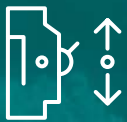


SIEMENS

SIEMENS PRODUCTS FOR INDUSTRY



SENTRON
PROTECTION
DEVICES



SIRIUS
INDUSTRIAL
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SIMATIC
INDUSTRIAL
AUTOMATION



SINAMICS
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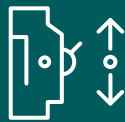


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SIEMENS

LOW VOLTAGE ELECTRICAL PRODUCTS (SENTRON)



MINIATURE CIRCUIT BREAKERS - 5SL C CURVE

Suitable for use in load centres



RATED CURRENT	PART NUMBER	
	SINGLE POLE, 6KA	SINGLE POLE, 10KA
1A	5SL6101-7CC	5SL4101-7CC
2A	5SL6102-7CC	5SL4102-7CC
4A	5SL6104-7CC	5SL4104-7CC
6A	5SL6106-7CC	5SL4106-7CC
10A	5SL6110-7CC	5SL4110-7CC
16A	5SL6116-7CC	5SL4116-7CC
20A	5SL6120-7CC	5SL4120-7CC
25A	5SL6125-7CC	5SL4125-7CC
32A	5SL6132-7CC	5SL4132-7CC
40A	5SL6140-7CC	5SL4140-7CC
50A	5SL6150-7CC	5SL4150-7CC
63A	5SL6163-7CC	5SL4163-7CC



RATED CURRENT	PART NUMBER	
	DOUBLE POLE, 6KA	DOUBLE POLE, 10KA
1A	5SL6201-7CC	5SL4201-7CC
2A	5SL6202-7CC	5SL4202-7CC
4A	5SL6204-7CC	5SL4204-7CC
6A	5SL6206-7CC	5SL4206-7CC
10A	5SL6210-7CC	5SL4210-7CC
16A	5SL6216-7CC	5SL4216-7CC
20A	5SL6220-7CC	5SL4220-7CC
25A	5SL6225-7CC	5SL4225-7CC
32A	5SL6232-7CC	5SL4232-7CC
40A	5SL6240-7CC	5SL4240-7CC
50A	5SL6250-7CC	5SL4250-7CC
63A	5SL6263-7CC	5SL4263-7CC



RATED CURRENT	PART NUMBER	
	TRIPLE POLE, 6KA	TRIPLE POLE, 10KA
1A	5SL6301-7CC	5SL4301-7CC
2A	5SL6302-7CC	5SL4302-7CC
4A	5SL6304-7CC	5SL4304-7CC
6A	5SL6306-7CC	5SL4306-7CC
10A	5SL6310-7CC	5SL4310-7CC
16A	5SL6316-7CC	5SL4316-7CC
20A	5SL6320-7CC	5SL4320-7CC
25A	5SL6325-7CC	5SL4325-7CC
32A	5SL6332-7CC	5SL4332-7CC
40A	5SL6340-7CC	5SL4340-7CC
50A	5SL6350-7CC	5SL4350-7CC
63A	5SL6363-7CC	5SL4363-7CC

MINIATURE CIRCUIT BREAKERS - 5SY C CURVE

Suitable for use on chassis



RATED CURRENT	PART NUMBER	
	SINGLE POLE, 6KA	SINGLE POLE, 10KA
1A	5SY6101-7CC	5SY4101-7CC
2A	5SY6102-7CC	5SY4102-7CC
4A	5SY6104-7CC	5SY4104-7CC
6A	5SY6106-7CC	5SY4106-7CC
10A	5SY6110-7CC	5SY4110-7CC
16A	5SY6116-7CC	5SY4116-7CC
20A	5SY6120-7CC	5SY4120-7CC
25A	5SY6125-7CC	5SY4125-7CC
32A	5SY6132-7CC	5SY4132-7CC
40A	5SY6140-7CC	5SY4140-7CC
50A	5SY6150-7CC	5SY4150-7CC
63A	5SY6163-7CC	5SY4163-7CC

RATED CURRENT	27MM PITCH (HYBRID CHASSIS)	
80A		5SP4180-7
100A		5SP4191-7
125A		5SP4192-7



RATED CURRENT	PART NUMBER	
	DOUBLE POLE, 6KA	DOUBLE POLE, 10KA
1A	5SY6201-7CC	5SY4201-7CC
2A	5SY6202-7CC	5SY4202-7CC
4A	5SY6204-7CC	5SY4204-7CC
6A	5SY6206-7CC	5SY4206-7CC
10A	5SY6210-7CC	5SY4210-7CC
16A	5SY6216-7CC	5SY4216-7CC
20A	5SY6220-7CC	5SY4220-7CC
25A	5SY6225-7CC	5SY4225-7CC
32A	5SY6232-7CC	5SY4232-7CC
40A	5SY6240-7CC	5SY4240-7CC
50A	5SY6250-7CC	5SY4250-7CC
63A	5SY6263-7CC	5SY4263-7CC



RATED CURRENT	PART NUMBER	
	TRIPLE POLE, 6KA	TRIPLE POLE, 10KA
1A	5SY6301-7CC	5SY4301-7CC
2A	5SY6302-7CC	5SY4302-7CC
4A	5SY6304-7CC	5SY4304-7CC
6A	5SY6306-7CC	5SY4306-7CC
10A	5SY6310-7CC	5SY4310-7CC
16A	5SY6316-7CC	5SY4316-7CC
20A	5SY6320-7CC	5SY4320-7CC
25A	5SY6325-7CC	5SY4325-7CC
32A	5SY6332-7CC	5SY4332-7CC
40A	5SY6340-7CC	5SY4340-7CC
50A	5SY6350-7CC	5SY4350-7CC
63A	5SY6363-7CC	5SY4363-7CC
80A	-	5SY4380-7CC*



