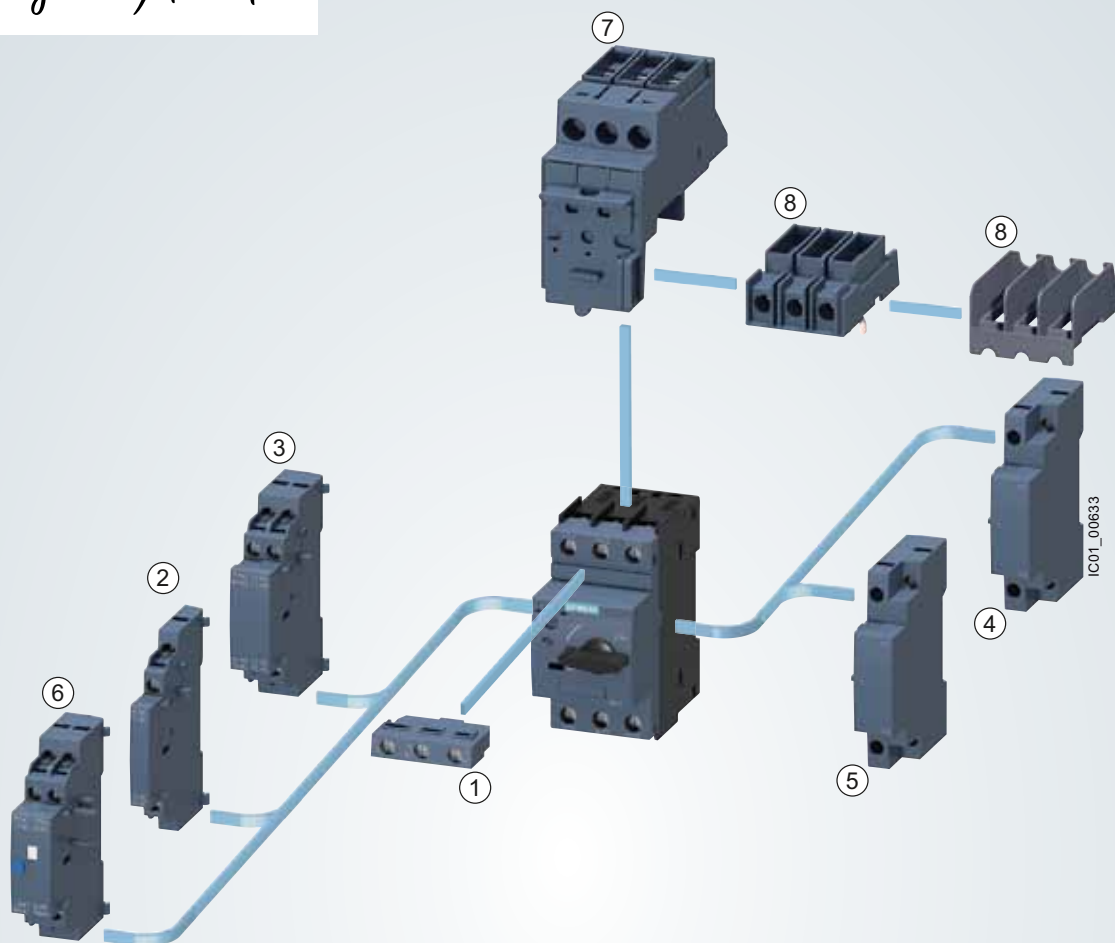


Standard packing for all above products is 1 no.  
 \* Use with accessories for 3RV2.



# SIEMENS

*Ingenuity for life*



## Accessories complimenting the application

### Mountable accessories

- ① Transverse auxiliary switch
- ② Lateral auxiliary switch with 2 contacts
- ③ Lateral auxiliary switch with 4 contacts
- ④ Shunt release (can not be used with 3RV21 motor starter protectors)
- ⑤ Undervoltage release without/with leading contacts (can not be used with 3RV21 motor starter protectors)
- ⑥ Signaling switch (can not be used with 3RV27 and 3RV28 circuit breakers)
- ⑦ Isolator module (can not be used with 3RV2.4, 3RV27 and 3RV28 circuit breakers)
- ⑧ Terminal block type E or phase barriers

## Accessories for 3RV2

### Mountable accessories

Type of accessory	Version	MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Transverse auxiliary switches With screw terminals, mountable on front	1 CO	S00 ... S3	3RV2901-1D#	560.-	1
	1 NO + 1 NC	S00 ... S3	3RV2901-1E	680.-	1
	2NO	S00 ... S3	3RV2901-1F	680.-	1
Transverse auxiliary switch for operation in dusty atmospheres and in solid-state circuits with low operating currents	1 CO	S00 ... S3	3RV2901-1G#	2225.-	1
Covers for transverse auxiliary switches		S00 ... S3	3RV2901-0H#	330.-	10
Lateral auxiliary switches with screw terminals mountable on the left	1 NO + 1 NC	S00 ... S3	3RV2901-1A	750.-	1
	2 NO		3RV2901-1B	750.-	1
	2 NC		3RV2901-1C	750.-	1
	2 NO + 2 NC		3RV2901-1J#	1275.-	1
Signaling switches ( Alarm contacts ) Mountable on the left side	Separate tripped and short-circuit alarms, 1 NO + 1 NC each	S00 ... S3	3RV2921-1M	1360.-	1
Isolator modules (for isolating individual MPCB)	Lockable in disconnected position	S00, S0	3RV2928-1A#	2935.-	1
		S2 (Up to 65A only)	3RV2938-1A#	3520.-	1

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

Type of accessory®	Version	MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Undervoltage trip units, Screw terminals	24 V DC	S00 ... S3	3RV2902-1AB4#	5375.-	1
	110 V AC 50Hz / 120 V AC 60Hz		3RV2902-1AF0#		1
	230 V AC 50Hz / 240 V AC 60Hz		3RV2902-1AP0		1
	400 V AC 50Hz / 440 V AC 60Hz		3RV2902-1AV0		1
Shunt trip units, Screw terminals	20...24V 50/60 Hz (100% ON period)	S00 ... S3	3RV2902-1DB0	1995.-	1
	20...70V 50/60Hz, DC (5s ON period)				3RV2902-1DF0
	90...110V 50/60 Hz (100% ON period)		3RV2902-1DP0		
	70...190V 50/60Hz, DC (5s ON period)				3RV2902-1DV0#
	210...240V 50/60 Hz (100% ON period)		3RV2902-1DV0#		
	190...330V 50/60Hz, DC (5s ON period)				3RV2902-1DV0#
	350...415V 50/60 Hz (100% ON period)		3RV2902-1DV0#		
	330...500V 50/60Hz, DC (5s ON period)				3RV2902-1DV0#

# Spring type terminals are not available for this accessory

\* For ordering with spring type terminals, please replace 8th digit from '1' to '2'

® One auxiliary release can be mounted on the right side. (does not apply to 3RV11 motor starter protectors with overload relay function)

## Accessories for 3RV1

### Mountable accessories

Type of accessory	Version	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Transverse auxiliary switches With screw terminals, mountable on front	1CO	S00 ... S3	3RV1901-1D#	560.-	1
	1 NO + 1 NC	S00 ... S3	3RV1901-1E	680.-	1
	2NO	S00 ... S3	3RV1901-1F	680.-	1
Transverse auxiliary switch for operation in dusty atmospheres and in solid-state circuits with low operating currents	1 CO	S00 ... S3	3RV1901-1G#	2350.-	1
Covers for transverse auxiliary switches		S00 ... S3	3RV1901-0H	320.-	10
Lateral auxiliary switches with screw terminals mountable on the left	1 NO + 1 NC	S00 ... S3	3RV1901-1A	750.-	1
	2 NO		3RV1901-1B	750.-	1
	2 NC		3RV1901-1C	750.-	1
	2 NO + 2 NC		3RV1901-1J#	1275.-	1
Signaling switches (Alarm contacts)®	Separate tripped and short-circuit alarms, 1 NO + 1 NC each	S0, S2, S3	3RV1921-1M#	1735.-	1
Isolator modules (for isolating individual MPCB)	Lockable in disconnected position	S2	3RV1938-1A#	4675.-	1

# Spring type terminals are not available for this accessory

\* 3RV19: For ordering with spring type terminals, please replace 8th digit from '1' to '2'

® One signaling switch can be mounted on the left per MPCB.

## Accessories for 3RV1

### Mountable accessories

Type of accessory	Version	For MPCB size	Type®	Unit LP ₹	Std. pkg. (nos.)
Undervoltage trip units, Screw terminals	24 V DC	S3	3RV1902-1AB4	6380.-	1
	110 V AC 50Hz / 120 V AC 60Hz	S3	3RV1902-1AF0		1
	230 V AC 50Hz / 240 V AC 60Hz	S3	3RV1902-1AP0		1
	400 V AC 50Hz / 440 V AC 60Hz	S3	3RV1902-1AV0		1
Shunt trip units, Screw terminals	20...24V 50/60 Hz (100% ON period)	S3	3RV1902-1DB0	1995.-	1
	20...70V 50/60Hz, DC (5s ON period)				1
	90...110V 50/60 Hz (100% ON period)	S3	3RV1902-1DF0		1
	70...190V 50/60Hz, DC (5s ON period)				1
	210...240V 50/60 Hz (100% ON period)	S3	3RV1902-1DP0		1
	190...330V 50/60Hz, DC (5s ON period)				1
	350...415V 50/60 Hz (100% ON period)	S3	3RV1902-1DV0		1
	330...500V 50/60Hz, DC (5s ON period)				1

@ One auxiliary release can be mounted on the right per motor starter protector (does not apply to 3RV11 motor starter protectors with overload relay function)

## Accessories for 3RV2 / 3RV1

### Fixing accessories

Type of accessory	Version	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Push-in lugs	For screwing the motor starter protector onto mounting plates. For each motor starter protector, 2 units are required.	For 3RV1: S00,S0	3RB1900-0B	15.-	(1 pack = 10 pcs)
Push-in lugs		For 3RV2: S00,S0	3RV2928-0B		(1 pack = 10 pcs)

### Enclosure With EMERGENCY STOP rotary operating mechanism, Lockable in 0 position

Degree of protection	Integrated terminals	Installation width (for switch + lateral auxiliary switch)	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
IP55	N and PE	54 mm	S00, S0	3RV1923-1FA00	1315.-	1
		82 mm	S2	3RV1933-1GA00	4280.-	1

### Door-coupling rotary operating mechanism

Description	Size	Type	Unit LP ₹	Std. pkg. (nos.)
Door operating mechanism with door interlock, defeat facility, padlocking facility. Extension shaft 300mm (fixed coupler)	S00, S0	3RV19261B-Z®	2215.-	1
	S2	3RV19361B-Z®	2445.-	1
Breaker operating kit & front drive for size	S3\$	3RV19461B-Z®	3215.-	1
Front drive – fixed coupler (available as spare)	S00, S0, S2, S3	8UC626	780.-#	1

@ One set available with breaker operator kit and 8UC front drive together

# MRP

\$ To use door-operating mechanism, on 3RV2 - Size S3, the knob attachment on breaker must be disassembled.

### Busbar accessories

Type of accessory	Version	Conductor cross-section			For MPCB size	Type	Unit LP ₹	Std. pkg. (nos.)
		Solid or stranded	Finely stranded with end sleeve	AWG cable, solid or stranded				
		mm <sup>2</sup>	mm <sup>2</sup>	AWG				
3-phase Infeed terminals	Connection from top	2.5...25	2.5...16	10 ... 4	3RV2 S00, S0	3RV2925-5AB	1020.-	1
		2 x (2.5 ... 50) <sup>2)</sup>	2 x (2.5 ... 35) <sup>2)</sup>	2 x (10.. 1/0) <sup>2)</sup>	3RV2 S2	3RV2935-5A	1145.-	1
		1 x (2.5 ... 70) <sup>2)</sup>	1 x (2.5 ... 50) <sup>2)</sup>	1 x (10 ... 2/0) <sup>2)</sup>				1
	Connection from bottom*	2.5...25	2.5...16	10 ... 4	3RV2 S00, S0	3RV2915-5B	1145.-	1
connection from bottom*	2.5...25	4...16	12 ... 4	3RV1 S00, S0	3RV1915-5B			1



\* This terminal is connected in place of a switch, please take the space requirement into account.

2) If two different conductor cross-sections are connected to one clamping point, both cross-sections must be in the range specified.

## Accessories for 3RV2 / 3RV1

### Busbar accessories

Type of accessory <sup>1)</sup>	Modular spacing mm	Number of MPCBs that can be connected			Current rating at 690V A	For MPCB size *	Type	Unit LP ₹	Std. pkg. (nos.)
		Without lateral accessories	With lateral auxiliary switch	Incl. auxiliary release					
3-phase busbar system	45 <sup>3)</sup>	2	-	-	63	S00, S0	3RV1915-1AB	865.-	1
		3	-	-		S00, S0	3RV1915-1BB	865.-	1
		4	-	-		S00, S0	3RV1915-1CB	1230.-	1
		5	-	-		S00, S0	3RV1915-1DB	1390.-	1
	55 <sup>4)</sup>	-	2	-		S00, S0	3RV1915-2AB	825.-	1
		-	3	-		S00, S0	3RV1915-2BB	865.-	1
		-	4	-		S00, S0	3RV1915-2CB	1180.-	1
		-	5	-		S00, S0	3RV1915-2DB	1390.-	1
	63 <sup>5)</sup>	2			108	S2	3RV1935-1A	1275.-	1
		3					3RV1935-1B	1595.-	1
		4					3RV1935-1C	1955.-	1
	63 <sup>5)</sup>	-	-	2	63	S00, S0	3RV1915-3AB	1070.-	1
		-	-	4			3RV1915-3CB	1395.-	1
	75 <sup>5)</sup>	-	2	2	108	S2	3RV1935-3A	1955.-	1
		-	3	3			3RV1935-3B	1815.-	1
		-	4	4			3RV1935-3C	2570.-	1
Covers for connection tags (Touch protection for empty positions)						S00, S0	3RV1915-6AB	130.-	10
						S2	3RV1935-6A	235.-	5



- 1) Not suitable for 3RV21 MPCBs with overload relay function
  - 3) Auxiliary releases and lateral auxiliary switches cannot be used in combination.
  - 4) For 3RV2 MPCB with auxiliary switches 2 NO and 2 NC mounted on the left (9 mm wide).
  - 5) For 3RV2 MPCB with mounted accessories (18 mm wide). Auxiliary switches with 2 NO + 2 NC or signaling switch (mounted on the left) or with auxiliary release (mounted on the right).
- \* Approved for motor starter protectors size S0 , up to 32 A.

### Mounting accessories

Type of accessory	Version	For MPCB size	Type*	Unit LP ₹	Std. pkg. (nos.)
Scale covers, for covering the set current scale		3RV20, 3RV21, 3RV24: S00 ... S2	3RV2908-0P	70.-	10
Scale covers, for covering the set current scale		3RV1 S3	3RV1908-0P	70.-	10
Covers for devices with box terminals	2 units required per device (Main current level)	3RV2 S2	3RT2936-4EA2	155.-	1
		3RV1 S3	3RT1946-4EA2	445.-	1
Terminal covers For cable lug and busbar connection	2 units required per device	3RV1 S3	3RT1946-4EA1	615.-	1



## Motor protection circuit breakers - 3VU



### MPCBs for motor and plant protection

Overload release range A	Type (w/o aux. contact)	Unit LP ₹	Type (with 1NO+1NC)	Unit LP ₹	Std. pkg. (nos.)
0.1 - 0.16	3VU1340-0MB00	3110.-	3VU1340-1MB00	3730.-	1
0.16 - 0.24	3VU1340-0MC00		3VU1340-1MC00		1
0.24 - 0.4	3VU1340-0MD00		3VU1340-1MD00		1
0.4 - 0.6	3VU1340-0ME00	3615.-	■ 3VU1340-1ME00	4245.-	1
0.6 - 1	3VU1340-0MF00		■ 3VU1340-1MF00		1
1 - 1.6	3VU1340-0MG00	3645.-	■ 3VU1340-1MG00	4270.-	1
1.6 - 2.4	3VU1340-0MH00		■ 3VU1340-1MH00		1
2 - 3.2	3VU1340-0NH00	3815.-	■ 3VU1340-1NH00	4365.-	1
2.4 - 4	3VU1340-0MJ00		■ 3VU1340-1MJ00		1
3.2 - 5	3VU1340-0NJ00		■ 3VU1340-1NJ00		1
4 - 6	3VU1340-0MK00		■ 3VU1340-1MK00		1
5 - 8	3VU1340-0NK00		■ 3VU1340-1NK00		1
6 - 10	3VU1340-0NL00		■ 3VU1340-1NL00		1
					■ 3VU1340-1ML00

Overload release range A	Type (w/o aux. contact)	Unit LP ₹	Type (with 1NO+1NC)	Unit LP ₹	Std. pkg. (nos.)
8 - 13	3VU1340-0NL00	4425.-	■ 3VU1340-1NL00	4970.-	1
10 - 16	3VU1340-0MM00	4425.-	■ 3VU1340-1MM00	4970.-	1
14 - 20	3VU1340-0MN00	4510.-	■ 3VU1340-1MN00	5065.-	1
18 - 25	3VU1340-0MP00	5220.-	■ 3VU1340-1MP00	5775.-	1
6 - 10	3VU1640-0ML00	8465.-	■ 3VU1640-1ML00	9010.-	1
10 - 16	3VU1640-0MM00	8465.-	■ 3VU1640-1MM00	9010.-	1
16 - 25	3VU1640-0MN00	10285.-	■ 3VU1640-1MN00	10845.-	1
22 - 32	3VU1640-0MP00	10285.-	■ 3VU1640-1MP00	10845.-	1
28 - 40	3VU1640-0MQ00	11035.-	■ 3VU1640-1MQ00	11595.-	1
36 - 52	3VU1640-0MR00	11035.-	■ 3VU1640-1MR00	11595.-	1
45 - 63 <sup>#</sup>	3VU1640-0LS00	13120.-	3VU1640-1LS00	13685.-	1