RATED CURRENT	27MM PITCH	
80A		5SP4380-7
100A		5SP4391-7
125A		5SP4392-7

* Not suitable for use on chassis

MINIATURE CIRCUIT BREAKERS - 5SY D CURVE

Suitable for use on chassis



RATED CURRENT	PART NUMBER
SINGLE POLE, 10KA	
4A	5SY4104-8CC
6A	5SY4106-8CC
10A	5SY4110-8CC
16A	5SY4116-8CC
20A	5SY4120-8CC
25A	5SY4125-8CC
32A	5SY4132-8CC
40A	5SY4140-8CC
50A	5SY4150-8CC
63A	5SY4163-8CC



TRIPLE POLE, 10KA	
4A	5SY4304-8CC
6A	5SY4306-8CC
10A	5SY4310-8CC
16A	5SY4316-8CC
20A	5SY4320-8CC
25A	5SY4325-8CC
32A	5SY4332-8CC
40A	5SY4340-8CC
50A	5SY4350-8CC
63A	5SY4363-8CC

MINIATURE CIRCUIT BREAKERS - 5SY5 (220 VDC PER POLE)



SINGLE POLE, 10KA	
2A	5SY5102-7CC
4A	5SY5104-7CC
6A	5SY5106-7CC
10A	5SY5110-7CC
16A	5SY5116-7CC
20A	5SY5120-7CC
25A	5SY5125-7CC
32A	5SY5132-7CC
40A	5SY5140-7CC
50A	5SY5150-7CC
63A	5SY5163-7CC



TWO POLE, 10KA	
2A	5SY5202-7CC
4A	5SY5204-7CC
6A	5SY5206-7CC
10A	5SY5210-7CC
16A	5SY5216-7CC
20A	5SY5220-7CC
25A	5SY5225-7CC
32A	5SY5232-7CC
40A	5SY5240-7CC
50A	5SY5250-7CC
63A	5SY5263-7CC

RCBOS & RCDS

Single Pole RCBO, 10kA Type A 30mA (long body suitable for Chassis Mount with 5SY MCB)



RATED CURRENT	PART NUMBER	DESCRIPTION
6A	5SU9304-7KK06	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
10A	5SU9304-7KK10	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
16A	5SU9304-7KK16	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
20A	5SU9304-7KK20	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
25A	5SU9304-7KK25	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
32A	5SU9304-7KK32	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail
40A	5SU9304-7KK40	RCBO, Single Phase, 1 Pole, 10kA, 600mm Tail

Single Pole RCBO, 6kA Type A 30mA (compact suitable for load center with switched neutral)



6A	5SV9316-7PK06	RCBO, Single Phase, 1 Pole, 6kA, 300mm Tail
10A	5SV9316-7PK10	RCBO, Single Phase, 1 Pole, 6kA, 300mm Tail
16A	5SV9316-7PK16	RCBO, Single Phase, 1 Pole, 6kA, 300mm Tail
20A	5SV9316-7PK20	RCBO, Single Phase, 1 Pole, 6kA, 300mm Tail
32A	5SV9316-7PK32	RCBO, Single Phase, 1 Pole, 6kA, 300mm Tail

Single Pole RCBO, 6kA Type A 30mA (compact suitable for load center with switched neutral)



6A	5SV9316-7NK06	RCBO, Single Phase, 1 Pole, 6kA
10A	5SV9316-7NK10	RCBO, Single Phase, 1 Pole, 6kA
16A	5SV9316-7NK16	RCBO, Single Phase, 1 Pole, 6kA
20A	5SV9316-7NK20	RCBO, Single Phase, 1 Pole, 6kA
25A	5SV9316-7NK25	RCBO, Single Phase, 1 Pole, 6kA
32A	5SV9316-7NK32	RCBO, Single Phase, 1 Pole, 6kA

Three Pole and Neutral RCBO



6 A	5SU3 0630 FN	C curve 06A 10kA 30mA Type A, Fixed N
10 A	5SU3 1030 FN	C curve 10A 10kA 30mA Type A, Fixed N
16 A	5SU3 1630 FN	C curve 16A 10kA 30mA Type A, Fixed N
20 A	5SU3 2030 FN	C curve 20A 10kA 30mA Type A, Fixed N
25 A	5SU3 2530 FN	C curve 25A 10kA 30mA Type A, Fixed N
32 A	5SU3 3230 FN	C curve 32A 10kA 30mA Type A, Fixed N
40 A	5SU3 4030 FN	C curve 40A 10kA 30mA Type A, Fixed N
50 A	5SU3 5030 FN	C curve 50A 10kA 30mA Type A, Fixed N
63 A	5SU3 6330 FN	C curve 63A 10kA 30mA Type A, Fixed N

Single Phase RCBO, 10kA Type A (2 modules wide DIN Rail Mount)



6A	5SU9354-7KK06	RCBO, Single Phase, 2 Pole
10A	5SU9354-7KK10	RCBO, Single Phase, 2 Pole
16A	5SU9354-7KK16	RCBO, Single Phase, 2 Pole
20A	5SU9354-7KK20	RCBO, Single Phase, 2 Pole
25A	5SU9354-7KK25	RCBO, Single Phase, 2 Pole
32A	5SU9354-7KK32	RCBO, Single Phase, 2 Pole
40A	5SU9354-7KK40	RCBO, Single Phase, 2 Pole

Note: These can not have auxiliaries mounted.

MCB & RCBO ACCESSORIES

Auxiliary contacts (for 5SL, 5SY & 5SV)



PART NUMBER	DESCRIPTION
5ST3010	1N/O +1 N/C
5ST3011	2N/O
5ST3012	2N/C
5ST3020	1N/O +1 N/C Fault Signal Contact

Shunt trip (for 5SY & 5SL4 only)

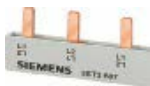


5ST3030	110-415V AC
5ST3031	24-60V AC/DC

Undervoltage trip (for 5SY & 5SL4 only)

5ST3043	230V AC
5ST3041	110V DC
5ST3042	24V DC

Bus Combs - 16mm²



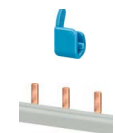
5ST3632	1 Phase, 12 Poles, Insulated 80A, 18mm Pitch
5ST3645	3 Phase, 12 Poles, Insulated 65A, 18mm Pitch
5ST3701	1 Phase, 57 Poles, Insulated 80A, 18mm Pitch, Can be cut to length
5ST3710	3 Phase, (19x3) Poles, Insulated 80A, 18mm Pitch, Can be cut to length
5ST3748	1 Phase end cap to suit 5ST3701
5ST3750	3 Phase end cap to suit 5ST3710
5ST3655	Bare connection cover for 5ST Busbar

Handle lock device



5ST3806	5SU9, 5TL, 5SV, 5SL & 5SY Handle locking device
LDCSIECB-M	Metal lock dog for 5SY MCB and 5SU 3P RCBO
LDCSIECB-R	Metal lock dog for 5SU9304-7KK RCBO

Busbar system for 5SV9316-7PK/NKxx Compact RCBO



5ST3762	Grey for phase connections, 10mm sq, Single Phase, 12 module, can be cut
5ST3763	Blue for neutral connections, 10mm sq, Single Phase, 12 module, can be cut
5ST3766	End caps for 5ST376 busbars Grey 1 set comprises a right and a left cap
5ST3767	End caps for 5ST376 busbars Blue 1 set comprises a right and a left cap

5SV RESIDUAL CURRENT DEVICES

RCD Type A 30mA (DIN Rail Mount)



RATED CURRENT	PART NUMBER	DESCRIPTION
5SV3312-6	25A	Type A 25A 1+N-Pole 30mA 230V 2 Modules Wide
5SV3314-6	40A	Type A 40A 1+N-Pole 30mA 230V 2 Modules Wide
5SV3316-6	63A	Type A 63A 1+N-Pole 30mA 230V 2 Modules Wide
5SV3344-6	40A	Type A 40A 3+N-Pole 30mA 400V 4 Modules Wide
5SV3347-6	80A	Type A 80A 3+N-Pole 30mA 400V 4 Modules Wide

RCD Type B 30mA (DIN Rail Mount)



5SV3322-4	25A	Type B 25A 1+N-Pole 30mA 230V 4 Modules Wide
5SV3324-4	40A	Type B 40A 1+N-Pole 30mA 230V 4 Modules Wide
5SV3326-4	63A	Type B 63A 1+N-Pole 30mA 230V 4 Modules Wide
5SV3342-4	25A	Type B 25A 4-Pole 30mA 400V 4 Modules Wide
5SV3344-4	40A	Type B 40A 4-Pole 30mA 400V 4 Modules Wide
5SV3346-4	63A	Type B 63A 4-Pole 30mA 400V 4 Modules Wide

5SV8 MODULAR RESIDUAL CURRENT DEVICES



PART NUMBER	DESCRIPTION
5SV8101-6KK	Type A, 230VAC Control, 0.03A - 3A, Instantaneous to 10 sec selectable, 1 alarm & 1 tripping relay contact, 3MW Wide
5SV8101-4KK	Type B, 230VAC Control, 0.03A - 1A, Zero to 10 sec, 1 alarm & 1 tripping relay contact, 0-2kHz, 2MW Wide
5SV8111-4KK	Type B, 24VDC Control, 0.03A - 1A, Zero to 10 sec, 1 alarm & 1 tripping relay contact, 0-2kHz, 2MW Wide

5SV8 MODULAR RESIDUAL CURRENT DEVICES - SUMMATION CT'S

Summation Current Transformers Type A



PART NUMBER	RATED CURRENT	MAXIMUM CURRENT	LOWEST RESIDUAL CURRENT	DESCRIPTION
5SV8702-0KK	80A	480A	30mA	Internal Diameter 35mm, Wall or DIN rail mount(DIN Holder required)
5SV8703-0KK	200A	1200A	30mA	Internal Diameter 70mm, Wall or DIN rail mount(DIN Holder required)
5SV8704-0KK	250A	1500A	100mA	Internal Diameter 105mm, Wall Mount
5SV8705-0KK	500A	3000A	300mA	Internal Diameter 140mm, Wall Mount
5SV8706-0KK	600A	3600A	300mA	Internal Diameter 210mm, Wall Mount

Summation Current Transformers Type B



PART NUMBER	RATED CURRENT	MAXIMUM CURRENT	LOWEST RESIDUAL CURRENT	DESCRIPTION
5SV8701-2KK	80A	500A	10mA	Internal Diameter 35mm, Standard
5SV8701-2KP	80A	500A	10mA	Internal Diameter 35mm, with Shield
5SV8702-2KK	160A	1000A	10mA	Internal Diameter 60mm, Standard
5SV8702-2KP	160A	1000A	10mA	Internal Diameter 60mm, with Shield
5SV8703-2KK	330A	2000A	100mA	Internal Diameter 120mm, Standard
5SV8704-2KK	630A	3800A	300mA	Internal Diameter 210mm, Standard