# Circuit-breakers for plant protection

### 3TF-3VU connector\*\*



Type	Current	Contactor		Type of Connector	Unit LP ₹	Std. pkg. (nos.)
		Type Rating	AC3 Current Rating			
3VU13	0.16 to 20A	3TF30 / 31	9 / 12 A	3TS9001-8K	255.-	1
3VU13	6 to 25A	3TF32 / 33	16 / 22A	3TS9002-8K	300.-	1

\*\* For more details refer page no. 37

### Circuit breakers with aux. 1NO+1NC, for fuse monitoring

Rated current In A	Overload release range A	Shortcircuit release setting A	Type	Unit LP ₹	Std. pkg. (nos.)
0.2	0.2	1.2	■ 3VU1340-1MS00	3730.-	1

### Circuit breakers with aux. 1NO+1NC, for line-side protection of transformers with high inrush current

Rated current In A	Overload release range A	Shortcircuit release setting A	Type	Unit LP ₹	Std. pkg. (nos.)
0.6	0.4 - 0.6	12	3VU1340-1TE00	5935.-	1
1	0.6 - 1	15	3VU1340-1TF00		1
1.6	1 - 1.6	29	3VU1340-1TG00		1
2.4	1.6 - 2.4	48	3VU1340-1TH00		1
4	2.4 - 4	72	3VU1340-1TJ00		1
6	4 - 6	120	3VU1340-1TK00		1
10	6 - 10	190	3VU1340-1TL00		1
16	10 - 16	300	3VU1340-1TM00		1
20	14 - 20	300	3VU1340-1TN00		1

## Accessories for 3VU13 / 3VU16

Description (for 3VU13 & 3VU16)	Version	Type	Unit LP ₹	Std. pkg. (nos.)
Add-on aux. block	1 NO + 1 NC	■ 3VU9131-3AA00	715.-	1
Short-circuit signaller	1 NO + 1 NC	■ 3VU9131-7AA00	845.-	1
Undervoltage release	230 V, 50 Hz	3VU9132-0AB15	1985.-	1
Shunt trip	230 V, 50 Hz 24 V, 50 Hz DC 110-240 V	3VU9132-0AB55		1
		3VU9132-0AB50		1
		3VU9132-0AB73		1
Toggle padlocking device	Locking in Off pos	3VU9168-0KA00	535.-	1

Description	Version	Type	Unit LP ₹	Std. pkg. (nos.)
50 kA current limiter for 3VU13 only	Rated current = 56 A aux contacts 1NO+1NC	3VU9138-2AB00	5560.-	1
Three-phase busbar for 3VU13 only	In feed terminal (63 A)	3RV1925-5AB	1095.-	1
	busbars for 2 MPCBs	3VU9135-1AB02	795.-	1
	busbars for 3 MPCBs	3VU9135-1AB03	960.-	1
	busbars for 4 MPCBs	3VU9135-1AB04	1230.-	1
	busbars for 5 MPCBs	3VU9135-1AB05	1385.-	1
Door operating mechanism with door interlock, defeat facility, pad locking facility, extension shaft 300mm	Breaker operating kit & front drive (fixed coupler) for 3VU13 for 3VU16	■ 3VU9133-Z <sup>@</sup> ■ 3VU9163-Z <sup>@</sup>	2175.- 2320.-	1 1
Front drive for 3VU13 & 3VU16	Fixed coupler	■ 8UC616	690.- <sup>#</sup>	1

@ 1 set available with breaker operator kit and 8UC front drive together

# MRP

■ Stock items

Please order in multiples of standard packing.

LP - List Price

# SIEMENS

*Ingenuity for life*



## Compact & Intelligent

### ET 200SP- Motor Starters

- Compact: Overload and short circuit protection in 30mm width
- Intelligent: Communication with PLC on profibus and profinet
- Push in technology: Hook in ,slide and engage
- Easy installation: In feed once, formation of power bus

## Digital soft starters - SIRIUS 3RW30/40/44



### 3RW30

From 1.5 - 55 kW

- Compact design
- Integrated bypass contact system
- Soft start
- Innovative 2-phase "Polarity Balancing" operation



### 3RW40

From 5.5 - 250 kW

- Soft start, soft stop, adjustable current limit.
- Integrated bypass contact system
- Integrated microprocessor based overload relay with adjustable trip class 10/15/20.
- Intrinsic device protection to protect against thermal overloading of thyristors.
- Integrated state and fault monitoring
- Innovative 2-phase "Polarity Balancing" operation



### 3RW44

From 22 - 1200 kW

- Coated Circuit board for better withstanding in harsh environments
- Torque control, Adjustable current limiting
- Graphical display (LCD) with background illumination
- Optional communication modules (PROFINET/PROFIBUS DP)
- Programmable 4 inputs and 3 outputs.
- Integrated motor overload protection with adjustable trip class 5/10/15/20/30 and device self-protection
- Integrated bypass contact system
- Integrated state and fault monitoring
- Standard circuit (in-line) and inside-the-delta circuit
- Creep speed / inching mode / brake function

### 3RW30: for standard applications

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200-480	1.5	3.6/3.3/3	3RW3013-1BB\$4	9520.-	1
200-480	3	6.5/6/5.5	3RW3014-1BB\$4	11045.-	1
200-480	4	9/8/7	3RW3016-1BB\$4	12660.-	1
200-480	5.5	12.5/12/11	3RW3017-1BB\$4	14995.-	1
200-480	7.5	17.6/17/14	3RW3018-1BB\$4	18050.-	1
200-480	11	25.3/23/21	3RW3026-1BB\$4	19935.-	1
200-480	15	32.2/29/26	3RW3027-1BB\$4	26040.-	1
200-480	18.5	38/34/31	3RW3028-1BB\$4	32510.-	1
200-480	22	45/42/39	3RW3036-1BB\$4	35380.-	1
200-480	30	65/58/53	3RW3037-1BB\$4	48125.-	1
200-480	37	72/62.1/60	3RW3038-1BB\$4	59260.-	1
200-480	45	80/73/66	3RW3046-1BB\$4	66445.-	1
200-480	55	106/98/90	3RW3047-1BB\$4	73625.-	1

\$ Order No. supplement for rated control supply voltage U<sub>s</sub>

• 24 V AC/DC 0

• 110 ... 230 V AC/DC

1

### 3RW40: for standard applications

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200...480	5.5	12.5 / 11 / 10	3RW4024-1BB\$4	25020.-	1
200...480	11	25 / 23 / 21	3RW4026-1BB\$4	30910.-	1
200...480	15	32 / 29 / 26	3RW4027-1BB\$4	38285.-	1
200...480	18.5	38 / 34 / 31	3RW4028-1BB\$4	47115.-	1
200...480	22	45 / 42 / 39	3RW4036-1BB\$4	53420.-	1
200...480	30	63 / 58 / 53	3RW4037-1BB\$4	63090.-	1
200...480	37	72 / 62 / 60	3RW4038-1BB\$4	71500.-	1
200...480	45	80 / 73 / 66	3RW4046-1BB\$4	80615.-	1
200...480	55	106 / 98 / 90	3RW4047-1BB\$4	89735.-	1

\$ Control Voltage Code: 0 for 24V AC / DC; 1 for 110...230V AC / DC

For 3RW40 soft starters with thermistor protection in the above range please add ₹ 6800.- to above price and change the 9th digit in the type reference to 'T' from 'B'. (e.g. 3RW4024 1TB04). The 3RW40 soft starter with thermistor protection can be offered with 24 V AC/DC supply voltage only

Rated operating voltage U <sub>e</sub> , In line circuit V AC	Motor rating at 415V, 40°C, normal starting, in line circuit kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type	Unit LP ₹	Std. pkg. (nos)
200...460	75	134 / 117 / 100	3RW4055-6BB†4	119170.-	1
200...460	90	162 / 145 / 125	3RW4056-6BB†4	147215.-	1
200...460	132	230 / 205 / 180	3RW4073-6BB†4	168240.-	1
200...460	160	280 / 248 / 215	3RW4074-6BB†4	203295.-	1
200...460	200	356 / 315 / 280	3RW4075-6BB†4	224320.-	1
200...460	250	432 / 385 / 335	3RW4076-6BB†4	245355.-	1

† Control voltage code: 3 for 115V AC, 4 for 230V AC

**3RW44: for heavy duty applications**

Rated operating voltage U <sub>e</sub> , in line circuit V AC	Motor rating at 415V, 40°C, normal starting, (in line circuit) kW	Motor rating at 415V, 40°C, normal starting, (in delta circuit) kW	Rated operating current I <sub>e</sub> (AC-53a) A (40°C/50°C/60°C)	Type*	Unit LP ₹	Std. pkg. (nos)
200...460	15	22	29 / 26 / 23	3RW4422-1BC\$4	79760.-	1
200...460	18.5	30	36 / 32 / 29	3RW4423-1BC\$4	94010.-	1
200...460	22	45	47 / 42 / 37	3RW4424-1BC\$4	99705.-	1
200...460	30	55	57 / 51 / 45	3RW4425-1BC\$4	119640.-	1
200...460	37	75	77 / 68 / 59	3RW4426-1BC\$4	142435.-	1
200...460	45	90	98 / 82 / 72	3RW4427-1BC\$4	179460.-	1
200...460	55	110	113 / 100 / 88	3RW4434-6BC\$4	207950.-	1
200...460	75	132	134 / 117 / 100	3RW4435-6BC\$4	227895.-	1
200...460	90	160	162 / 145 / 125	3RW4436-6BC\$4	235240.-	1
200...460	110	200	203 / 180 / 156	3RW4443-6BC\$4	243180.-	1
200...460	132	250	250 / 215 / 185	3RW4444-6BC\$4	264025.-	1
200...460	160	315	313 / 280 / 250	3RW4445-6BC\$4	284860.-	1
200...460	200	355	356 / 315 / 280	3RW4446-6BC\$4	336135.-	1
200...460	250	400	432 / 385 / 335	3RW4447-6BC\$4	382145.-	1
230...460	315	560	551 / 494 / 438	3RW4453-6BC\$4	484265.-	1
230...460	355	630	615 / 551 / 489	3RW4454-6BC\$4	640945.-	1
230...460	400	710	693 / 615 / 551	3RW4455-6BC\$4	723555.-	1
230...460	450	800	780 / 693 / 615	3RW4456-6BC\$4	797615.-	1
230...460	500	900	880 / 780 / 693	3RW4457-6BC\$4	834650.-	1
230...460	560	1000	970 / 850 / 760	3RW4458-6BC\$4	903020.-	1
230...460	630	1100	1076 / 970 / 880	3RW4465-6BC\$4	1042605.-	1
230...460	710	1200	1214 / 1076 / 970	3RW4466-6BC\$4	1182190.-	1

**Accessories for 3RW44**

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Software for PC interface	3ZS1313-4CC10-0YA5	5360.-	1
PC cable for PC/PG communication - USB connection	3UF79410AA00-0	9045.-	1
Profibus communication module	3RW49000KC00	18370.-	1
ProfiNET communication module	3RW49000NC00	31680.-	1
External display and operating module	3RW49000AC00	16685.-	1
- Connection cable for external display module (0.5 mtr - flat)	3UF79320AA00-0	1135.-	1
- Connection cable for external display module (1 mtr - round)	3UF79370BA00-0	2845.-	1
- Connection cable for external display module (2.5 mtr - round)	3UF79330BA00-0	3095.-	1

\* - For 3RW44 with operating voltage U<sub>e</sub> 400...600V AC: Change the last digit of MLFB from "4" to "5" and increase the standard operating voltage list price by 15%.

- For 3RW44 with operating voltage U<sub>e</sub> 400...690V AC: Change the last digit of MLFB from "4" to "6" and increase the standard operating voltage list price by 30%.

\$ Control voltage code: 3 for 115V AC, 4 for 230V AC

Note: Commissioning service is available at extra cost.

The Sirius 3RW30/40/44 soft starters are designed for normal starting conditions.

$$J_{load} < 10 \times J_{motor}$$

In the event of deviating conditions or higher switching frequency, it may be necessary to choose a larger unit.

Siemens recommends use of selection and simulation program **Simulation Tool for Soft Starters (STS)**.

Refer technical specifications for more details.

For more details, please visit: [www.siemens.com/softstarter](http://www.siemens.com/softstarter)





## 3RM1 Compact Starters – DOL and RDOL



Start-up with a small footprint –  
SIRIUS 3RM1 Motor Starter

Multifunctional with a width of just 22.5mm

Rated operational voltage Ue	Description	Type	Unit LP ₹
48–500V	DOL, upto 0.12KW	3RM10011AA.4	18000.-
48–500V	DOL, 0.09 to 0.75KW	3RM10021AA.4	18000.-
48–500V	DOL, 0.55 to 3KW	3RM10071AA.4	18000.-
48–500V	RDOL, upto 0.12KW	3RM12011AA.4	19600.-
48–500V	RDOL, 0.09 to 0.75KW	3RM12021AA.4	19600.-
48–500V	RDOL, 0.55 to 3KW	3RM12071AA.4	19600.-

Enter code for coil voltage,50Hz ( 0 for 24V DC, 1 for AC 110–230V AC; 110V DC

## Spares

Description	Type	Unit MRP ₹
3-phase busbar for 2 3RM1	3RM19101AA	upon request
3-phase busbar for 3 3RM1	3RM19101BA	upon request
3-phase busbar for 5 3RM1	3RM19101DA	upon request
CAP for busbar of 3RM1	3RM19106AA	upon request
3-PHASE FEED-IN TERMINAL 3RM1	3RM19201AA	upon request

A man and a woman in traditional Indian attire are standing in a lush green field. The man, wearing a white striped kurta and an orange turban, has a large pipe over his shoulder. The woman, wearing a red sari, is smiling. A large pipe is pouring water into the foreground, creating a large splash. The background is a clear blue sky.

**SIEMENS**

*Ingenuity for life*

## Agriculture Starter complying to latest standards

Automatic Star Delta Starters IEC 60947-4-1:  
2012 Compliant

Direct-on-Line Starters ISI Marked-BIS Approved

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

## DOL starters - 3TW



### Starter in S. S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>1)</sup> (DOL)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
0.33	0.25	3TW72911A.64	0.63-1	2045.-	1
0.75	0.55	3TW72911A.66	1-1.6		1
1	0.75	3TW72911A.68	1.6-2.5		1
1.5	1.1	3TW72911A.69	2-3.2		1
2	1.5	3TW72911A.71	3.2-5		1
3	2.2	3TW72911A.72	4-6.3		1
5	3.7	3TW72911A.74	6.3-10		1
-	-	3TW72911A.75	8-12.5		1
7.5	5.5	3TW72911A.77	10-16		1
10	7.5	3TW72911A.78	12.5-20		2680.-

<sup>1)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

### Starter in S.S.housing (without birelay - to be ordered separately)

Motor rating at 415V, 3ph, 50Hz		Type <sup>2)</sup> (DOL)	Birelay (recommended)	Unit LP ₹	Std. pkg. (nos.)
HP	kW				
15	11	3TW0493-2AR0**	3UA52(16-25A)	5540.-	1
20	15	■ 3TW0494-2A..	3UA55 (20-32A)	6805.-	1
25	18.5	■ 3TW0495-2A..	3UA55 (25-36A)	7775.-	1
30	22	■ 3TW0496-2A..	3UA58 (32-50A)	9590.-	1
40	30	3TW0497-2A..	3UA58 (40-57A)	12225.-	1
50	37	3TW0498-2A..	3UA58 (57-70A)	15865.-	1
75	55	3TW0590-2A..	3UA5830 (85-105A)	22240.-	1

\* Only coil voltage of 415V 50Hz available



## Star-delta starters - 3TE / 3LW

### Handle-operated starter in S.S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>1)</sup> (HSD)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
5	3.7	3LW4290-0A.72	4-6.3	7300.-	1
10	7.5	3LW4290-0A.74	6.3-10		1
12.5	9.3	3LW4290-0A.75	8-12.5		1
15	11	3LW4290-0A.77	10-16		1

<sup>1)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

### Automatic starter in S.S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>4)</sup> (ASD)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
10	7.5	3TE72910AW74	6.3-10	9130.-	1
12.5	9.3	3TE72910A.75	8-12.5	9580.-	1
15	11	3TE72910A.77	10-16	9830.-	1
20	15	3TE72910A.78	12.5-20	11945.-	1
25	18.5	3TE72910A.79	16-25	13310.-	1

<sup>4)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

### Automatic starter in S.S. housing (without birelay)

Motor rating at 415V, 3ph, 50Hz		Type <sup>2)</sup> (ASD)	Unit LP ₹	Std. pkg. (nos.)
HP	kW			
30	22	3TE0494-2A...	20660.-	1
40	30	3TE0494-2A...	20660.-	1
50	37	3TE0495-2A...	28850.-	1
60	45	3TE0496-2A...	40930.-	1
75	55	3TE0497-2A...	50085.-	1
100	75	3TE0594-2AR0*†	71275.-	1
125	90	3TE0595-2AR0*†	73375.-	1
150	110	3TE0596-2AR0*†	74420.-	1
180	132	3TE0597-2AR0*†	79665.-	1

\*† Have in-built relay

<sup>2)</sup> Enter code for coil voltage, 50Hz ("R0" for 415V, "P0" for 230V)

### Contactor & Birelay list for 3TE04/ 3TE05 type ASD starter

HP	KW	3TE04/ 3TE05 type starter	Contactor Line/ Delta	Contactor Star	Bi-relay †††
30	22	3TE0494-2A....	3TF34	3TF34	3UA55(16-25A)
40	30	3TE0494-2A....	3TF34	3TF34	3UA55(20-32A)
50	37	3TE0495-2A....	3TF35	3TF34	3UA55(32-40A)
60	45	3TE0496-2A....	3TF46	3TF34	3UA55(32-50A)
75	55	3TE0497-2A....	3TF47	3TF34	3UA55(40-57A)
100	75	3TE0594-2A....	3TF49	3TF47	3UA58(70-95A)
125	90	3TE0595-2A....	3TF50	3TF47	3UA58(70-95A)
150	110	3TE0596-2A....	3TF50	3TF50	3UA58(95-120A)
180	132	3TE0597-2A....	3TF51	3TF50	3UA62(115-180A)

††† 3TE05 have in-built birelay whereas 3TE04 doesn't have in-built birelay

Siemens switchgear. Tried, tested, trusted.

## Spares for starters

### Spares for 3TW42/3LW42 starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Cotactor for 200-400V	3TS30-10-0AZ608K	905.-	1
Cotactor for 200-400V	3TS32-10-0AZ608K	1215.-	1
Cotactor for 415V	3TS30-10-0AR008K	905.-	1
Cotactor for 415V	3TS32-10-0AR008K	1030.-	1
Relay	3UW5102-##	1355.-	1
Coil for 200-400V	3TY7403-0AZ6	605.-	10
Coil for 415V	3TY7403-0AR0	605.-	10
1NO Contact block	3SB54200B	85.-	10
"ON" & "OFF" Push button	#		10
'Reset' actuator for HSD	3TX0204-1YR0	137.-	1
Switch for HSD starter	3LA0204-4YB	&	1

The spares shall be used with starters only.

# Contact Sales

& Refer to valid LV Poer distribution products LP

### Code for 3UW50 relay range

Relay range	0.63-1	1-1.6	1.6-2.5	2-3.2	3.2-5	4-6.3	6.3-10	8-12.5	10-16	12.5-20	16-25
Code	0J	1A	1C	1D	1F	1G	1J	1K	2A	2B	2C

■ Stock items

Please order in multiples of standard packing.

### Spares for 3TE02 starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Cotactor for 200-400V	3TS30-10-0AZ608K	905.-	1
Cotactor for 415V	3TS30-10-0AR008K	905.-	1
Cotactor for 200-400V	3TS32-10-0AZ608K	1215.-	1
Cotactor for 415V	3TS32-10-0AR008K	1030.-	1
Cotactor for 200-400V	3TS33-00-0AZ608K	1555.-	1
Cotactor for 415V	3TS33-00-0AR008K	1375.-	1
Relay	3UW5102-##	1355.-	1
Relay	3UW5202##	1520.-	1
Coil for 200-400V	3TY7403-0AZ6	605.-	10
Coil for 415V	3TY7403-0AR0	605.-	10
1NO Contact block	3SB54200B	85.-	10
"ON" & "OFF" Push button	#		10
Star Delta timer (230-400V)	3RP1576-1NP208K	2055.-	1
Star Delta timer (380-440V)	3RP1576-1NM208K	2055.-	1

### Spares for other starters

Description	Type	Unit LP ₹	Std. pkg. (nos.)
Main, aux contacts & spare coils	Refer page no. 36	-	-
On/Off actuators	■ 3SX1552-1YA	116.-	1
On/Off contact	■ 3SX1551-1YA	230.-	1
On/Off actuator for 3TE05 only	3SB5201-7EC01	295.-	1
Electronic Timer	3RP1576-1NM208K	2055.-	1
Accessory for independent mounting of 3UA58	3UX1421-0XA	515.-	1

† Enter code for coil voltage F0 (110V), P0 (230V), R0 (415V)

For replacing 3TF44 order 3TF3422 and for replacing 3TF45 order 3TF3522

# 1NO + 1NC

@ 2NO + 2NC

## Innovation Continues with range of communication capable Motor Starters!



ET200SP

3RA6
ET200S
M200D

MRP - Maximum Retail Price

LP - List Price

## Electronic timers - 3RP



Function	Time range	Input voltage		Type	Unit LP ₹	Std. pkg (nos.)
		AC (50/60Hz)	DC			
On-delay with 1C/O contacts	0.5 – 10 sec	24/100-127 24/200-240	24 24	■ 3RP1511-1AQ308K ■ 3RP1511-1AP308K	1895.-	1 1
	5 – 100 sec	24/100-127 24/200-240	24 24	■ 3RP1513-1AQ308K ■ 3RP1513-1AP308K	1905.-	1 1
	0.05 sec to 100 Hrs. (15 time setting ranges)	24/100-127 24/200-240	24 24	■ 3RP1525-1AQ308K ■ 3RP1525-1AP308K	2790.-	1 1
		24 to 240	24 to 240	■ 3RP1525-1BW308K#	3765.-	1
Off-delay with 1C/O contacts	0.5 – 10 sec	24/100-127 24/200-240	24 24	■ 3RP1531-1AQ308K ■ 3RP1531-1AP308K	2515.-	1 1
	5 – 100 sec	24/100-127 24/200-240	24 24	■ 3RP1533-1AQ308K ■ 3RP1533-1AP308K	2550.-	1 1
Multi-function with 1C/O contacts	0.05 sec to 100 Hrs. (15 time setting ranges)	24 - 240	24 - 240	■ 3RP1505-1AW308K	3880.-	1
	Label set - 8 functions (On delay, Off delay, On+Off delay, flashing, pulse make contact, pulse break contact, pulse shaping and additive ON delay)			3RP1901-0A8K*	775.- <sup>5</sup>	1 pack
Star-Delta 1NO inst & 1NO delayed	1 – 20 sec	200-240 / 380-440V AC		3RP1574-1NM208K	1970.-	1
	3 – 60 sec	24/100-127	24	■ 3RP1576-1NQ308K	2005.-	1
		24/200-240	24	■ 3RP1576-1NP308K	2005.-	1
			200-240/380-440V AC		■ 3RP1576-1NM208K	2055.-
		230-400V AC		■ 3RP1576-1NP208K	2055.-	1
Push-in lug (for mounting 3RP timer with screws)				3RP19038K (1 pack = 10 pcs)	160.- <sup>5</sup>	1 pack

# with 2C/O contacts      \$ Price per pack      \* 1 pack consists of 1 label set

## 3RR2 Current monitoring relays

The relays can be installed as a stand-alone unit using the suitable terminal bracket.



### Screw Terminals

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Supply voltage	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>Basic Version</b>					
S00	1.6...16	24V AC/DC	3RR2141-1AA30	9500.-	1
	1.6...16	24...240V AC/DC	3RR2141-1AW30	10565.-	1
S0	4 ... 40	24V AC/DC	3RR2142-1AA30	12000.-	1
	4 ... 40	24...240V AC/DC	3RR2142-1AW30	13000.-	1

Size of relay / contactor	Set current value of the inverse-time delayed overload release A	Supply voltage	Type*	Unit LP ₹	Std. pkg. (nos.)
<b>Standard Version</b>					
S00	1.6...16	24V AC/DC	3RR2241-1FA30	19375.-	1
	1.6...16	24...240V AC/DC	3RR2241-1FW30	21140.-	1
S0	4 ... 40	24V AC/DC	3RR2242-1FA30	22910.-	1
	4 ... 40	24...240V AC/DC	3RR2242-1FW30	24675.-	1

For ordering terminal bracket for stand alone installation please refer page no. 42

\*For ordering current monitoring relay 3RR with spring type terminals, please replace 8th digit from '1' to '2'

## Line monitoring relays - 3UG

Phase Sequence	Phase Failure	Phase Imbalance	Under Voltage	Over Voltage	Delay times	Display	Contacts	Line Supply Voltage	Type	Unit LP ₹	Std. pkg. (nos.)
Yes	Yes	10%	-	-	-	-	1 CO	160-690V	3UG4512-1AR20	9015.-	1
Yes	Yes	20%	160-690V	-	Off delay 0.1-20 s	-	2 CO	160-690V	3UG4513-1BR20	11950.-	1
Yes	Yes	Yes	160-690V	160-690V	Off delay 0.1-20 s	Yes	2 CO	160-690V	3UG4615-1CR20	17310.-	1

## 3UG Monitoring Relays for Electrical and Additional Measurements

Hysteresis	Function	Version of Auxiliary Contacts	Control supply voltage Us <sup>1)</sup>	Type	Unit LP ₹	Std. pkg. (nos.)
		CO	V AC			
--	Phase Sequence Monitoring 3 Phase	1	360...520	3UG4511-1AP20	9000.-	1
		2		3UG4511-1BP20	10320.-	1
--	Monitoring of phase sequence, phase failure and phase unbalance	2	160...690	3UG4512-1BR20	11510.-	1
Adjustable 1-20V	Digital Monitoring Relay, phase sequence, phase & N conductor failure (90...400 w.r.t. N), overvoltage and undervoltage (Tripping delay 1-20) <sup>2)</sup>	2 <sup>2)</sup>	90...400 w.r.t. N	3UG4616-1CR20	20485.-	1
p.f. 0.1 & active current I <sub>res</sub> 0.1...2.0A	Digital Power factor and active current monitoring (p.f. range 0.1 to 0.99 & active current I <sub>res</sub> 0.2-10A) ON-delay 0-99s, OFF-delay 0.1-20s)	2	90...690	3UG4641-1CS20	20485.-	1
0.1...150V	Digital Voltage Monitoring Relay range 17 to 275V AC/DC spikedelay 0.1 to 20 sec	1	Self Powered	3UG4633-1AL30	15685.-	1
0.1...300V	Digital Voltage Monitoring Relay range 10...600V AC/DC, Delay 0.1..20sec	1	24...240V AC/DC	3UG4632-1AW30	16440.-	1
--	#Level Monitoring Relay sensitivity 2KΩ to 200KΩ. Tripping delay 0.1...10sec	1	24...240V AC/DC	3UG4501-1AW30	11125.-	1
--	#Wire electrode for Level Monitoring Relay, 500 MM long, with teflon insulation			3UG3207-3A	10935.-	1

1) Absolute limit values

2) 1 CO Contact each and 1 tripping delay time each for U<sub>min</sub> and U<sub>max</sub>.3) LSB: Smallest adjustable value, transformer-dependent, ≤ 1 % of I<sub>Δn</sub>.

# Level monitoring relays must be orderd along with electrodes, for different level controls varity of electrodes are available, for more details refer IC10.

## Thermistor motor protection relay - 3RN2

NEW

Type of Thermistor	Reset	Contacts	Control Supply voltage	Type	Unit LP ₹	Std. pkg. (nos.)
PTC type A	Auto	1CO	24V-240V AC/DC	3RN2000-1AW30	5500.-	1

## Insulation monitoring relay -3UG

Measuring Range U <sub>e</sub> kΩ	Function	Rated control supply voltage U <sub>s</sub> V	Type	Unit LP ₹	Std. pkg. (nos.)
1-110	Insulation monitors for ungrounded AC networks	24-240 AC/DC	3UG4581-1AW30	24410.-	1
		0 ... 250 AC	3UG4582-1AW30	31260.-	1
1-110	Insulation monitors for ungrounded DC & AC networks	0 ... 400 AC, 0 ... 600 DC <sup>1)</sup>	3UG4583-1CW30	45000.-	1
	Voltage reducer modules	Extending the mains voltage range to max. 690 V AC and 1000 V DC	3UG4983-1A	41745.-	1
	Sealable, transparent covers	For 3UG45 81, 3UG45 82	3UG4981-0C	1355.-	1
		For 3UG45 83	3UG4983-0C	1390.-	1

1) With 3UG49 83-1A voltage reducer module suitable also for the insulation monitoring of IT networks up to 690 V AC and 1000 V DC.

## Timing and Monitoring Relays



### Features and Benefits

- Two sizes for the entire range 17.5mm & 35mm width
- The entire range is suitable for DIN rail mounting
- Variant with digital display
- Auto / Manual reset



Relay	MLFB	Ø	Phase failure protection	Imbalance protection	Phase reversal protection	Under voltage protection	Over voltage protection	Under freq protection	Over freq protection	Earth leakage protection	Under current protection	Over current protection	Earth fault	Input for TC
Line monitoring relay	7UG0 712	3Ø 3W	✓	✓	✓									
	7UG0 818	3Ø 3W / 3Ø 4W	✓	✓	✓	✓	✓	✓	✓					
Voltage Monitoring relay	7UG0 753	3Ø 3W	✓		✓	✓	✓							
Current Monitoring relay	7UG0 82	1Ø 2W	✓	✓							✓	✓		
	7UG0 83	1Ø 2W / 3Ø 3W / 3Ø 4W	✓	✓							✓	✓		
Earth leakage relay	7UG0 84	1Ø 2W / 3Ø 3W / 3Ø 4W								✓				
Earth fault monitoring relay	7UG0 86	1Ø 2W / 3Ø 3W / 3Ø 4W											✓	
Temperature controller (TC)	7UG0 48													TC / RTD

## 7UG0 monitoring relays

	Description	Type	Unit LP ₹	Std. pkg. (nos.)	
Line monitoring relay	Self powered	3Ph-3W	7UG0712-1AA20	1040.-	1
	Self powered	3Ph-3W, 3Ph-4W	7UG0818-1CA20	2345.-	1
Voltage Monitoring relay	Self powered	3Ph-3W	7UG0753-1AA20	1765.-	1
Current Monitoring relay	110 V AC	1Ph-2W	7UG0821-1AB20	3085.-	1
	230 V AC	1Ph-2W	7UG0822-1AD20	2940.-	1
	110 V AC	1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0831-1AB20	3755.-	1
	230 V AC	1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0832-1AD20	3570.-	1
Earth leakage relay	110 V AC	1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0841-1CB20	3820.-	1
	230 V AC	1Ph-2W, 3Ph-3W, 3Ph-4W	7UG0842-1CD20	3820.-	1
CBCT for ELR		35mm	7UG09-96	1390.-	1
		70mm	7UG09-97	1620.-	1
		120mm	7UG09-99	2625.-	1
		210mm	7UG0 994*	4680.-	1
	310mm	7UG0 995*	7280.-	1	
Earth Fault monitoring relay	<b>Digital Earth Fault relay</b> • Auxillary voltage: 85 - 270 V AC/DC • Change over contact: 2C/O • Width: 35mm module		7UG0861-1BU20	3910.-	1
CBCT for EFR: 160 frame	Core Balance CT 160 frame, 3P		7UG09910	1400.-	1
	Core Balance CT 160 frame, 4P		7UG09911	1595.-	1
CBCT for EFR: 250 frame	Core Balance CT 250 frame, 3P		7UG09912	1695.-	1
	Core Balance CT 250 frame, 4P		7UG09913	1995.-	1
CBCT for EFR: 630 frame	Core Balance CT 630 frame, 3P		7UG09914	2495.-	1
	Core Balance CT 630 frame, 4P		7UG09915	2695.-	1
Automatic Power factor correction relay (APFC relay)	8 Stage with LCD display		7UG0571-1FT20	13310.-	1
	12 Stage with LCD display		7UG0572-1GT20	14040.-	1
	12 stage with LED display		7UG0572-1GT21	8840.-	1
Temperature controlling relay	PID/ON-OFF Control suitable for PTC/RTD inputs CO + SSR output		7UG0 480-1IU20	2970.-	1

## 7PV0 timers

	Description	Type	Unit LP ₹	Std. pkg. (nos.)	
ON delay timer	230V AC		7PV0712-1AD20	1100.-	1
Multifunction timer with digital display	20-240V AC/DC	15 functions	7PV0732-1AV20	2060.-	1
Multifunction timer - analog	20-240V AC / 12--240V DC	10 functions	7PV0723-1AZ20	1445.-	1

Note: \* Non RoHS and CE

# Plug-in-relay - 7RQ



### Features and Benefits

- LED status indicator as a standard feature - allows personnel to see the relay status in dark conditions
- Mechanical indicators - allow personnel to see relay status under normal light or bright conditions
- Easy grip cover - adds to the ease of removing the relay from the socket
- Removable I.D. (identification) label- allows for easy identification
- Wide operating voltage range
- DIN rail / PCB mounting – Quick & Easy Installation



Relay	Standard Features	Control supply voltage* (V)	Type	Unit LP ₹	Std. pkg. (nos.)	
<b>1CO</b>						
	6A 5 pin	• Mechanical Flag • LED indicator • Free wheeling diode	DC	24	7RQ0100-0AC00	200.- 10
				48	7RQ0100-0AD00	275.- 10
				110	7RQ0100-0AE00	385.- 10
		• Mechanical Flag • LED indicator	AC	24	7RQ0100-0AM10	245.- 10
				48	7RQ0100-0AN10	385.- 10
				110	7RQ0100-0AP10	400.- 10
			230	7RQ0100-0AR10	425.- 10	
<b>2CO</b>						
	6A 8 pin	• Mechanical Flag • LED indicator • Free wheeling diode	DC	24	7RQ0100-0BC00	295.- 10
				48	7RQ0100-0BD00	380.- 10
				110	7RQ0100-0BE00	405.- 10
		• Mechanical Flag • LED indicator	AC	24	7RQ0100-0BM10	365.- 10
				48	7RQ0100-0BN10	405.- 10
				110	7RQ0100-0BP10	410.- 10
			230	7RQ0100-0BR10	435.- 10	
<b>2CO</b>						
	10A 8 pin	• LED indicator	DC	24	7RQ0110-0BC00	405.- 10
				48	7RQ0110-0BD00	455.- 10
				110	7RQ0110-0BE00	510.- 10
		• LED indicator	AC	24	7RQ0110-0BM00	465.- 10
				48	7RQ0110-0BN00	520.- 10
				110	7RQ0110-0BP00	510.- 10
			230	7RQ0110-0BR00	565.- 10	
<b>3CO</b>						
	10A 11 pin	• LED indicator	DC	24	7RQ0100-0CC00	490.- 10
				48	7RQ0100-0CD00	520.- 10
				110	7RQ0100-0CE00	600.- 10
		• LED indicator	AC	24	7RQ0100-0CM00	520.- 10
				48	7RQ0100-0CN00	550.- 10
				110	7RQ0100-0CP00	585.- 10
			230	7RQ0100-0CR00	600.- 10	
<b>4CO</b>						
	5A 14 pin	• LED indicator	DC	24	7RQ0100-0DC00	425.- 10
				48	7RQ0100-0DD00	450.- 10
				110	7RQ0100-0DE00	545.- 10
		• LED indicator	AC	24	7RQ0100-0DM00	455.- 10
				48	7RQ0100-0DN00	485.- 10
				110	7RQ0100-0DP00	550.- 10
			230	7RQ0100-0DR00	585.- 10	

Socket	Standard Features	Type	Unit LP ₹	Std. pkg. (nos.)
<b>1CO</b>				
	10A PCB mounted	7RQ0202-1AX00	65.-	10
	Din rail mounting	7RQ0201-1AX00	120.-	10
<b>2CO</b>				
	6A PCB mounted	7RQ0202-1BX00	75.-	10
	Din rail mounting	7RQ0201-1BX00	190.-	10
<b>2CO</b>				
	10A PCB mounted	7RQ0212-1BX00	90.-	10
	Din rail mounting	7RQ0211-1BX00	210.-	10
<b>3CO</b>				
	10A Din rail mounting	7RQ0201-1CX00	305.-	10
<b>4CO</b>				
	7A PCB mounted	7RQ0202-1DX00	120.-	10
	Din rail mounting	7RQ0201-1DX00	220.-	10

\* Control supply voltage available upon request: 6V & 12V in AC / DC  
115 V AC



A close-up photograph of a Siemens SIRIUS ACT terminal block. The block is light grey and covered in water droplets. It features a white terminal cap at the top, a green terminal in the middle, and a red terminal at the bottom. To the left of each terminal is a black button with a white symbol: a vertical line for the green terminal, and a circle for the red terminal. The Siemens logo is embossed on the bottom left of the block.