5SV8 MODULAR RESIDUAL CURRENT DEVICES - ACCESSORIES

Magnetic field centering sleeves for Type A CT's



5SV8902-1KK	Magnetic field centering sleeves, 35mm Internal Diameter
5SV8903-1KK	Magnetic field centering sleeves, 70mm Internal Diameter
5SV8904-1KK	Magnetic field centering sleeves, 105mm Internal Diameter
5SV8905-1KK	Magnetic field centering sleeves, 140mm Internal Diameter
5SV8906-1KK	Magnetic field centering sleeves, 210mm Internal Diameter



5SV8900-1KK	DIN Holder for DIN rail Suitable for Type A summation CT's with internal diameter of 20, 30, 35, 70 mm Cannot be used together with magnetic field centering sleeves
5SV8900-2KK	Holders for DIN rails suitable for 5SV8701-2KK & 5SV8701-2KP
5SV8900-3KK	Holders for DIN rails suitable for 5SV8702-2KK & 5SV8702-2KP

DISTRIBUTION BOARD ACCESSORIES

DIN contactors



PART NUMBER	DESCRIPTION
5TT5800-0	20A 2 Pole N/O DIN Contactor, 230VAC Coil, 1 Module Wide
5TT5000-2	20A 2 Pole N/O DIN Contactor, 24VAC/DC Coil, 1 Module Wide
5TT5802-0	20A 2 Pole N/C DIN Contactor, 230VAC Coil, 1 Module Wide
5TT5002-2	20A 2 Pole N/C DIN Contactor, 24VAC/DC Coil, 1 Module Wide
5TT5840-0	40A 4 Pole N/O DIN Contactor, 230VAC Coil, 3 Modules Wide
5TT5040-2	40A 4 Pole N/O DIN Contactor, 24VAC/DC Coil, 3 Modules Wide
5TT5843-0	40A 4 Pole N/C DIN Contactor, 230VAC Coil, 3 Modules Wide
5TT5043-2	40A 4 Pole N/C DIN Contactor, 24VAC/DC Coil, 3 Modules Wide

Emergency lighting test kit



DBEMLTk25	25A Test/Reset, Timer & 4 NC Contactor
DBEMLTk40	40A Test/Reset, Timer & 4 NC Contactor

Isolators



5TL1163-1	1 N/O, 63A, Red Handle
5TL1191-1	1 N/O, 100A, Red Handle
5TL1363-1	3 N/O, 63A, Red Handle
5TL1391-1	3 N/O, 100A, Red Handle
EVA32502XLS4XVS	Katko 3 Pole 250A Main Switch

Digital time switch

7LF4501-5	Weekly time switch, 1 channel, 230VAC, 1 NO, 1 Module Wide
-----------	--

CT Block



7KT1202	Current Transformer AC 3x150/5A, Depth=70Mm
---------	---

DISTRIBUTION BOARD - APS DB ESSENTIAL

High quality light-weight distribution board for high end commercial and medium duty industrial environments.



- | IP55 Protection Rating
- | Available in RAL 7035 Grey and Electrical Orange
- | 1.2mm Mild Steel
- | Encapsulated or Isolating MCB Chassis
- | 18-72 Pole
- | CAD Blocks Available
- | Industry standard quarter turn locks
- | Reversible White Escutcheon and Hinged Door
- | Isolating Main Switch or MCCB Option
- | In-feed Earth and Neutral Bars

MAIN SWITCH	MCB POLE CAPACITY	ENCLOSURE WIDTH AND DEPTH	ENCLOSURE HEIGHT	PART NUMBER
KATKO 250A Isolating Main Switch (Encapsulated Chassis)	18	600mm x 210mm	800mm	ESS18MG250EKT
	24			ESS24MG250EKT
	30			ESS30MG250EKT
	36		1000mm	ESS36MG250EKT
	42			ESS42MG250EKT
	48			ESS48MG250EKT
	60		1200mm	ESS60MG250EKT
	72			ESS72MG250EKT

Part Number Configuration Guide

The below table has been prepared as your guide to configuring the right part number for your individual enclosure requirements. As an example, we have used the part number: ESS18MG250EKT

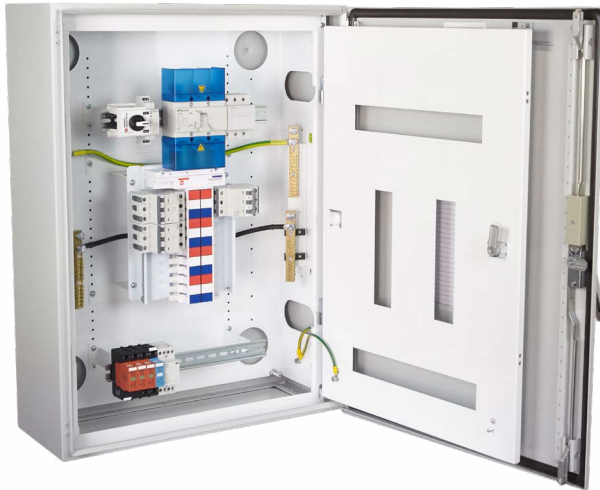
There are 3 inputs that you are able to substitute:

1. Replace "MG" with "MO" for Electrical Orange
2. Replace "E" with "I" for Isolating Chassis
3. Replace "K" with "CB" for MCCB Main Switch

ESS	18	MG	250	E	K	T
TYPE	NUMBER OF POLES	COLOUR	MAIN SWITCH A	CHASSIS TYPE	SWITCH TYPE	CHASSIS FEED
ESS - Essential	18 - 18 Poles	MG - RAL 7035 Grey	250 - 250 A	E - Encapsulated	K - KATKO	T - Top
	24 - 24 Poles	MO - Electric Orange	400 - 400 A	I - Isolating	CB - Siemens MCCB	B - Bottom
	30 - 30 Poles					U - Universal
	36 - 36 Poles					
	42 - 42 Poles					
	48 - 48 Poles					
	60 - 60 Poles					
	72 - 72 Poles					

DISTRIBUTION BOARD - APS DB ULTIMATE

The true industrial distribution board that will perform in arduous and heavy-duty environments..



- | IP66 Protection Rating
- | Available in RAL 7035 Grey and Electrical Orange
- | 1.5mm Mild Steel
- | Encapsulated or Isolating MCB Chassis
- | 18-96 Pole
- | CAD Blocks Available
- | Semi Flush Rittal Swing Handle
- | 3 Point Locking With Rod
- | Reversible White Escutcheon and Hinged Door
- | Isolating Main Switch or MCCB Option
- | In-feed Earth and Neutral Bars

MAIN SWITCH	MCB POLE CAPACITY	ENCLOSURE WIDTH AND DEPTH	ENCLOSURE HEIGHT	PART NUMBER
KATKO 250A Isolating Main Switch (Encapsulated Chassis)	18	600mm x 250mm	800mm	ULT18MG250EKT
	24			ULT24MG250EKT
	30			ULT30MG250EKT
	36		1000mm	ULT36MG250EKT
	42			ULT42MG250EKT
	48			ULT48MG250EKT
	60			ULT60MG250EKT
	72		1200mm	ULT72MG250EKT
	84			ULT84MG250EKT
	96			ULT96MG250EKT
			1500mm	

Part Number Configuration Guide

The below table has been prepared as your guide to configuring the right part number for your individual enclosure requirements. As an example, we have used the part number: ULT18MG250EKT

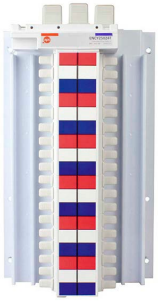
There are 3 inputs that you are able to substitute:

1. Replace "MG" with "MO" for Electrical Orange
2. Replace "E" with "I" for Isolating Chassis
3. Replace "K" with "CB" for MCCB Main Switch

ESS	18	MG	250	E	K	T
TYPE	NUMBER OF POLES	COLOUR	MAIN SWITCH A	CHASSIS TYPE	SWITCH TYPE	CHASSIS FEED
ULT - Ultimate	18 - 18 Poles	MG - RAL 7035 Grey	250 - 250 A	E - Encapsulated	K - KATKO	T - Top
	24 - 24 Poles	MO - Electric Orange	400 - 400 A	I - Isolating	CB - Siemens MCCB	B - Bottom
	30 - 30 Poles					U - Universal
	36 - 36 Poles					
	42 - 42 Poles					
	48 - 48 Poles					
	60 - 60 Poles					
	72 - 72 Poles					
	84 - 84 Poles					
	96 - 96 Poles					

MCB CHASSIS & ISOLATING CHASSIS FOR USE WITH 5SY MCBs

Encapsulated chassis - 250A MCB chassis (rated at 25kA for 0.1sec & 10kA for 1sec)



POLES	PART NUMBER	
	TOP FEED	UNIVERSAL FEED
12	ENCY25012T	ENCY25012U
18	ENCY25018T	ENCY25018U
24	ENCY25024T	ENCY25024U
30	ENCY25030T	ENCY25030U
36	ENCY25036T	ENCY25036U
42	ENCY25042T	ENCY25042U
48	ENCY25048T	ENCY25048U
60	ENCY25060T	ENCY25060U
72	ENCY25072T	ENCY25072U
84	ENCY25084T	ENCY25084U
96	ENCY25096T	ENCY25096U

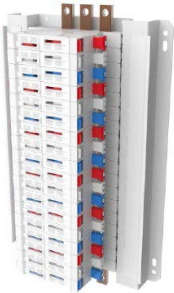
Note: 400 Amp Chassis available on request.

Note: Hybrid chassis available, combination 18 and 27mm pitch

Note: MCB Chassis are supplied without the phase stickers fitted.

A pack of stickers is included inside each chassis box, these can be applied to suit the application, Top or Bottom feed. Each pack includes one pole phase sticker, and two main ID labels.

Isolating chassis - 250A MCB chassis (rated at 30kA for 0.1sec)



POLES	PART NUMBER	
	TOP FEED	UNIVERSAL FEED
12	ISCY25012T	ISCY25012U
18	ISCY25018T	ISCY25018U
24	ISCY25024T	ISCY25024U
30	ISCY25030T	ISCY25030U
36	ISCY25036T	ISCY25036U
42	ISCY25042T	ISCY25042U
48	ISCY25048T	ISCY25048U
60	ISCY25060T	ISCY25060U
72	ISCY25072T	ISCY25072U
84	ISCY25084T	ISCY25084U
96	ISCY25096T	ISCY25096U