**SIEMENS**

*Ingenuity for life*

## SIRIUS ACT – Performance in Action

- **Modern Design** - Elegant product design and high-quality material – as a distinguishing system design feature
- **Easy to Use** - From configuration to installation, SIRIUS ACT takes the concept of sophistication in simplicity to the next level
- **Extremely Rugged** - Reliable. Especially when things get rough. IP69K is our new standard.
- **Flexible Communication** - Whether standard wiring or direct connection to the controller – SIRIUS ACT offers flexibility via AS-i, IO-Link and Profinet.

[www.siemens.com/SIRIUS-Act](http://www.siemens.com/SIRIUS-Act)

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# Industrial Controls

8WN Signaling Columns

## 8WN - 70mm Modular unit IP 65

### Continuous light

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN4420-5AB00	Red	24 V AC/DC	2045.-	1
8WN4420-5AC00	Green			1
8WN4420-5AD00	Yellow			1
8WN4420-5AE00	White			1
8WN4420-5AF00	Blue			1
8WN4440-5AB00	Red	110 V AC/DC	1890.-	1
8WN4440-5AC00	Green			1
8WN4440-5AD00	Yellow			1
8WN4440-5AE00	White			1
8WN4440-5AF00	Blue			1
8WN4450-5AB00	Red	220 V AC	1890.-	1
8WN4450-5AC00	Green			1
8WN4450-5AD00	Yellow			1
8WN4450-5AE00	White			1
8WN4450-5AF00	Blue			1

### Blinking light

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN4420-5BB00	Red	24 V AC/DC	2220.-	1
8WN4420-5BC00	Green			1
8WN4420-5BD00	Yellow			1
8WN4420-5BE00	White			1
8WN4420-5BF00	Blue			1
8WN4440-5BB00	Red	110 V AC/DC	2220.-	1
8WN4440-5BC00	Green			1
8WN4440-5BD00	Yellow			1
8WN4440-5BE00	White			1
8WN4440-5BF00	Blue			1
8WN4450-5BB00	Red	220 V AC	2220.-	1
8WN4450-5BC00	Green			1
8WN4450-5BD00	Yellow			1
8WN4450-5BE00	White			1
8WN4450-5BF00	Blue			1

### Accessories for 70mm LED modular unit

Type	Description	Unit LP* ₹	Std. pkg. (nos.)
8WN4408-0AF00	Connection components, Screw terminals	630.-	1
8WN4408-0AG00	Caps for light elements	60.-	1
8WN4408-0DH00	Feet with pipes, single; Length 60mm	110.-	1
8WN4408-0DJ00	Feet with pipes, single; Length 80mm	130.-	1
8WN4408-0DA00	Feet with pipes, single; Length 110mm	140.-	1
8WN4408-0CC00	Brackets for side mounting, use together with foot with pipe	130.-	1

Type	Description	Unit LP* ₹	Std. pkg. (nos.)
8WN4408-0CF00	Brackets for side mounting,	500.-	1
8WN4408-0CG00	Fold-out support	240.-	1
8WN4420-0GA00	24 V AC/DC, continuous buzzer	1475.-	1
8WN4420-0HA00	24 V AC/DC, discontinuous buzzer	1725.-	1
8WN4440-0GA00	110 V AC/DC, continuous buzzer	1475.-	1
8WN4440-0HA00	110 V AC/DC, discontinuous buzzer	1725.-	1
8WN4450-0GA00	220 V AC, continuous buzzer	1475.-	1
8WN4450-0HA00	220 V AC, discontinuous buzzer	1725.-	1

## 8WN - 50mm Preassembled unit IP 20

### Continuous light without buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2221-6AB00	R	24V AC/DC	1890.-	1
8WN2222-6AG00	R, G		2720.-	1
8WN2223-6AJ00	R,Y,G		3540.-	1
8WN2241-6AB00	R	110 V AC/DC	1890.-	1
8WN2242-6AG00	R, G		2720.-	1
8WN2243-6AJ00	R,Y,G		3540.-	1
8WN2251-6AB00	R	220 V AC	1890.-	1
8WN2252-6AG00	R, G		2720.-	1
8WN2253-6AJ00	R,Y,G		3540.-	1

### Continuous light with continuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6JB00	R	24V AC/DC	2220.-	1
8WN2223-6JG00	R, G		3045.-	1
8WN2224-6JJ00	R,Y,G		3870.-	1
8WN2242-6JB00	R	110 V AC/DC	2220.-	1
8WN2243-6JG00	R, G		3045.-	1
8WN2244-6JJ00	R,Y,G		3870.-	1
8WN2252-6JB00	R	220 V AC	2220.-	1
8WN2253-6JG00	R, G		3045.-	1
8WN2254-6JJ00	R,Y,G		3870.-	1

### Blinking light without buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2221-6BB00	R	24V AC/DC	2220.-	1
8WN2222-6BG00	R, G		3045.-	1
8WN2223-6BJ00	R,Y,G		3870.-	1

### Blinking light with continuous buzzer

Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6MB00	R	24V AC/DC	2470.-	1
8WN2223-6MG00	R, G		3290.-	1
8WN2224-6MJ00	R,Y,G		4115.-	1

### Continuous light with discontinuous buzzer







Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6KB00	R	24V AC/DC	2470.-	1
8WN2223-6KG00	R, G		3290.-	1
8WN2224-6KJ00	R,Y,G		4115.-	1
8WN2242-6KB00	R	110 V AC/DC	2470.-	1
8WN2243-6KG00	R, G		3290.-	1
8WN2244-6KJ00	R,Y,G		4115.-	1
8WN2252-6KB00	R	220 V AC	2470.-	1
8WN2253-6KG00	R, G		3290.-	1
8WN2254-6KJ00	R,Y,G		4115.-	1

### Blinking light with discontinuous buzzer


Type	Color	Voltage	Unit LP* ₹	Std. pkg. (nos.)
8WN2222-6NB00	R	24V AC/DC	2720.-	1
8WN2223-6NG00	R, G		3540.-	1
8WN2224-6NJ00	R,Y,G		4360.-	1

## Indicating Lamps 3SB5

### Compact LED indicating lamps

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)		
	24 V AC/DC 50/60 Hz	Red	■ 3SB5285-6HC01	245.-	10		
		Green	■ 3SB5285-6HE01		10		
		Amber	■ 3SB5285-6HL01		10		
			30V DC ®	Blue	■ 3SB5285-6HF01	620.-	10
				White	3SB5285-6HG01		10
				Yellow	3SB5285-6HD01	245.-	10
				Clear	3SB5285-6HH01		10
Red	3SB5285-6HC13			265.-	10		
Green	3SB5285-6HE13				10		
Amber	3SB5285-6HL13				10		
	110 V AC 50/60 Hz	Blue	3SB5285-6HF13	700.-	10		
		White	3SB5285-6HG13		10		
		Yellow	3SB5285-6HD13	265.-	10		
		Clear	3SB5285-6HH13		10		
		Red	■ 3SB5285-6HC02	245.-	10		
		Green	■ 3SB5285-6HE02		10		
		Amber	■ 3SB5285-6HL02		10		
	110 V DC ®	Blue	■ 3SB5285-6HF02	620.-	10		
		White	3SB5285-6HG02		10		
		Yellow	3SB5285-6HD02	245.-	10		
		Clear	3SB5285-6HH02		10		
		Red	■ 3SB5285-6HC04	265.-	10		
		Green	■ 3SB5285-6HE04		10		
		Amber	■ 3SB5285-6HL04		10		
	220/240 V AC 50/60 Hz	Blue	■ 3SB5285-6HF04	690.-	10		
		White	3SB5285-6HG04		10		
		Yellow	3SB5285-6HD04	265.-	10		
		Clear	3SB5285-6HH04		10		
		Red	■ 3SB5285-6HC03	245.-	10		
		Green	■ 3SB5285-6HE03		10		
		Amber	■ 3SB5285-6HL03		10		
	220 V DC ®	Blue	■ 3SB5285-6HF03	620.-	10		
		White	3SB5285-6HG03		10		
		Yellow	3SB5285-6HD03	245.-	10		
		Clear	3SB5285-6HH03		10		
		Red	■ 3SB5285-6HC05	265.-	10		
		Green	■ 3SB5285-6HE05		10		
		Amber	■ 3SB5285-6HL05		10		
				690.-	10		
				265.-	10		
					10		


### Wide band compact LED indicating lamps

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)		
	42 to 240 V AC & 42 to 220 V DC	Red	■ 3SB5235-6HC14	380.-	10		
		Green	■ 3SB5235-6HE14		10		
		Amber	■ 3SB5235-6HL14		10		
				Blue	■ 3SB5235-6HF14	670.-	10
				White	3SB5235-6HG14	380.-	10
				Yellow	3SB5235-6HD14	520.-	10
				Clear	3SB5235-6HH14		10


### Modular Indicating Lamps (with plastic front ring) Lens Assembly

	Colour	Type	Unit LP ₹	Std Pkg (nos.)
	Red	■ 3SB5201-6BC00	80.-	10
	Green	■ 3SB5201-6BE00		10
	Amber	■ 3SB5201-6BL00		10
	Blue	■ 3SB5201-6BF00		10
	White	3SB5201-6BG00		10
	Yellow	3SB5201-6BD00		10
	Clear	3SB5201-6BH00		10


### Illumination Module § - (suitable for INTEGRATED LED lamp)

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)
	24 V AC/DC 50/60 Hz	Red	■ 3SB5400-7CC	205.-	10
		Green	■ 3SB5400-7CE	205.-	10
		Amber	■ 3SB5400-7CL	205.-	10
		Blue	■ 3SB5400-7CF	650.-	10
		White†	3SB5400-7CG	205.-	10
		Yellow	3SB5400-7CD	205.-	10
		110 V AC 50/60 Hz	Red	■ 3SB5400-7EC	205.-
	Green		■ 3SB5400-7EE	205.-	10
	Amber		■ 3SB5400-7EL	205.-	10
	Blue		■ 3SB5400-7EF	650.-	10
	White†		3SB5400-7EG	205.-	10
	Yellow		3SB5400-7ED	205.-	10
	110 V DC®		Red	■ 3SB5400-7DC	205.-
		Green	■ 3SB5400-7DE	205.-	10
		Amber	■ 3SB5400-7DL	205.-	10
		Blue	■ 3SB5400-7DF	650.-	10
		White†	3SB5400-7DG	205.-	10
		Yellow	3SB5400-7DD	205.-	10
		230 V AC 50/60 Hz	Red	■ 3SB5400-7TC	205.-
	Green		■ 3SB5400-7TE	205.-	10
	Amber		■ 3SB5400-7TL	205.-	10
	Blue		■ 3SB5400-7TF	650.-	10
	White†		3SB5400-7TG	205.-	10
	Yellow		3SB5400-7TD	205.-	10
	220 V DC®		Red	■ 3SB5400-7HC	205.-
		Green	■ 3SB5400-7HE	205.-	10
		Amber	■ 3SB5400-7HL	205.-	10
		Blue	■ 3SB5400-7HF	650.-	10
		White†	3SB5400-7HG	205.-	10
		Yellow	3SB5400-7HD	205.-	10

### Illumination Module § - (suitable for BA9s LED lamp)

	Voltage	Colour	Type	Unit LP ₹	Std Pkg (nos.)
	24 V AC/DC	Red	3SB5400-8CC	345.-	10
		Green	3SB5400-8CE		10
		Blue	3SB5400-8CF		10
		Yellow	3SB5400-8CD		10
	110 V AC/DC	Red	3SB5400-8FC	425.-	10
		Green	3SB5400-8FE		10
		Blue	3SB5400-8FF		10
		Yellow	3SB5400-8FD		10
		240 V AC 50/60 Hz	Red		3SB5400-8SC
	Green		3SB5400-8SE	10	
	Blue		3SB5400-8SF	10	
	Yellow		3SB5400-8SD	10	

### Illumination Module § - (suitable for BA9s FILAMENT lamp)

	Voltage	Type	Unit LP ₹	Std Pkg (nos.)
	24 V AC/DC (24 V lamp)	■ 3SB5400-6CC	115.-	10
	110 V AC/DC (130 V lamp)	■ 3SB5400-6FH		10
	230V AC/DC (130 V lamp)	■ 3SB5400-6LH		10

@ Use of bridge rectified DC source (filtered O/P) recommended  
† Can be used with clear lens.

§ Illumination module can be used with lens assembly, illuminated push buttons & illuminated selector actuators. ■ Stock items

# Push buttons

## Modular Push button actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>Opaque actuator (with holder for contact block)</b>				
	Normal	Red ■ 3SB5000-0AC01	70.-	10
		Green ■ 3SB5000-0AE01		
		Blue ■ 3SB5000-0AF01		
		White ■ 3SB5000-0AG01		
		Yellow ■ 3SB5000-0AD01		
	Raised	Black ■ 3SB5000-0AB01	80.-	10
		Red ■ 3SB5000-0LC01		
		Green ■ 3SB5000-0LE01		
		Blue ■ 3SB5000-0LF01		
		White 3SB5000-0LG01		
	Normal	Yellow 3SB5000-0LD01	90.-	10
		Black 3SB5000-0LB01		
		Red ■ 3SB5001-0AC01-0PQ0		
		Green ■ 3SB5001-0AE01-0PQ0		
		Amber 3SB5001-0AL01-0PQ0		
		Blue 3SB5001-0AF01-0PQ0		
		White 3SB5001-0AG01-0PQ0		
Yellow 3SB5001-0AD01-0PQ0				
	Raised	Clear 3SB5001-0AH01-0PQ0	95.-	10
		Red ■ 3SB5218-0LC01-0PQ0		
		Green ■ 3SB5218-0LE01-0PQ0		
		Amber 3SB5218-0LL01-0PQ0		
		Blue 3SB5218-0LF01-0PQ0		
		White 3SB5218-0LG01-0PQ0		
		Yellow 3SB5218-0LD01-0PQ0		
Clear 3SB5218-0LH01-0PQ0				

## Modular Selector Actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>2 position opaque selector actuator (with holder for contact block)</b>				
	Maintained	Black ■ 3SB5000-2AB01	230.-	10
		Red ■ 3SB5000-2AC01		
	Momentary	Black 3SB5000-2BB01		
		Red 3SB5000-2BC01		
<b>3 position opaque selector actuator (with holder for contact block)</b>				
	Maintained	Black ■ 3SB5000-2DB01	235.-	10
		Red ■ 3SB5000-2DC01		
	Momentary	Black ■ 3SB5000-2EB01		
		Red ■ 3SB5000-2EC01		
<b>2 position illuminated selector actuator (with holder for contact block)</b>				
	Maintained	Red ■ 3SB5001-2AC01	225.-	10
		Green ■ 3SB5001-2AE01		
		Blue 3SB5001-2AF01		
		Yellow 3SB5001-2AD01		
		Clear 3SB5001-2AH01		
	Momentary	Red ■ 3SB5001-2BC01		
		Green ■ 3SB5001-2BE01		
		Blue 3SB5001-2BF01		
		Yellow 3SB5001-2BD01		
		Clear 3SB5001-2BH01		
<b>3 position illuminated selector actuator (with holder for contact block)</b>				
	Maintained	Red ■ 3SB5001-2DC01	240.-	10
		Green ■ 3SB5001-2DE01		
		Blue 3SB5001-2DF01		
		Yellow 3SB5001-2DD01		
		Clear 3SB5001-2DH01		
	Momentary	Red ■ 3SB5001-2EC01		
		Green ■ 3SB5001-2EE01		
		Blue 3SB5001-2EF01		
		Yellow 3SB5001-2ED01		
		Clear 3SB5001-2EH01		

## Contact Blocks for Push button, Selector & Key Actuators

Description	Configuration	Type	Unit LP ₹	Std Pkg (nos.)
<b>Contact blocks for rear mounting (for panel mounting)</b>				
	1 NO	■ 3SB5400-0B	85.-	10
	1NC	■ 3SB5400-0C		
	1NO + 1 NC	■ 3SB5400-0A		
	2 NO	■ 3SB5400-0E	155.-	10
	2 NC	■ 3SB5400-0F		

## Mushroom Actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
<b>Mushroom actuator (40 mm ø) (with holder for contact block)</b>				
<b>momentary</b>	Black	3SB5000-1NB01	135.-	10
	Red	■ 3SB5000-1NC01		
<b>push to trip, turn to release</b>	Black	■ 3SB5000-1CB01	165.-	10

## Mushroom Actuators (with plastic front ring) for Emergency Stop Specifications

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)
Mushroom actuator (40 mm ø) <b>push to trip, turn to release with 1NC</b>	Red	■ 3SB5203-0UC01	255.-	10
Mushroom actuator (40 mm ø) <b>push to trip, turn to release</b>	Red	3SB5000-0UC01	175.-	10
Mushroom actuator (40 mm ø) <b>push to trip, key to release</b>	Red	3SB5000-0TC01	1070.-	10