MOULDED CASE CIRCUIT BREAKERS TM 3VA1 SINGLE POLE

3VA1 MCCBs - TM120 fixed thermal & magnetic

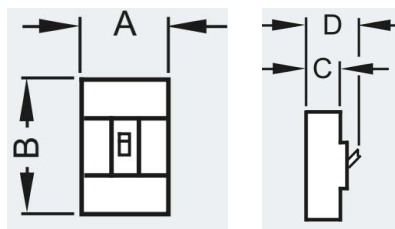
1P, 16A - 160A

Thermal Magnetic Trip unit (TM120) - Fixed Settings



	In (A) RATED	Ir (A) SETTING	Ii (A) SETTING	PART NUMBER
25kA at 240V Line protection TM120	16A	16A	302A	3VA1196-3ED12-0AA0
	20A	20A	320A	3VA1120-3ED12-0AA0
	25A	25A	320A	3VA1125-3ED12-0AA0
	32A	32A	320A	3VA1112-3ED12-0AA0
	40A	40A	400A	3VA1140-3ED12-0AA0
	50A	50A	500A	3VA1150-3ED12-0AA0
	63A	63A	630A	3VA1163-3ED12-0AA0
	80A	80A	800A	3VA1180-3ED12-0AA0
	100A	100A	1000A	3VA1110-3ED12-0AA0
	125A	125A	1250A	3VA1112-3ED12-0AA0
	160A	160A	1600A	3VA1116-3ED12-0AA0
36kA at 240V Line protection TM120	16A	16A	302A	3VA1196-4ED12-0AA0
	20A	20A	320A	3VA1120-4ED12-0AA0
	25A	25A	320A	3VA1125-4ED12-0AA0
	32A	32A	320A	3VA1112-4ED12-0AA0
	40A	40A	400A	3VA1140-4ED12-0AA0
	50A	50A	500A	3VA1150-4ED12-0AA0
	63A	63A	630A	3VA1163-4ED12-0AA0
	80A	80A	800A	3VA1180-4ED12-0AA0
	100A	100A	1000A	3VA1110-4ED12-0AA0
	125A	125A	1250A	3VA1112-4ED12-0AA0
	160A	160A	1600A	3VA1116-4ED12-0AA0
55kA at 240V Line protection TM120	16A	16A	302A	3VA1196-5ED12-0AA0
	20A	20A	320A	3VA1120-5ED12-0AA0
	25A	25A	320A	3VA1125-5ED12-0AA0
	32A	32A	320A	3VA1132-5ED12-0AA0
	40A	40A	400A	3VA1140-5ED12-0AA0
	50A	50A	500A	3VA1150-5ED12-0AA0
	63A	63A	630A	3VA1163-5ED12-0AA0
	80A	80A	800A	3VA1180-5ED12-0AA0
	100A	100A	1000A	3VA1110-5ED12-0AA0
	125A	125A	1250A	3VA1112-5ED12-0AA0
	160A	160A	1600A	3VA1116-5ED12-0AA0

A = 25.4mm
B = 130mm
C = 70mm
D = 88mm



MOULDED CASE CIRCUIT BREAKERS TM 3VA1 2 POLE

3VA1 MCCBs - TM120 fixed thermal & magnetic

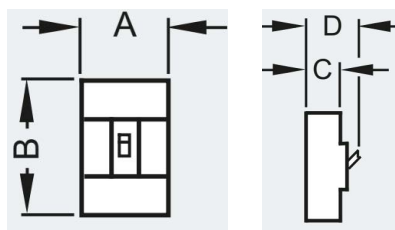
2P, 16A - 160A

Thermal Magnetic Trip unit (TM120) - Fixed Settings



	In (A) RATED	I _r (A) SETTING	I _i (A) SETTING	PART NUMBER
25kA at 240V Line protection TM120	16A	16A	302A	3VA1196-3ED22-0AA0
	20A	20A	320A	3VA1120-3ED22-0AA0
	25A	25A	320A	3VA1125-3ED22-0AA0
	32A	32A	320A	3VA1132-3ED22-0AA0
	40A	40A	400A	3VA1140-3ED22-0AA0
	50A	50A	500A	3VA1150-3ED22-0AA0
	63A	63A	630A	3VA1163-3ED22-0AA0
	80A	80A	800A	3VA1180-3ED22-0AA0
	100A	100A	1000A	3VA1110-3ED22-0AA0
	125A	125A	1250A	3VA1112-3ED22-0AA0
	160A	160A	1600A	3VA1116-3ED22-0AA0
36kA at 240V Line protection TM120	16A	16A	302A	3VA1196-4ED22-0AA0
	20A	20A	320A	3VA1120-4ED22-0AA0
	25A	25A	320A	3VA1125-4ED22-0AA0
	32A	32A	320A	3VA1132-4ED22-0AA0
	40A	40A	400A	3VA1140-4ED22-0AA0
	50A	50A	500A	3VA1150-4ED22-0AA0
	63A	63A	630A	3VA1163-4ED22-0AA0
	80A	80A	800A	3VA1180-4ED22-0AA0
	100A	100A	1000A	3VA1110-4ED22-0AA0
	125A	125A	1250A	3VA1112-4ED22-0AA0
	160A	160A	1600A	3VA1116-4ED22-0AA0
55kA at 240V Line protection TM120	16A	16A	302A	3VA1196-5ED22-0AA0
	20A	20A	320A	3VA1120-5ED22-0AA0
	25A	25A	320A	3VA1125-5ED22-0AA0
	32A	32A	320A	3VA1132-5ED22-0AA0
	40A	40A	400A	3VA1140-5ED22-0AA0
	50A	50A	500A	3VA1150-5ED22-0AA0
	63A	63A	630A	3VA1163-5ED22-0AA0
	80A	80A	800A	3VA1180-5ED22-0AA0
	100A	100A	1000A	3VA1110-5ED22-0AA0
	125A	125A	1250A	3VA1112-5ED22-0AA0
	160A	160A	1600A	3VA1116-5ED22-0AA0

A = 50.8mm
B = 130mm
C = 70mm
D = 88mm



MOULDED CASE CIRCUIT BREAKERS TM 3VA1 3 POLE 25 & 36KA

3VA1 MCCBs - TM220/240 (25kA at 415V)

3 Pole, 16A - 160A

TM220 (Line Protection) = Adjustable Thermal (Ir), Fixed Magnetic (Ii) - ATFM (LI)



	FRAME SIZE (FS)	In (A) RATED	Ir (A) SETTING	Ii (A) SETTING	PART NUMBER
25kA at 415V Line protection TM220	1	16A	11 - 16A	160-320A	3VA1196-3EE32-0AA0
		20A	14 - 20A	160-320A	3VA1120-3EE32-0AA0
		25A	18 - 25A	160-320A	3VA1125-3EE32-0AA0
		32A	22 - 32A	160-320A	3VA1132-3EE32-0AA0
		40A	28 - 40A	200-400A	3VA1140-3EE32-0AA0
		50A	35 - 50A	250-500A	3VA1150-3EE32-0AA0
		63A	44 - 63A	315-630A	3VA1163-3EE32-0AA0
		80A	56 - 80A	400-800A	3VA1180-3EE32-0AA0
		100A	70 - 100A	500-1000A	3VA1110-3EE32-0AA0

TM240 (Line Protection) = Adjustable Thermal (Ir), Adjustable Magnetic (Ii) - ATAM (LI)

25kA at 415V Line protection	1	125A	88 - 125A	625-1250A	3VA1112-3EF32-0AA0
		160A	112 - 160A	800-1600A	3VA1116-3EF32-0AA0

3VA1 MCCBs - TM220/240 (36kA at 415V)

3 Pole, 16A - 630A

TM220 (Line Protection) = Adjustable Thermal (Ir), Fixed Magnetic (Ii) - ATFM (LI)



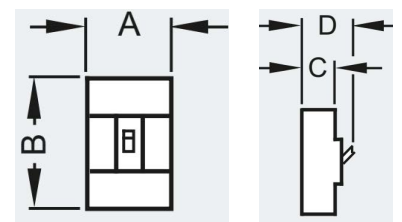
36kA at 415V Line protection TM220	1	16A	11 - 16A	320A	3VA1196-4EE32-0AA0
		20A	14 - 20A	320A	3VA1120-4EE32-0AA0
		25A	18 - 25A	320A	3VA1125-4EE32-0AA0
		32A	22 - 32A	320A	3VA1132-4EE32-0AA0
		40A	28 - 40A	400A	3VA1140-4EE32-0AA0
		50A	35 - 50A	500A	3VA1150-4EE32-0AA0
		63A	44 - 63A	630A	3VA1163-4EE32-0AA0
		80A	56 - 80A	800A	3VA1180-4EE32-0AA0
		100A	70 - 100A	1000A	3VA1110-4EE32-0AA0

TM240 (Line Protection) = Adjustable Thermal (Ir), Adjustable Magnetic (Ii) - ATAM (LI)



36kA at 415V Line protection TM240	1	125A	88 - 125A	625-1250A	3VA1112-4EF32-0AA0
		160A	112 - 160A	800-1600A	3VA1116-4EF32-0AA0
	2	160A	112 - 160A	800-1600A	3VA1216-4EF32-0AA0
		200A	140 - 200A	1000-2000A	3VA1220-4EF32-0AA0
		250A	175 - 250A	1250-2500A	3VA1225-4EF32-0AA0
	3	320A	220 - 320A	1600-3200A	3VA1332-4EF32-0AA0
		400A	280 - 400A	2000-4000A	3VA1340-4EF32-0AA0
		500A	350 - 500A	2500-5000A	3VA1450-4EF32-0AA0
		630A	440 - 630A	2520-5040A	3VA1463-4EF32-0AA0

3VA1 MCCBS DIMENSIONS					
Frame size (FS)	A (3P)	A (4P)	B	C	D
1	76.2	101.6	130	70	88
2	105	140	158	70	91
3	138	184	248	110	173



Note: All dimensions are in mm.

MOULDED CASE CIRCUIT BREAKERS TM 3VA1 3 POLE 55 & 70KA

3VA1 MCCBs - TM220/240 (55kA at 415V)

3 Pole, 16A - 1000A

TM220 (Line Protection) = Adjustable Thermal (Ir), Fixed Magnetic (Ii) - ATFM (LI)



	FRAME SIZE (FS)	In (A) RATED	Ir (A) SETTING	Ii (A) SETTING	PART NUMBER
55kA at 415V Line protection TM220	1	16A	11 - 16A	160-320A	3VA1196-5EE32-0AA0
		20A	14 - 20A	160-320A	3VA1120-5EE32-0AA0
		25A	18 - 25A	160-320A	3VA1125-5EE32-0AA0
		32A	22 - 32A	160-320A	3VA1132-5EE32-0AA0
		40A	28 - 40A	200-400A	3VA1140-5EE32-0AA0
		50A	35 - 50A	250-500A	3VA1150-5EE32-0AA0
		63A	44 - 63A	315-630A	3VA1163-5EE32-0AA0
		80A	56 - 80A	400-800A	3VA1180-5EE32-0AA0
		100A	70 - 100A	500-1000A	3VA1110-5EE32-0AA0

TM240 (Line Protection) = Adjustable Thermal (Ir), Adjustable Magnetic (Ii) - ATAM (LI)