## Modular key actuators (with plastic front ring)

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)	
2 position key actuator (with holder for contact block)	Maintained	0 I* ■ 3SB5000-4AC01	315.-	10	
		0* I	3SB5000-4AA01	315.-	10
		0* I*	3SB5000-4AB01	315.-	10
	Momentary	0* I	■ 3SB5000-4TA01	315.-	10
		0* I*	3SB5000-4TC01	315.-	10
		0* I*	3SB5000-4TA01	315.-	10
3 position key actuator (with holder for contact block)	Maintained	0* I II ■ 3SB5000-4HA01	410.-	10	
		0* I II*	3SB5000-4HC01	410.-	10
		0* I II*	3SB5000-4HB01	410.-	10
	Momentary	0* I II	■ 3SB5000-4JA01	410.-	10

\* Key removable position  
L - Left, R - Right, C - Centre, KL - Key at Left, KR - Key at Right, KC - Key at Centre

## Twin Push Button Actuators

Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Complete actuator with holder for contact block</b>			
Opaque with 1NO & 1NC	3SB5201-7EC01	295.-	10
Illuminated with 1NO & 1NC	3SB5234-7EC01		
<b>Modular actuator with holder for contact block</b>			
Opaque	3SB5000-7EC01	140.-	10
Illuminated	3SB5001-7EC01		

■ Stock items

## Push button Stations



No. of control points	Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Metal enclosure : Aluminum Die Cast</b>				
1	Normal opaque push button - Green with 1NO contact block, "START"	■ 3SB5801-8AA3	930.-	1
1	Red mushroom momentary actuator, with 1NC contact block, "STOP"	■ 3SB5801-8AN3	1005.-	1
1	Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"	■ 3SB5801-8AM3	1325.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	■ 3SB5802-8AC3	1150.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"	■ 3SB5802-8AE3	1465.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	■ 3SB5803-8AH3	1645.-	1
<b>Pendant mounting : Aluminum Die Cast</b>				
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	3SB5822-8AC3	1575.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	3SB5823-8AH3	2050.-	1
<b>Plastic Enclosure</b>				
1	Normal opaque push button - Green with 1NO contact block, "START"	3SB5801-7AA3	550.-	1
1	Red mushroom momentary actuator, with 1NC contact block, "STOP"	3SB5801-7AN3	550.-	1
1	Red maintained mushroom actuator, turn to release, with 1NC contact block, "E-STOP"	3SB5801-7AM3	595.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	3SB5802-7AC3	640.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Red mushroom-maintained with 1NC contact block, "STOP"	3SB5802-7AE3	740.-	1
3	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	3SB5804-7AG3	820.-	1

### Pendant mounting : Plastic

No. of control points	Description	Type	Unit LP ₹	Std Pkg (nos.)
1	Normal opaque push button - Green with 1NO contact block, "START"	3SB5821-7AA3	1185.-	1
2	Normal opaque push button - Green with 1NO contact block, "START" + Normal opaque push button - Red with 1NC contact block, "STOP"	3SB5822-7AC3	1450.-	1
3	Normal opaque push button - Green with 1NO contact block, "FORWARD" + Normal opaque push button - Red with 1NC contact block, "STOP" + Normal opaque push button - Black with 1NO contact block, "REVERSE"	3SB5823-7AH3	1895.-	1

### Accessories for push button stations

Description	Type	Unit LP ₹	Std Pkg (nos.)
<b>Plastic Enclosures</b>			
1 way, Grey	3SB5801-0AC3	400.-	1
2 way, Grey	3SB5802-0AC3	335.-	1
3 way, Grey	3SB5803-0AC3	350.-	1
4 way, Grey	3SB5804-0AC3	765.-	1
6 way, Grey	3SB5806-0AC3	1060.-	1
1 way, Yellow	3SB5801-0AD3	400.-	1
<b>Metal Enclosures</b>			
1 way	3SB5801-4AC3	785.-	1
2 way	3SB5802-4AC3	855.-	1
3 way	3SB5803-4AC3	1195.-	1
<b>Contact Block</b>			
Contact block for base mounting, 1NO	■ 3SB54200B	85.-	10
Contact block for base mounting, 1NC	■ 3SB54200C	85.-	10
<b>Illumination module BA9s lamp holder - Base Connection (For enclosures)</b>			
Lamp Holder with Lamp 110V AC/DC	3SB5420-2PF0	115.-	10
Lamp Holder with Lamp 230V AC	3SB5420-2PLO	115.-	10
<b>Inscription Labels (set of 11 labels)</b>			
Set of 11 labels: Start, Stop, On, OFF, Up, Down, Open, Close Forward, Reverse, Emergency Off	3SB5901-3EA	165.-	10
<b>Blanking plug</b>			
Blanking plug	3SB5912-0BC	40.-	10

### ■ Stock items



## Spares and Accessories

### Spares for Push button actuators

Description	Colour	Type	Unit LP ₹	Std Pkg (nos.)	
Spare coloured discs for push button actuator	Normal	Red	3SB5910-0AC	20.-	10
		Green	3SB5910-0AE		10
		Blue	3SB5910-0AF		10
		White	3SB5910-0AG		10
		Yellow	3SB5910-0AD		10
		Black	3SB5910-0AB		10
Spare coloured discs for push button actuator	Raised	Red	3SB5910-0BC	20.-	10
		Green	3SB5910-0BE		10
		Blue	3SB5910-0BF		10
		White	3SB5910-0BG		10
		Yellow	3SB5910-0BD		10
		Black	3SB5910-0BB		10
Spare coloured discs for illuminated push button actuator	Normal	Red	3SB5910-0CC	20.-	10
		Green	3SB5910-0CE		10
		Amber	3SB5910-0CR		10
		Blue	3SB5910-0CF		10
		White	3SB5910-0CG		10
		Yellow	3SB5910-0CD		10
Spare coloured discs for illuminated push button actuator	Raised	Red	3SB5910-0DC	20.-	10
		Green	3SB5910-0DE		10
		Amber	3SB5910-0DR		10
		Blue	3SB5910-0DF		10
		White	3SB5910-0DG		10
		Yellow	3SB5910-0DD		10
	Clear	3SB5910-0DH	10		
Plastic front ring		3SB5911-1BA	20.-	10	
Plastic holder with screws		3SB5912-0BA	35.-	10	

### Spares for indicating lamps

Description	Type	Unit LP ₹	Std Pkg (nos.)	
Lens for Indicating lamp	Red	3SB5910-1PC	35.-	10
	Green	3SB5910-1PE		10
	Amber	3SB5910-1PR		10
	Blue	3SB5910-1PF		10
	White	3SB5910-1PG		10
	Yellow	3SB5910-1PD		10
	Clear	3SB5910-1PH		10
BA9s Filament lamp	24V/2W	3SB5902-6C	35.-	10
	130V/2.5W	3SB5902-6D		10
BA9s LED Lamp 24V AC/DC	Red	3SB5902-3FK	90.-	10
	Green	3SB5902-3GK	90.-	10
	Blue	3SB5902-3JK	270.-	10
	Yellow	3SB5902-3HK	90.-	10
Lens for illuminated twin push button	White	3SB5912-0BB	20.-	10
Tool for fitting actuators on metal enclosures		3SB5902-2BX	1260.-	1

### Accessories

Description	Type	Unit LP ₹	Std Pkg (nos.)	
Inscription plates	START	3SB5901-2EL	20.-	10
	STOP	3SB5901-2EK		10
	ON	3SB5901-2EB		10
	OFF	3SB5901-2EC		10
	UP	3SB5901-2ED		10
	DOWN	3SB5901-2EE		10
	FORWARD	3SB5901-2EF		10
	SLOW	3SB5901-2ES		10
	FAST	3SB5901-2ER		10
	REVERSE	3SB5901-2EG		10
	BLANK	3SB5901-2AA		10
	TRIP	3SB5901-2EA		10
	Thrust cap for Push Buttons (for actuating middle module)	3SB5902-0AA		20.-
Thrust pad for Selector Actuators (for actuating middle module)	3SB5912-0AN	20.-	10	
Adaptor plate for replacing 30 mm PB by 22 mm	3SB5921-0AE	20.-	10	
E-stop Yellow dia. 75 mm for Mushroom - Blank (Yellow contrast label)	3SB5921-0AB	20.-	10	
E-stop Yellow dia. 75mm with "EMERGENCY STOP" printing	3SB5921-0AD	20.-	10	
Grip for fixing BA9s lamp	3SB5902-2AD	20.-	10	
Protective Cap (IP-67) for	Normal	3SB5902-0AK	30.-	10
	Raised	3SB5902-0AN		
Metallic holder for front connection actuators (when used outside 3SB508 stations)	3SB5911-1AA	40.-	10	



■ Stock items

LP - List Price

**SIEMENS**

*Ingenuity for life*



# SIRIUS 3SE5 Position Switches

Modular design for all applications

Modular design with many standardized components


- Plug-in design and replacement of the actuator heads
- Exchangeable two and three pole contact blocks
- Turnable actuator heads around the axis in increments of 22.5°, with total 16 positions
- Quick-connect technology
- Optional LED Displays
- Communication Capable (AS-i Safe)


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



## Position Switches - 3SE5



### Open Type 30mm IP 10

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Open		Snap Action	1NO + 1NC	3SE5250-0YC05	435.-	10
		Slow Action		3SE5250-0BC05		10

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Open		Snap Action	1NO + 2NC	3SE5250-0LC05	725.-	10
		Slow Action	1NO + 2NC	3SE5250-0KC05		10
		Slow action contacts with make before break	1NO + 2NC	3SE5250-0MC05		10
		Slow action	2NO + 1 NC	3SE5250-0PC05		10




### Plastic enclosure: Enclosed type modular unit IP 65

#### Basic switch

Width	Basic switch	Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
31mm		Snap Action	1NO + 1NC	3SE5232-0YC05	485.-	1
		Slow Action	1NO + 1NC	3SE5232-0BC05	510.-	1
		Snap Action	1NO + 2NC	3SE5232-0LC05	725.-	1
		Slow Action	1NO + 2NC	3SE5232-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5232-0MC05		1
		Slow Action	2NO + 1NC	3SE5232-0PC05		1
50mm		Snap Action	1NO + 1NC	3SE5242-0YC05	530.-	1
		Slow Action	1NO + 1NC	3SE5242-0BC05	530.-	1
		Snap Action	1NO + 2NC	3SE5242-0LC05	820.-	1
		Slow Action	1NO + 2NC	3SE5242-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5242-0MC05		1
		Slow Action	2NO + 1NC	3SE5242-0PC05		1

### Metal enclosure: Enclosed type modular unit IP 66/ IP 67

#### Basic switch

Width	Basic switch	Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
31mm		Snap Action	1NO + 1NC	3SE5212-0YC05	750.-	1
		Slow Action	1NO + 1NC	3SE5212-0BC05		1
		Snap Action	1NO + 2NC	3SE5212-0LC05	870.-	1
		Slow Action	1NO + 2NC	3SE5212-0KC05		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5212-0MC05	920.-	1
		Slow Action	2NO + 1NC	3SE5212-0PC05		1
40mm		Snap Action	1NO + 1NC	3SE5112-0YA00	770.-	1
		Slow Action	1NO + 1NC	3SE5112-0BA00	770.-	1
		Snap Action	1NO + 2NC	3SE5112-0LA00	920.-	1
		Slow Action	1NO + 2NC	3SE5112-0KA00		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5112-0MA00	965.-	1
		Slow Action	2NO + 1NC	3SE5112-0PA00		1
56mm		Snap Action	1NO + 1NC	3SE5122-0YA00	800.-	1
		Slow Action	1NO + 1NC	3SE5122-0BA00		1
		Snap Action	1NO + 2NC	3SE5122-0LA00	1115.-	1
		Slow Action	1NO + 2NC	3SE5122-0KA00		1
		Slow-action contacts with make-before-break	1NO + 2NC	3SE5122-0MA00	1210.-	1
		Slow Action	2NO + 1NC	3SE5122-0PA00		1

**Plastic Roller Actuators heads for plastic 31 mm & 50mm and Metal 31 mm**

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller Plunger		3SE5000-0AD03	195.-	5
Roller lever		3SE5000-0AE10	95.-	5
Angular Roller lever		3SE5000-0AF10	100.-	5
Part turn actuator for twist lever		3SE5000-0AK00		5
Twist Lever		3SE5000-0AA21#	75.-	5
Twist Lever (Adjustable)		3SE5000-0AA50#	160.-	5
Twist lever 50mm dia (Adjustable)		3SE5000-0AA58#	210.-	5

**Metal Roller Actuators heads for plastic 31 mm & 50mm and Metal 31 mm**

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller Plunger		3SE5000-0AD04	210.-	5
Roller lever		3SE5000-0AE11	145.-	5
Part turn actuator for twist lever		3SE5000-0AK00	100.-	5
Twist Lever (Adjustable)		3SE5000-0AA51#	190.-	5
Plain Plunger		3SE5000-0AB01	285.-	5

**Plastic Roller Actuators heads for metal 40mm and 56mm**

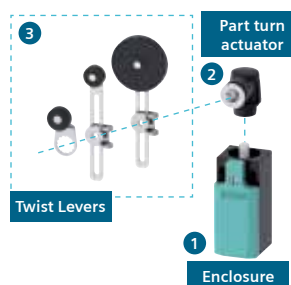
Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Roller lever		3SE5000-0AE01	135.-	5
Angular Roller lever		3SE5000-0AF01	240.-	5
Part turn actuator for twist lever		3SE5000-0AH00	210.-	5
Twist Lever		3SE5000-0AA01#	90.-	5
Twist Lever (Adjustable)		3SE5000-0AA50#	160.-	5
Fork type		3SE5000-0AT01\$	95.-	5
Mounting Head for Fork Type		3SE5000-0AT10	920.-	5
Twist lever 50mm dia (Adjustable)		3SE5000-0AA58#	210.-	5

**Metal Roller Actuators heads for metal 40mm and 56mm**

Actuator Type	Actuators heads	Type	Unit LP ₹	Std. pkg. (nos.)
Rounded Plunger		3SE5000-0AC02	170.-	5
Roller Plunger		3SE5000-0AD02	245.-	5
Roller lever		3SE5000-0AE02	175.-	5
Angular Roller lever		3SE5000-0AF02	270.-	5
Part turn actuator for twist lever		3SE5000-0AH00	210.-	5
Twist Lever		3SE5000-0AA02#	110.-	5
Twist Lever (Adjustable)		3SE5000-0AA51#	190.-	5

Notes:

1. The basic switch comes with a Teflon plunger, in case of rounded plunger requirements no need to order actuator separately
2. # Twist levers are to be ordered with part turn actuator to allow fitment on enclosure
3. \$ Fork type actuator shall be ordered with mounting head 3SE5000-0AT10



Spare and Accessories

Actuator Type		Description	Type	Unit LP ₹	Std. pkg. (nos.)
Empty enclosures		Empty enclosures without contact block	3SE5250-0AC05	195.-	10

Spares for Open & enclosed switch

Actuator Type		Contact Arrangement	No. of Contacts	Type	Unit LP ₹	Std. pkg. (nos.)
Contact block		Slow action	1NO + 1NC	3SE5050-0BA00*	390.-	10
		Snap action		3SE5000-0YA00		10
		Slow action		3SE5000-0BA00		10
		Slow action	1NO + 2NC	3SE5000-0KA00	510.-	10
		Snap action		3SE5000-0LA00		10
		Slow-action contacts with make-before-break	2NO + 1 NC	3SE5000-0MA00	530.-	10
		Slow action		3SE5000-0PA00		10

Note: 3SE5000-0BA00 can be used only with enclosed type switch

\* Suitable for Open execution

Actuator Type		Description	Type	Unit LP ₹	Std. pkg. (nos.)
Cable gland		Molded Plastic Cable Gland, M20X1.5	3SX9926	510.-	5
Protective Cap		Protective Cap. Acc. to EN50047, for protection of rounded plunger	3SE5000-0AC30	25.-	5

Actuator Type		Type	Type	Unit LP ₹	Std. pkg. (nos.)
31MM		Plastic	3SE5232-0AC05	360.-	1
50MM			3SE5242-0AC05	530.-	1
31MM		Metal	3SE5212-0AC05	580.-	1
40MM			3SE5112-0AA00	725.-	1
56MM			3SE5122-0AA00	965.-	1



## Easy, flexible, efficient

Integrated connection of the field level to the control – revolutionized automation applications with AS-i and benefits

[www.siemens.com/as-interface](http://www.siemens.com/as-interface)

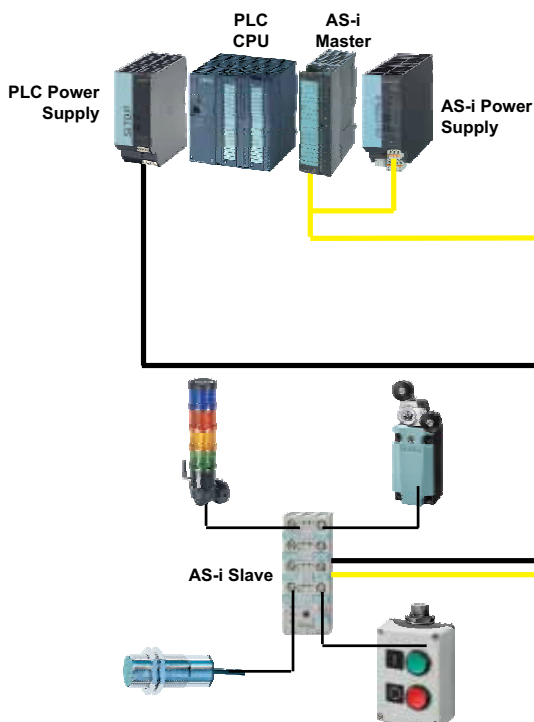
### AS-I Masters and Power supplies



### I/O Modules



### Integrated Solutions



Actuator Sensor interface (AS-i) is a 2 wire simple bus system that connects field devices like limit switches, proximity sensors, valves, etc to a PLC. This eliminates the huge control cabling in your machine/ plant.

AS-i can be used in any machine / process having Sensors (Push buttons, Limit switches, Proximity sensors) Actuators

(Valves, indicating lamps, contactors etc.) across diverse industries.

- Reduction in field wiring
- Less source for errors
- Faster diagnostics
- Increased uptime
- Increased productivity

# SIEMENS

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## SIMOCODE pro: Flexible, open and safe

The made-to-measure motor management system

- Motor protection, monitoring and control in a single system
- Fail-safe disconnection of motors
- Detailed operating, service and diagnostics data
- Open communication via PROFIBUS / PROFINET and OPC UA

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# SIMOCODE Pro

## Basic Unit

Description	Type
Pro S on Profibus with 110-240VAC/DC control	3UF7020-1AU01-0
Pro S on Profibus with 24VDC control	3UF7020-1AB01-0
Pro V on Profibus with 110-240VAC/DC control	3UF7010-1AU00-0
Pro V on Profibus with 24VDC control	3UF7010-1AB00-0
Pro C on Profibus with 110-240VAC/DC control	3UF7000-1AU00-0
Pro C on Profibus with 24VDC control	3UF7000-1AB00-0
Pro V PN on Profinet with 110-240VAC/DC control	3UF7011-1AU00-0
Pro V PN on Profinet with 24VDC control	3UF7011-1AB00-0
Pro V on Modbus RTU with 110-240VAC/DC control	3UF7012-1AU00-0
Pro V on Modbus RTU with 24VDC control	3UF7012-1AB00-0
Pro V on EtherNet/IP with 24VDC control	3UF7013-1AB00-0
Pro V on EtherNet/IP with 110-24VAC/DC control	3UF7013-1AU00-0

## Current Measuring Module

Description	Type
0.3 to 3A	3UF7100-1AA00-0
2.4 to 25A	3UF7101-1AA00-0
10 to 100A	3UF7102-1AA00-0
20 to 200A	3UF7103-1AA00-0
20 to 200A (Busbar Connection)	3UF7103-1BA00-0
63 to 630A (Busbar Connection)	3UF7104-1BA00-0

## Current/Voltage Measuring Module (2nd generation)

Description	Type
0.3 to 4A	3UF7110-1AA01-0
3.0 to 40A	3UF7111-1AA01-0
10 to 115A	3UF7112-1AA01-0
20 to 200A	3UF7113-1AA01-0
20 to 200A (Busbar Connection)	3UF7113-1BA01-0
63 to 630A (Busbar Connection)	3UF7114-1BA01-0

Prices available on request

## Operator Panel (Optional)

Description	Type
Operator Panel (for Pro S)	3UF7200-1AA01-0
Operator Panel (for Pro C, Pro V)	3UF7200-1AA00-0
Operator Panel with Display (for Pro V)	3UF7210-1AA00-0

## Connecting Cable

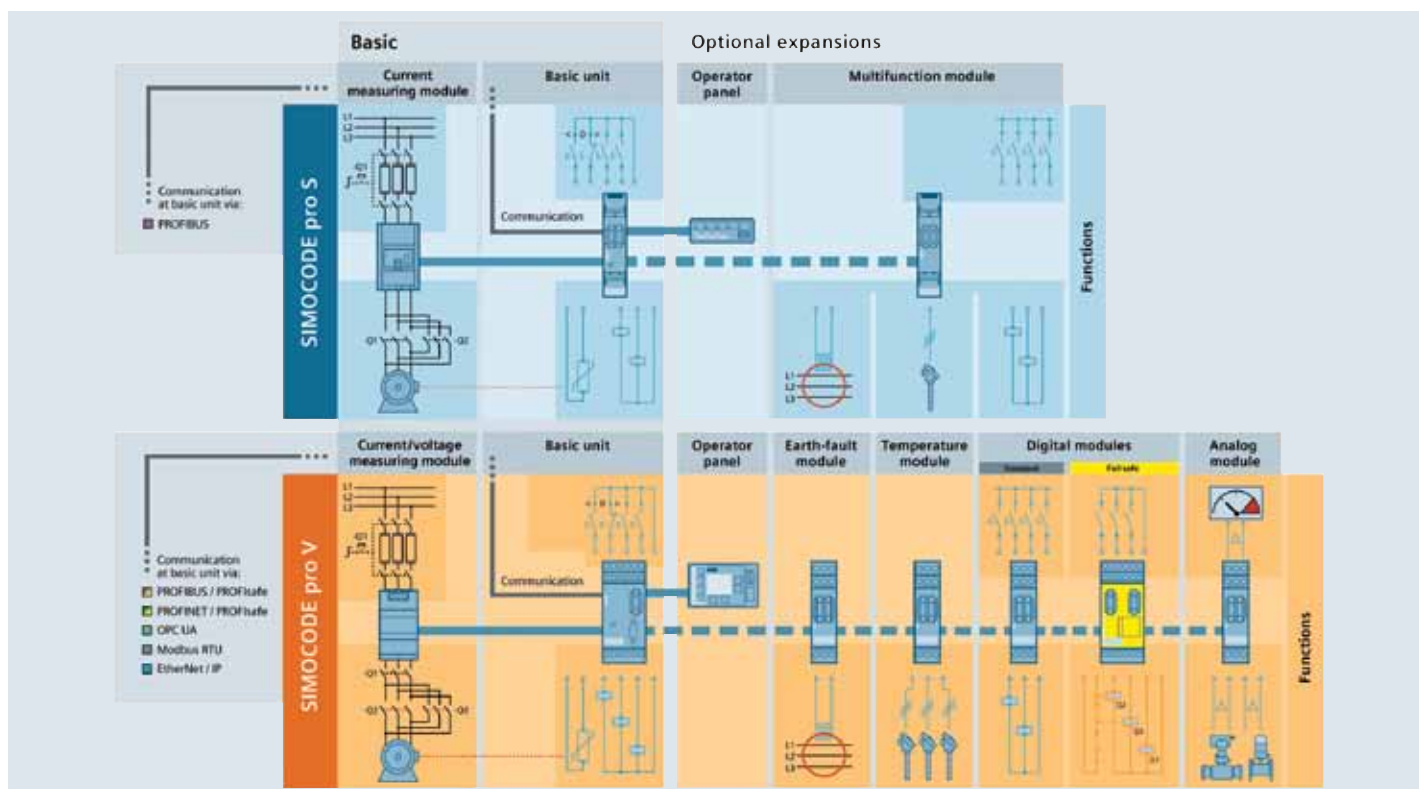
Description	Type
Side by Side (0.025m flat)	3UF7930-0AA00-0
Length 0.1m (flat)	3UF7931-0AA00-0
Length 0.3m (flat)	3UF7935-0AA00-0
Length 0.5m (flat)	3UF7932-0AA00-0
Length 0.5m (round)	3UF7932-0BA00-0
Length 1m (round)	3UF7937-0BA00-0
Length 2.5m (round)	3UF7933-0BA00-0

## Configuration Software

Description	Type
Upgrade for SIMOCODE ES 2007 Premium	3ZS1322-6CC12-0YE5
SIMOCODE ES V14 ( TIA Portal ) Premium Package – Floating license	3ZS1322-6CC12-0YA5

## Accessories

Description	Type
PC Cable for PC/PG communication - USB connection	3UF7941-0AA00-0
Memory Module for pro S, pro C & pro V on Profibus	3UF7900-0AA00-0
Memory Module for pro V PN on Profinet	3UF7901-0AA00-0
Addressing Plug for pro S, pro C & pro V on Profibus	3UF7910-0AA00-0
Door Adaptor	3UF7920-0AA00-0



# SIEMENS

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## SIRIUS 3SK1 Safety relays

[www.siemens.com/safety-relays](http://www.siemens.com/safety-relays)

With the SIRIUS 3SK1 safety relays every simple safety application can be optimally implemented, both technically and economically, whether it is EMERGENCY STOP, two-hand operation consoles, light arrays, laser scanners or protection of persons at presses and punching machines.

SIRIUS 3SK1 safety relays comply to the most stringent requirements of IEC 61508 or IEC 62061 (SIL 3) and EN ISO 13849-1 (PL e) and therefore the latest safety standards.

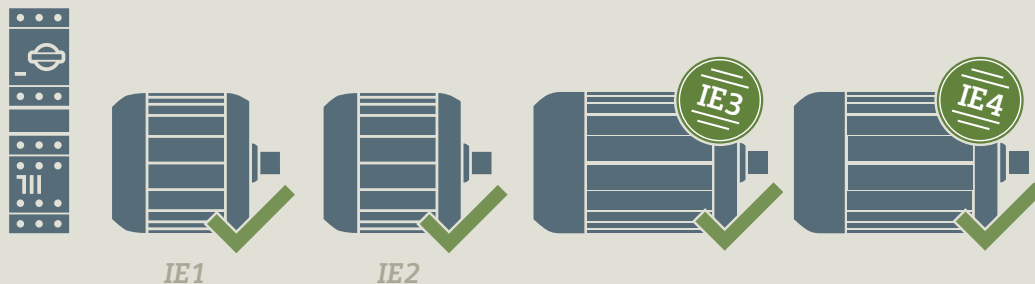
for more details visit us at: [siemens.com/safety-relays](http://siemens.com/safety-relays)

Relay enable circuit	Semiconductor enable circuit	Output Contacts				Rated control supply voltage	Unit LP ₹	MOQ
		EC	SC (signalling)	EC (td)	Adjustable Time Delay (td)			
<b>SIRIUS 3SK1 standard basic units</b>								
3SK1111-1AB30		3	1	--	--	24V AC/DC	16740.-	1
3SK1111-1AW20		3	1	--	--	110-240V AC/DC	16740.-	1
	3SK1112-1BB40	2	1	--	--	24V DC	15385.-	1
<b>SIRIUS 3SK1 advanced basic units</b>								
3SK1121-1CB41		2	--	2	0.05...3 Sec	24V DC	25650.-	1
3SK1121-1CB42		2	--	2	0.5...30 Sec	24V DC	25650.-	1
3SK1121-1CB44		2	--	2	5.0...300Sec	24V DC	25650.-	1
	3SK1122-1CB41	2	--	2	0.05...3 Sec	24V DC	15385.-	1
	3SK1122-1CB42	2	--	2	0.5...30 Sec	24V DC	15385.-	1
	3SK1122-1CB44	2	--	2	5.0...300Sec	24V DC	15385.-	1
<b>SIRIUS 3SK1 Output expansion module</b>								
3SK1211-1BB00		4	1			24V AC	15080.-	1
3SK1211-1BB40		4	1			24V DC	15080.-	1
3SK1211-1BW20		4	1			110-240V AC/DC	15080.-	1

Note: EC = enable Circuit(s), SC = signaling circuit(s), td = delayed



Reliable switching and protection of IE3/IE4 motors at any time



## Fuseless selection type 2, Iq = 50kA, IS/IEC:60947-4-1 (Motor starter protector 3RV2 + Contactor 3RT)

Suitable for IE3/IE4

- The selection is valid only for complete Siemens combinations i.e. MPCB + contactor + bi-relay (+timer)
  - In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/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.
  - Tested Type 2 combinations
  - Low LCC = Low life cycle cost
- # 3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

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

SL Motor		Circuit breaker®		Contactor		Bi-relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps (Guide value)	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp
0.37	1.1	3RV2011-0KA10	1.25	3RT2015	7	#	0.9 ... 1.1
0.55	1.5	3RV2011-1AA10	1.6	3RT2015	7	#	1.1 ... 1.4
0.75	1.9	3RV2011-1CA10	2.5	3RT2015	7	#	1.8 ... 2.2
1.1	2.7	3RV2011-1DA10	3.2	3RT2015	7	#	2.2 ... 2.8
1.5	3.6	3RV2011-1FA10	5	3RT2024	12	#	3.5 ... 4.5
2.2	5	3RV2011-1GA10	6.3	3RT2024	12	#	4.5 ... 5.5
3	6.5	3RV2011-1HA10	8	3RT2024	12	#	5.5 ... 7
4	8.5	3RV2011-1JA10	10	3RT2024	12	#	7 ... 9
5.5	11.5	3RV2011-1KA10	12.5	3RT2024	12	#	9 ... 10
7.5	15.5	3RV2021-4BA10	20	3RT2027	32	#	13 ... 16
11	22	3RV2021-4DA10	25	3RT2027	32	#	18 ... 23
15	29	3RV2021-4EA10	32	3RT2027	32	#	27 ... 30 *
18.5	35	3RV2031-4UA10	40	3RT2035	40	#	32 ... 35
22	41	3RV2031-4WA10	52	3RT2036	50	#	42 ... 49
30	55	3RV2031-4JA10	65	3RT2037	65	#	54 ... 62
37	66	3RV2031-4KA10	73	3RT2038	80	#	62 ... 70
45	80	3RV2031-4RA10	80	3RT2038	80	#	70 ... 77 **
45	80	3RV2041-4RA10	84	3RT2046	95	#	65 ... 84
55	97	3RV2042-4MA10	100	3RT2047	110	#	80 ... 100
55	97	3VA2216-5MN32-0AA0	160	3RT1054	115	#	63 ... 115
75	132	3VA2216-5MN32-0AA0	160	3RT1055	150	#	63 ... 140
90	160	3VA2220-5MN32-0AA0	200	3RT1056	185	#	80 ... 175
110	195	3VA2325-5MN32-0AA0	250	3RT1064	225	#	100 ... 225
132	230	3VA2440-5MN32-0AA0	400	3RT1065	265	#	160 ... 265
160	280	3VA2440-5MN32-0AA0	400	3RT1066	300	#	160 ... 300
200	350	3VA2450-5MN32-0AA0	500	3RT1075	400	#	200 ... 400
250	430	3VA2450-5MN32-0AA0	500	3RT1076	500	#	200 ... 440

\* Starting current up to 256A  
 \*\* Starting current up to 720A  
 \$ 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 MPCB respectively  
 @ Motor switching operations with circuit breaker 3VA are not allowed.  
 Alternative combinations with 3VA1 available, contact nearest sales office

For more motor feeder selection charts with various SIRIUS devices see configuration manual "Configuring SIRIUS Innovations – Selection Data for Fuseless and Fused Load Feeders", <https://support.industry.siemens.com/cs/ww/en/view/39714188>



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

Suitable for IE2 motors

- The selection is valid only for complete Siemens combinations i.e. MPCB / MCCB + contactor + bi-relay (+timer)
- In case this combination is changed to accommodate another brand/rating of MPCB/MCCB/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.
- Tested Type 2 combinations
- Low LCC = Low life cycle cost

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

SL motor		Circuit breaker <sup>§</sup>		Contactor		Bi-relay	
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amp	Type	Amp	Type	Amp	Type	Set-Range Amp
0.37	1.1	3RV2011-0KA10	1.25	3RT2015	7	#	0.9 ... 1.25
0.55	1.5	3RV2011-1AA10	1.6	3RT2015	7	#	1.1 ... 1.6
0.75	1.9	3RV2011-1BA10	2	3RT2015	7	#	1.4 ... 2
1.1	2.7	3RV2011-1DA10	3.2	3RT2015	7	#	2.2 ... 3.2
1.5	3.6	3RV2011-1EA10	4	3RT2015	7	#	2.8 ... 4
2.2	5	3RV2011-1GA10	6.3	3RT2024	12	#	4.5 ... 6.3
3	6.5	3RV2011-1HA10	8	3RT2024	12	#	5.5 ... 8
4	8.5	3RV2011-1JA10	10	3RT2024	12	#	7.....10
5.5	11.5	3RV2011-1KA10	12.5	3RT2024	12	#	9 ... 12.5
7.5	15.5	3RV2011-4AA10	16	3RT2026	25	#	11.....16
11	22	3RV2021-4DA10	25	3RT2027	32	#	20 ... 25
15	29	3RV2021-4EA10	32	3RT2027	32	#	27 ... 32
18.5	34	3RV2031-4UA10	40	3RT2035	40	#	32 ... 40
22	40	3RV2031-4VA10	45	3RT2036	50	#	35 ... 45
30	53	3RV2031-4JA10	65	3RT2037	65	#	54 ... 65
37	65	3RV2031-4KA10	73	3RT2038	80	#	62 ... 73
45	78	3RV2031-4RA10	80	3RT2038	80	#	70 ... 80
55	96	3RV1041-4MA10	100	3RT1054	115	#	80 ... 100
55	96	3VL2710-1DK36-0AA0	100	3RT1054	115	3RU2146-4MB0	80 ... 100
75	132	3VL2716-1DK36-0AA0	160	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3VL3725-1DK36-0AA0	250	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	195	3VL3725-1DK36-0AA0	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	230	3VL3725-1DK36-0AA0	250	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	280	3VL4731-1DK36-0AA0	315	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3VL5750-1DK36-0AA0	500	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3VL5750-1DK36-0AA0	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

§ 3RV11 / 3RV21 'relay function' motor protection circuit-breaker can also be used in place of 3RV10 / 3RV20 motor protection circuit-breaker respectively

# 3RV10 / 3RV20 comes with in-built overload protection, hence external bi-relay is eliminated

Suitable for IE2/IE3/IE4 Motors

## Star-Delta feeder, for Low LCC

SL motor			Circuit breaker <sup>§</sup>		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	Set-Range Amp	Type
5.5	11.5	6.5	3RV2321-4AC10	16	3RT2026	25	3RT2015	7	3RU2126-1HB0	5.5 - 8	3RP15
7.5	15.5	9.2	3RV2321-4BC10	20	3RT2026	25	3RT2015	7	3RU2126-1JB0	7-10	3RP15
11	22	12	3RV2321-4DC10	25	3RT2027	32	3RT2024	12	3RU2126-4AB0	11...16	3RP15
15	29	16.2	3RV2321-4EC10	32	3RT2027	32	3RT2024	12	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3RV2331-4UC10	40	3RT2035	40	3RT2027	32	3RU2136-4DB0	18 ... 25	3RP15
22	40	23.2	3RV2331-4VC10	45	3RT2036	50	3RT2027	32	3RU2136-4EB0	22 ... 32	3RP15
30	53	30.6	3RV2332-4JC10	65	3RT2037	65	3RT2035	40	3RU2136-4FB0	28 ... 40	3RP15
37	65	37.5	3RV2331-4KC10	73	3RT2038	80	3RT2035	40	3RU2136-4GB0	36 ... 45	3RP15
45	78	45	3RV2331-4RC10	80	3RT2038	80	3RT2035	40	3RU2136-4HB0	40 ... 50	3RP15
55	96	55.4	3RV2341-4MC10	100	3RT2047	110	3RT2035	40	3RU2146-4JB0	45 ... 63 **	3RP15
55	96	55.4	3RV2341-4MC10	100	3RT1054	115	3RT2037	65	3RU2146-4JB0	45 ... 63	3RP15
55	96	55.4	3VL2710-1DK36-0AA0	100	3RT1054	115	3RT2037	65	3RU2146-4JB0	45 ... 63	3RP15
75	131	75.6	3VL2716-1DK36-0AA0	160	3RT1055	150	3RT2037	65	3RU2146-4LB0	70 ... 90	3RP15
90	156	90.1	3VL3725-1DK36-0AA0	250	3RT1056	185	3RT2037	65	3RU2156-5BB10-8K	70 ... 100	3RP15
110	195	113	3VL3725-1DK36-0AA0	250	3RT1064	225	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	230	133	3VL3725-1DK36-0AA0	250	3RT1065	265	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	280	162	3VL4731-1DK36-0AA0	315	3RT1066	300	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	202	3VL5750-1DK36-0AA0	500	3RT1075	400	3RT1064	225	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	248	3VL5750-1DK36-0AA0	500	3RT1076	500	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

\*\* Starting current up to 780A



# 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	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-0KB0	0.9 ... 1.25
0.55	1.3	3KL811	20	3NA78040RC	4	3RT2015	7	3RU2116-1AB0	1.1 ... 1.6
0.75	1.9	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1BB0	1.4 ... 2
1.1	2.6	3KL811	20	3NA78010RC	6	3RT2015	7	3RU2116-1DB0	2.2 ... 3.2
1.5	3.7	3KL811	20	3NA78030RC	10	3RT2015	7	3RU2116-1EB0	2.8 ... 4
2.2	4.8	3KL811	20	3NA78050RC	16	3RT2015	7	3RU2116-1GB0	4.5 ... 6.3
3.7	7.8	3KL811	20	3NA78070RC	20	3RT2023	9	3RU2126-1JB0	7...10
5.5	11.2	3KL812	32	3NA78100RC	25	3RT2024	12	3RU2126-1KB0	9 ... 12.5
7.5	16	3KL812	32	3NA78120RC	32	3RT2025	17	3RU2126-4AB0	11 ... 16
11	20.8	3KL815	63	3NA78200RC	50	3RT2026	25	3RU2126-4DB0	20 ... 25
15	28	3KL815	63	3NA78220RC	63	3RT2027	32	3RU2126-4EB0	27 ... 32
18.5	34	3KL821	100	3NA78240RC	80	3RT2035	40	3RU2136-4FB0	28 ... 40
22	40	3KL821	100	3NA78240RC	80	3RT2036	50	3RU2136-4GB0	36 ... 45
30	53	3KL821	100	3NA78300RC	100	3RT2037	65	3RU2136-4QB0	47 ... 57
37	65	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4KB0	62 ... 73
45	78	3KL822	125	3NA78320RC	125	3RT2038	80	3RU2136-4RB0	70 ... 80
55	96	3KL823	160	3NA78360RC	160	3RT1054	115	3RU2146-4MB0	80 ... 100
75	132	3KL831	200	3NA71400RC	200	3RT1055	150	3RU2156-5DB10-8K	110 ... 160
90	160	3KL832	250	3NA71440RC	250	3RT1056	185	3RU2156-5EB10-8K	140 ... 200
110	195	3KL832	250	3NA71440RC	250	3RT1064	225	3RU2166-5FB10-8K	180 ... 250
132	230	3KL833	315	3NA72520RC	315	3RT1065	265	3RU2166-5FB10-8K	180 ... 250
160	280	3KL834	400	3NA72600RC	400	3RT1066	300	3RU2166-5GB10-8K	220 ... 320
200	350	3KL841	500	3NA33650RC	500	3RT1075	400	3RU2176-5HB10-8K	280 ... 400
250	430	3KL841	500	3NA33650RC	500	3RT1076	500	3RU2176-5JB10-8K	350 ... 500

## Star-Delta feeder, for Low LCC

SL Motor			SDF		HRC Fuses		Contactor Line/Delta		Contactor Star		Bi-Relay		Timer
kW 415V, 3ph, 50/60 Hz	I <sub>L</sub> Amps	I <sub>Ph</sub> Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Rating Amps	Type	Set-Range Amp	Type
4	7.8	4.5	3KL811	20	3NA78030RC	10	3RT2023	9	3RT2023	9	3RU2126-1FB0	3.5 ... 5	3RP15
5.5	11.2	6.5	3KL811	20	3NA78050RC	16	3RT2023	9	3RT2023	9	3RU2126-1HB0	5.5 ... 8	3RP15
7.5	16	9.2	3KL811	20	3NA78070RC	20	3RT2024	12	3RT2023	9	3RU2126-1JB0	7 ... 10	3RP15
11	20.8	12	3KL812	32	3NA78100RC	25	3RT2024	12	3RT2023	9	3RU2126-1KB0	9 ... 12.5	3RP15
15	28	16.2	3KL812	32	3NA78120RC	32	3RT2026	25	3RT2025	17	3RU2126-4BB0	14 ... 20	3RP15
18.5	34	19.7	3KL815	63	3NA78200RC	50	3RT2027	32	3RT2026	25	3RU2126-4CB0	17 ... 22	3RP15
22	40	23.2	3KL815	63	3NA78200RC	63	3RT2035	40	3RT2026	25	3RU2136-4DB0	18 ... 25	3RP15
30	53	30.6	3KL821	100	3NA78220RC	80	3RT2035	40	3RT2026	25	3RU2136-4EB0	22 ... 32	3RP15
37	65	37.5	3KL821	100	3NA78240RC	80	3RT2035	40	3RT2027	32	3RU2136-4FB0	28 ... 40	3RP15
45	78	45	3KL821	100	3NA78300RC	100	3RT2036	50	3RT2028	40	3RU2136-4HB0	40 ... 50	3RP15
55	96	55.4	3KL821	100	3NA78300RC	100	3RT2037	65	3RT2035	40	3RU2136-4JB0	54 ... 65	3RP15
75	131	75.6	3KL823	160	3NA78360RC	160	3RT2038	80	3RT2037	65	3RU2136-4RB0	70 ... 80	3RP15
90	156	90	3KL823	160	3NA78360RC	160	3RT2046	95	3RT2038	80	3RU2146-4LB0	70 ... 90	3RP15
110	195	113	3KL831	200	3NA71400RC	200	3RT1054	115	3RT1054	115	3RU2156-5CB10-8K	90 ... 125	3RP15
132	230	133	3KL832	250	3NA71440RC	250	3RT1055	150	3RT1054	115	3RU2156-5DB10-8K	110 ... 160	3RP15
160	280	162	3KL833	315	3NA72520RC	315	3RT1056	185	3RT1054	115	3RU2156-5EB10-8K	140 ... 200	3RP15
200	350	202	3KL834	400	3NA72600RC	400	3RT1064	225	3RT1056	185	3RU2166-5FB10-8K	180 ... 250	3RP15
250	430	248	3KL841	500	3NA33650RC	500	3RT1065	265	3RT1065	265	3RU2166-5GB10-8K	220 ... 320	3RP15

## Available till stocks last

### 4 pole contactors - (with 4NO main contacts)

with AC coils

Contactor size	Rated current I <sub>e</sub> (A) AC1, 415V	Auxiliary Contacts		Type <sup>2)*</sup>	Unit LP ₹	Std. pkg. (nos.)
		NO	NC			
2	60	-	-	3RT1336-1A..0	7250.-	1
3	90	-	-	3RT1343-1A..0	12020.-	1
	110	-	-	3RT1344-1A..0	13735.-	1
	140	-	-	3RT1346-1A..0	17720.-	1

### 4 Pole Power Contactors (with 2NO+2NC power contacts)

Size	AC-1 rating operational current I <sub>e</sub> upto 415V A	AC Coil <sup>2)</sup>			DC Coil <sup>5)</sup>		
		Type*	Unit LP ₹	Std. pkg. (nos.)	Type	Unit LP ₹	Std. pkg. (nos.)
S2	55	3RT1535-1A..0	9850.-	1	3RT1535-1B..0	12610.-	1

<sup>2)</sup> AC coil voltage - Please enter coil codes from table below

Code	B0	F0	P0
Coil voltage (V) (50Hz)	24	110	230

<sup>5)</sup> DC coil voltage

Code	B4	F4	M4
Coil voltage (V)	24	110	220

### Reversing contactor Assemblies - 3RA.3

Size	AC-3 operational current I <sub>e</sub> upto 415V	Motor rating at 415V, 50Hz	AC Coil				DC Coil			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz	Type	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub>	Type	Unit LP ₹	Std. pkg. (nos.)
S2	50	22	110	3RA1336-8XB30-1AG2	25885.-	1	24	3RA1336-8XB30-1BB4	36480.-	1
	50	22	2300	3RA1336-8XB30-1AL2						
S3	65	30	110	3RA1344-8XB30-1AG2	35280.-	1	24	3RA1344-8XB30-1BB4	41895.-	1
			230	3RA1344-8XB30-1AL2						
	80	37	110	3RA1345-8XB30-1AG2	42375.-	1	24	3RA1345-8XB30-1BB4	52715.-	1
			230	3RA1345-8XB30-1AL2						
S3	95	45	230	3RA1346-8XB30-1AL2	49240.-	1	24	3RA1346-8XB30-1BB4	60485.-	1

Reversing contactor assembly are also available as "ready to assemble kit" please refer page no. 23

### Star Delta Contactor Assemblies - 3RA.4

Screw terminals

Size	AC-3 operational current I <sub>e</sub> upto 415V	Motor rating at 415V, 50Hz	AC Coil				DC Coil			
			Rated control supply voltage U <sub>s</sub> at 50/60Hz <sup>1)</sup>	Type	Unit LP ₹	Std. pkg. (nos.)	Rated control supply voltage U <sub>s</sub>	Type	Unit LP ₹	Std. pkg. (nos.)
S2-S2-S0	50/65	22/30	230	3RA1434-8XC21-1AL2	22365.-	1	24	3RA1434-8XC21-1BB4	35220.-	1
S2-S2-S2	80	37	230	3RA1435-8XC21-1AL2	31345.-	1	24	3RA1435-8XC21-1BB4	41890.-	1
	86	45	230	3RA1436-8XC21-1AL2	36640.-	1	24	3RA1436-8XC21-1BB4	51250.-	1
S2-S3-S2	150	75	230	3RA1445-8XC21-1AL2	58130.-	1	24	3RA1445-8XC21-1BB4	72225.-	1

## Available till stocks last

## Spares for 3TK5 AC1 duty contactors

### Contact kits

Spare contact kit for	Type	Unit LP ₹	Std. pkg. (nos.)
3TK50 02-0A..	3TY7500-0KA	7700.-	1
3TK52 02-0A..	3TY7520-0KA	12430.-	1
3TK54 02-0A..	3TY7540-0KA	15690.-	1
3TK56 02-0A..	3TY7560-0KA	24150.-	1

## Thermistor motor protection relay

Type of Thermistor	Reset	Contacts	Control supply voltage	Type	Unit LP ₹	Std. pkg. (nos.)
PTC type A	Auto	1 CO	230V AC	3RN1000-1AM00	5045.-	1
			24V AC/DC	3RN1000-1AB00	5045.-	1
			110V AC	3RN1000-1AG00	5045.-	1

## Microprocessor based overload relay - 3RB20 and 3RB21

Size	Relay range A	3RB20 (Class 10)		3RB20 (Class 20)		3RB20 (Class Adj. 5 to 30)		Std. pkg. (nos.)
		Type*	Unit LP ₹	Type	Unit LP ₹	Type	Unit LP ₹	
S2	6 to 25A	3RB2036-1QW1#	4410.-	3RB2036-2QW1#	5495.-	3RB2133-4QW1#	8685.-	1
	6 to 25A	3RB2036-1QB0	4410.-	3RB2036-2QB0	5495.-	3RB2133-4QB0	8605.-	1
	12.5 to 50A	3RB2036-1UB0	6180.-	3RB2036-2UB0	7705.-	3RB2133-4UB0	9900.-	1
	13 to 50A	3RB2036-1UW1#	6180.-	3RB2036-2UW1#	7705.-	3RB2133-4UW1#	10495.-	1
S3	12.5 to 50	3RB2046-1UB0	7015.-	3RB2046-2UB0	8775.-	3RB2143-4UB0	12600.-	1
	25 to 100	3RB2046-1EB0	8665.-	3RB2046-2EB0	11380.-	3RB2143-4EB0	12600.-	1
	25 to 100	3RB2046-1EW1	9100.-	3RB2046-2EW1	11380.-	3RB2143-4EW1	12720.-	1

## Thermal Overload Relays - 3RU11 (S2, S3)

### Direct Mounting - Class 10

Size of relay / contactor	Relay range A	Type	Unit LP ₹	Std. pkg. (nos.)
S2	5.5 ... 8	3RU1136-1HB0	3475.-	1
	7 ... 10	3RU1136-1JB0	3475.-	1
	9 ... 12.5	3RU1136-1KB0	3475.-	1
	11 ... 16	3RU1136-4AB0	3475.-	1
	14 ... 20	3RU1136-4BB0	3475.-	1
	18 ... 25	3RU1136-4DB0	3475.-	1
	22 ... 32	3RU1136-4EB0	3475.-	1
	28 ... 40	3RU1136-4FB0	3475.-	1
	36 ... 45	3RU1136-4GB0	4165.-	1
S3	40 ... 50	3RU1136-4HB0	4165.-	1
	28 ... 40	3RU1146-4FB0	5400.-	1
	36 ... 50	3RU1146-4HB0	5400.-	1
	45 ... 63	3RU1146-4JB0	5735.-	1
	57 ... 75	3RU1146-4KB0	5735.-	1
	70 ... 90	3RU1146-4LB0	5980.-	1
	80 ... 100	3RU1146-4MB0	7825.-	1

## Accessory for independent mounting

For size of relay	Relay type	Type	Unit LP ₹	Std. pkg. (nos.)
S2	3RU1	3RU1936-3AA01	850.-	1
S3	3RU1	3RU1946-3AA01	1000.-	1
S00	3RB2	3RB2913-0AA1	505.-	1
S0	3RU1	3RB2923-0AA1	505.-	1

## Available till stocks last

### Motor protection circuit breakers - 3RV1 (S00, S0, S2)

#### MPCBs for motor and plant protection upto 100kA

MPCB overload range A	MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>		Std. pkg. (nos.)
	Type* Size S0	Unit LP ₹	Type* Size S0	Unit LP ₹	Type* Size S0	Unit LP ₹	
0.11...0.16	3RV1021-0AA10	5820.-	3RV1121-0AA10	7860.-	3RV1321-0AC10	5715.-	1
0.14 ... 0.2	3RV1021-0BA10	5820.-	3RV1121-0BA10	7860.-	3RV1321-0BC10	5715.-	1
0.18...0.25	3RV1021-0CA10	5820.-	3RV1121-0CA10	7860.-	3RV1321-0CC10	5715.-	1
0.22 ... 0.32	3RV1021-0DA10	5820.-	3RV1121-0DA10	7860.-	3RV1321-0DC10	5715.-	1
0.28...0.4	3RV1021-0EA10	5820.-	3RV1121-0EA10	7860.-	3RV1321-0EC10	5715.-	1
0.35 ... 0.5	3RV1021-0FA10	5820.-	3RV1121-0FA10	7860.-	3RV1321-0FC10	5715.-	1
0.45...0.63	3RV1021-0GA10	5820.-	3RV1121-0GA10	7860.-	3RV1321-0GC10	5715.-	1
0.55 ... 0.8	3RV1021-0HA10	5820.-	3RV1121-0HA10	7145.-	3RV1321-0HC10	5715.-	1
0.7...1	3RV1021-0JA10	5820.-	3RV1121-0JA10	7860.-	3RV1321-0JC10	5715.-	1
0.9 ... 1.25	3RV1021-0KA10	6395.-	3RV1121-0KA10	8230.-	3RV1321-0KC10	6060.-	1
1.1...1.6	3RV1021-1AA10	6395.-	3RV1121-1AA10	8230.-	3RV1321-1AC10	6060.-	1
1.4 ... 2	3RV1021-1BA10	6395.-	3RV1121-1BA10	8230.-	3RV1321-1BC10	6060.-	1
1.8...2.5	3RV1021-1CA10	6395.-	3RV1121-1CA10	8230.-	3RV1321-1CC10	6060.-	1
2.2 ... 3.2	3RV1021-1DA10	6395.-	3RV1121-1DA10	8230.-	3RV1321-1DC10	6060.-	1
2.8...4	3RV1021-1EA10	6395.-	3RV1121-1EA10	8230.-	3RV1321-1EC10	6060.-	1
3.5 ... 5	3RV1021-1FA10	6395.-	3RV1121-1FA10	8230.-	3RV1321-1FC10	6060.-	1
4.5 ... 6.3	3RV1021-1GA10	6395.-	3RV1121-1GA10	8230.-	3RV1321-1GC10	6060.-	1
5.5 ... 8	3RV1021-1HA10	7035.-	3RV1121-1HA10	8900.-	3RV1321-1HC10	6520.-	1
7 ... 10	3RV1021-1JA10	7035.-	3RV1121-1JA10	8900.-	3RV1321-1JC10	6520.-	1
9 ... 12	3RV1021-1KA10	7035.-	3RV1121-1KA10	8900.-	3RV1321-1KC10	6520.-	1
10 ... 16	3RV1021-4AA10	7035.-	3RV1121-4AA10	8900.-	3RV1321-4AC10	6520.-	1
14 ... 20	3RV1021-4BA10	7705.-	3RV1121-4BA10	9935.-	3RV1321-4BC10	7500.-	1
17 ... 22	3RV1021-4CA10	7705.-	3RV1121-4CA10	9935.-	3RV1321-4CC10	7500.-	1
20 ... 25	3RV1021-4DA10	7705.-	3RV1121-4DA10	9935.-	3RV1321-4DC10	7500.-	1

MPCB overload range A	MPCB with Standard release <sup>1)</sup>		MPCB with "relay function" <sup>2)</sup>		MPCB with "Mag only" Release <sup>3)</sup>		Std. pkg. (nos.)
	Type* Size S2	Unit LP ₹	Type* Size S2	Unit LP ₹	Type* Size S2	Unit LP ₹	
11 ... 16	3RV1031-4AA10	10750.-	3RV1131-4AA10	18300.-	3RV1331-4AC10	15220.-	1
14 ... 20	3RV1031-4BA10	10750.-	3RV1131-4BA10	18300.-	3RV1331-4BC10	15220.-	1
18 ... 25	3RV1031-4DA10	11550.-	3RV1131-4DA10	18300.-	3RV1331-4DC10	10650.-	1
22 ... 32	3RV1031-4EA10	11550.-	3RV1131-4EA10	18300.-	3RV1331-4EC10	10650.-	1
28 ... 40	3RV1031-4FA10	12720.-	3RV1131-4FA10	20165.-	3RV1331-4FC10	11850.-	1
36 ... 45	3RV1031-4GA10	15540.-	3RV1131-4GA10	21175.-	3RV1331-4GC10	14675.-	1
40 ... 50	3RV1031-4HA10	15540.-	3RV1131-4HA10	21175.-	3RV1331-4HC10	14675.-	1

- 1) MPCB trips on SC and also on OL
- 2) MPCB trips on SC and opens contactor on OL
- 3) MPCB trips on SC



## Continuously adding value to your application

## Available till stocks last

### DOL Starters-3TW

Starter in S.S. housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>1)</sup> (DOL)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
0.33	0.25	3TW4290-1A.64	0.63-1	2265.-	1
0.75	0.55	3TW4290-1A.66	1-1.6		1
1	0.75	■ 3TW4290-1A.68	1.6-2.5		1
1.5	1.1	3TW4290-1A.69	2-3.2		1
2	1.5	■ 3TW4290-1A.71	3.2-5		1
3	2.2	■ 3TW4290-1A.72	4-6.3		1
5	3.7	■ 3TW4290-1A.74	6.3-10		1
-	-	■ 3TW4290-1A.75	8-12.5		1
7.5	5.5	■ 3TW4290-1A.77	10-16		1
10	7.5	■ 3TW4290-1A.78	12.5-20		2960.-

1) Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

### Spares for Starters

Spares for 3TW42 starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Contacteur	■ 3TW0290-0A.51 <sup>1)</sup>	1290.-	1
Main contact kit - single pole	3TX0200-0YA1	165.-	1
Main contact kit - 3 pole	■ 3TX0200-0YA0	485.-	1
Coil	■ 3TX0203-0Y.6 <sup>1)</sup>	275.-	1
Moving contact carrier	3TX0200-0YD0	165.-	10
Arc chamber	■ 3TX0202-0YA0	60.-	10
Aux. fixed contacts	3TX0200-1YB0	20.-	10
Aux. moving contacts	3TX0200-1YC0	20.-	10
Birelay	3UW5002.. <sup>5</sup>	upon request	1
'On' actuator for 3TW42	■ 3TX0204-1YA0	135.-	1
'Off' actuator for 3TW42	■ 3TX0204-1YB0	135.-	1
On/Off contact	■ 3SX1551-1YA	230.-	1

<sup>5</sup> Enter code for relay range

& Refer to the valid LV Power distribution products LP

<sup>^</sup> For details please contact nearest sales office

<sup>1)</sup> Enter code for coil voltage, 50Hz (B for 200-400V, W for 415V)

### Star-Delta starters-3TE

Automatic starter in S.S.housing, incl. birelay with SPP

Motor rating at 415V, 3ph, 50Hz		Type <sup>4)</sup> (ASD)	Relay range A	Unit MRP ₹	Std. pkg. (nos.)
HP	kW				
10	7.5	3TE0290-0AW74 <sup>5</sup>	6.3-10	10043.-	1
12.5	9.3	■ 3TE0290-0A.75	8-12.5	10538.-	1
15	11	■ 3TE0290-0A.77	10-16	10813.-	1
20	15	■ 3TE0290-0A.78	12.5-20	13140.-	1
25	18.5	■ 3TE0290-0A.79	16-25	14641.-	1

<sup>4)</sup> Enter code for coil voltage, 50Hz (D for 230-400V, W for 415V)

<sup>5</sup> Only coil voltage of 415V 50Hz available

Spares for 3TE02 starters

Description	Type	Unit MRP ₹	Std. pkg. (nos.)
Contacteur (1NO+1NC)	3TW0311-0A&51	2245.-	1
Contacteur (2NO)	3TW0320-0A&51	2245.-	1
Main contact kit three pole	3TX0300-0YA0	975.-	1
Main contact kit single pole	3TX0300-0YA1	375.-	1
Coil	3TX0303-0Y&6	375.-	1
Aux. fixed contacts (NO)	3TX0300-1YB0	80.-	10
Aux. fixed contacts (NC)	3TX0300-1YD0	80.-	10
Aux. moving contacts	3TX0300-1YC0	80.-	10
Birelay	3UW5002.. <sup>5</sup>	upon enquiry	1
Star-delta timer	3RP15761N#208K	2055.-	1

& Enter code for coil voltage, 50Hz (D for 230-400V, W for 415V)

<sup>#</sup> Enter control voltage code (M for 200-240V / 380-440V, P for 230-400V)

## Discontinued

Product	Type No.	
3RH21 Contactor Relays	3RH1140-1A..0	
	3RH1131-1A..0	
	3RH1122-1A..0	
	3RH1140-1B..0	
	3RH1131-1B..0	
	3RH1122-1B..0	
3RT101 S00 Power Contactor	3RT1015 - 3RT1018	
3RT102 S0 Power Contactor	3RT1023 - 3RT1026	
3RT103 S2 Power Contactor	3RT1034 - 3RT1036	
Auxiliary Contact Blocks (S00)	3RH1911-1FA20	
	3RH1911-1FA11	
	3RH1911-1FA02	
	3RH1911-1FA40	
	3RH1911-1FA31	
	3RH1911-1FA22	
	3RH1911-1FC22	
	3RH1911-1FB22	
	3RH1911-1AA10	
	3RH1911-1AA01	
	3RA1 Load Feeders, Link modules	3RA1911-1AA00
		3RA1921-1DA00
		3RA1921-1AA00
3RA1921-1BA00		
3RA1922-1AA00		
Surge Suppressors 3RT1/3RH1 (S00)	3RT1916-1JJ00	
	3RT1916-1JK00	
	3RT1916-1JL00	
	3RT1916-1JP00	
	3RT1916-1CB00	
	3RT1916-1CC00	
	3RT1916-1CD00	
	3RT1916-1EH00	
	3RT1916-1LM00	
	3RT1916-1GA00	
7PVO Multifunction timer	7PVO722-1BV20	
Microprocessor based overload relay - 3RB20 and 3RB21 Size S00 & S0	3RB2016 / 3RT2026 / 3RB2113 / 3RB2123	
Thermal Overload Relays - 3RU11 (S00, S0)	3RU1116/3RU1126	

Product	Type No.	
3SE3 Open type limit switches	3SE3020-0A	
	3SE3020-1A	
	3SE3020-3A	
	3SE3023-0A	
	3SE3023-1A	
	3SE3023-2A	
	3SE3023-3A	
	3SE3 Limit switches with 2 contacts -56mm Aluminium die cast enclosure	3SE3100-0B
		3SE3100-1B
3SE3100-3B		
3SE3100-0E		
3SE3100-1E		
3SE3100-3E		
3SE3100-0F		
3SE3100-1F		
3SE3100-3F		
3SE3100-0G		
3SE3100-1G		
3SE3100-3G		
3SE3100-0C		
3SE3100-1C		
3SE3100-3C		
3SE3100-0D		
3SE3100-1D		
3SE3100-3D		
3SE3100-0U		
3SE3100-1U		
3SE3100-3U		
3SE3 Limit switches with 2 contacts -40mm Aluminium die cast enclosure	3SE3120-0B	
	3SE3120-1B	
	3SE3120-0E	
	3SE3120-1E	
	3SE3120-0F	
	3SE3120-1F	
	3SE3120-0G	
	3SE3120-1G	
	3SE3120-0C	
	3SE3120-1C	
	3SE3120-0D	
	3SE3120-1D	
3SE3 Limit switches with 3/4 contacts -56mm Aluminium die cast enclosure	3SE3303-0B	
	3SE3303-1B	
	3SE3404-0B	
	3SE3404-1B	
	3SE3303-0E	
	3SE3303-1E	
	3SE3404-0E	
	3SE3404-1E	
	3SE3303-0F	
	3SE3303-1F	
	3SE3404-0F	
	3SE3404-1F	

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- Patented ventilation technique
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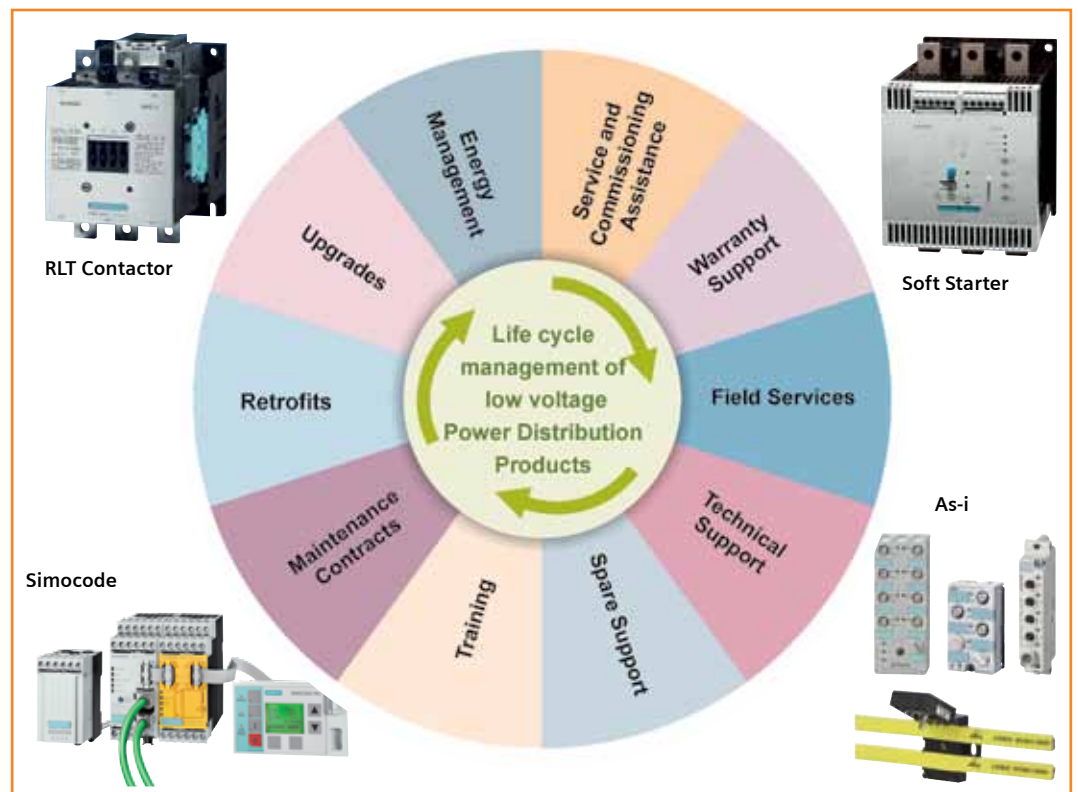


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- This supercedes all previous Price Lists.
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SIMATIC S7-1500 with STEP7 V13	AS-TIA1500	5
SIMATIC S7-300 Basic with STEP7 V5.5	AS-ST300	8
SIMATIC S7-400 Basic with STEP7 V5.5	AS-ST400	8
SIMATIC S7-300/400 Advance with STEP7 V5.5	AS-ST300/400	6
Networking on Profibus/Profinet with STEP7 V5.5	AS-STNET	5
SIMATIC WinCC Basic V7	AS-STWINCCB	5
SIMATIC WinCC Advance V7	AS-STWINCCA	3
DCS: SIMATIC PCS 7 Basic	AS-STPCS7B	10
DCS: SIMATIC PCS 7 Advance	AS-STPCS7A	10
DCS: SIMATIC PCS 7 SERV(Troubleshooting/Maint)	AS-STPCS7S	5
SIMATIC Industrial Identification	SC-IDENT	3
SIMATIC Industrial Communication	SC-IWLAN	2
SIMATIC Distributed (Machine Safety) course	AS-STSAFM	3
SIMATIC Fail-safe (Process Safety) course	AS-STSAFP	3
<b>Training Program on Drive Products</b>		
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Basic Drive with MM4 Maintenance	DR-MM4	5
SIMOVERT Masterdrive Vector control	DR-MDVC	6
SIMOREG 6RA70	DR-DC70	6
SINAMICS DCM 6RA80	DR-DCM	6
SINAMICS V90	DR-V90	3

Title	Course Code	Days
SINAMICS V20	DR-V20	3
SINAMICS G120	DR-G120	5
SINAMICS G130/G150	DR-G130	6
SINAMICS S120	DR-S120	6
SIMOTION System & Programming	DR-SIMO	8
SINAMICS Perfect Harmony GH180	DR-GH180	5
Sinamics G120 With TIA Portal	DR-G12TIA	4
Sinamics S120 Advance-1 (BP & DCC)	DR-S12ADV1	4
Sinamics S120 Advance-2 (communication)	DR-S12ADV2	3
Sinamics S120 Drives Safty Functions	DR-S12SAF	3
<b>Training Program on LV Switchgear Products</b>		
LV Switchgear Products & Maintenance	LV-SGPM	5
LV Power Distribution Systems	LV-PD	2
SIMOCODE AC-Motor control	LV-SM	2
Basic Automation for Switchgear User	LV-BAS	3
AC Motor Basics Control & Maintenance	LV-IM	3
SIRIUS Soft Starter	LV-SS	2
Sentron PAC Meter	LV-PAC	2
Sentron Power Manager	LV-SPM	2
<b>Training Program on Process Instrumentation and Mechatronics</b>		
Basic Course on Process Instrumentation	PIA100	4
Basic Course on Mechatronics (Siemens-Berlin Certification)	SMSCP-L1	30
Basic Course on Mechatronics (Siemens-India Certification)	CU-MEX	12

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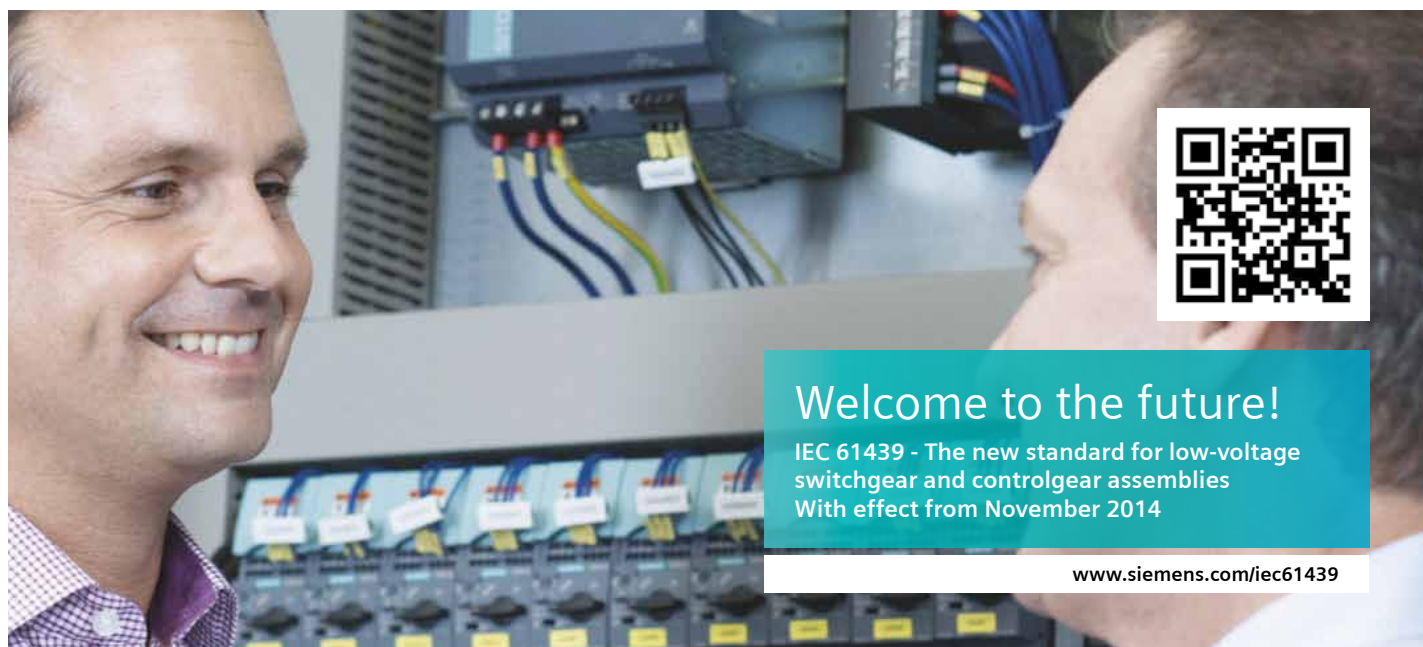
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