55kA at 415V Line protection TM240	1	125A	88 - 125A	625-1250A	3VA1112-5EF32-0AA0
		160A	112 - 160A	800-1600A	3VA1116-5EF32-0AA0
	2	160A	112 - 160A	800-1600A	3VA1216-5EF32-0AA0
		200A	140 - 200A	1000-2000A	3VA1220-5EF32-0AA0
		250A	175 - 250A	1250-2500A	3VA1225-5EF32-0AA0
	3	320A	220 - 320A	1600-3200A	3VA1332-5EF32-0AA0
		400A	280 - 400A	2000-4000A	3VA1340-5EF32-0AA0
		500A	350 - 500A	2500-5000A	3VA1450-5EF32-0AA0
		630A	440 - 630A	2520-5040A	3VA1463-5EF32-0AA0
	4	800A	560-800A	5 to 10A x In	3VA1580-5EF32-0AA0
		1000A	700-1000A	5 to 10A x In	3VA1510-5EF32-0AA0

3VA1 MCCBs - TM240 (70kA at 415V)

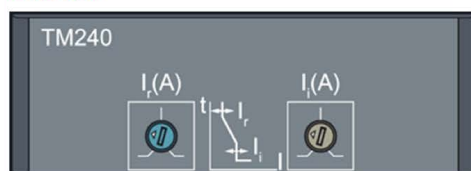
3 Pole, 16A - 1000A

TM240 (Line Protection) = Adjustable Thermal (Ir), Adjustable Magnetic (Ii) - ATAM (LI)

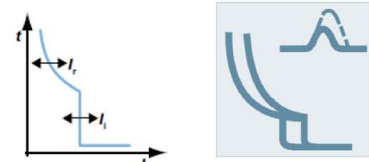


70kA at 415V Line protection TM240	1	16A	11 - 16A	160-320A	3VA1196-6EF32-0AA0	
		20A	14 - 20A	160-320A	3VA1120-6EF32-0AA0	
		25A	18 - 25A	160-320A	3VA1125-6EF32-0AA0	
		32A	22 - 32A	160-320A	3VA1132-6EF32-0AA0	
		40A	28 - 40A	200-400A	3VA1140-6EF32-0AA0	
		50A	35 - 50A	250-500A	3VA1150-6EF32-0AA0	
		63A	44 - 63A	315-630A	3VA1163-6EF32-0AA0	
		80A	56 - 80A	400-800A	3VA1180-6EF32-0AA0	
		100A	70 - 100A	500-1000A	3VA1110-6EF32-0AA0	
				125A	88 - 125A	625-1250A
	2	160A	112 - 160A	800-1600A	3VA1116-6EF32-0AA0	
		160A	112 - 160A	800-1600A	3VA1216-6EF32-0AA0	
		200A	140 - 200A	1000-2000A	3VA1220-6EF32-0AA0	
	3	250A	175 - 250A	1250-2500A	3VA1225-6EF32-0AA0	
		320A	220 - 320A	1600-3200A	3VA1332-6EF32-0AA0	
		400A	280 - 400A	2000-4000A	3VA1340-6EF32-0AA0	
		500A	350 - 500A	2500-5000A	3VA1450-6EF32-0AA0	
	4	630A	440 - 630A	2520-5040A	3VA1463-6EF32-0AA0	
		800A	560-800A	5 to 10A x In	3VA1580-6EF32-0AA0	
1000A		700-1000A	5 to 10A x In	3VA1510-6EF32-0AA0		

Front view



Characteristic curve



3VA1 MCCB ACCESSORIES

Auxiliary switches & alarm switches



PART NUMBER	TO SUIT	DESCRIPTION
3VA9988-0AA12	3VA1 - All	1 C/O Auxiliary Switch 1 Module (HQ)
3VA9988-0AA11	3VA1 - All	1 C/O Auxiliary Switch 2 Module (HP)
3VA9988-0AB12	3VA1 - All	1 C/O Trip Alarm Switch 1 Module (HQ)
3VA9988-0AB11	3VA1 - All	1 C/O Trip Alarm Switch 2 Module (HP)

Note: HP module can have two conductors per contact point for looping.

Shunt trips (left side)



3VA9988-0BL30	3VA1 - All	24V AC/DC
3VA9988-0BL32	3VA1 - All	110VAC
3VA9988-0BL33	3VA1 - All	240VAC

Undervoltage release (left side)

3VA9908-0BB11	3VA1 - All	24VDC
3VA9908-0BB25	3VA1 - All	220-230 VAC

Door mounted rotary operator standard IP65 with door interlock padlocking with 300mm shaft

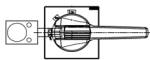


3VA9157-0FK21	3VA11 100 & 160A	Includes - Handle, 300mm shaft and coupler
3VA9257-0FK21	3VA12 250A	Includes - Handle, 300mm shaft and coupler
3VA9467-0FK21	3VA13 & 14 400 & 630A	Includes - Handle, 300mm shaft and coupler
3VA9687-0FK21	3VA15 800 & 1000A	Includes - Handle, 300mm shaft and coupler

Castell Interlocking Adaptors for 3VA1 Handles with no Tolerance Compensator

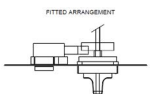
(no Keys or Locks supplied)

Handle Kit no Tolerance



3VA9157-0FK61	3VA11 100 & 160A	Includes - Handle, 300mm shaft and coupler
3VA9257-0FK61	3VA12 250A	Includes - Handle, 300mm shaft and coupler
3VA9467-0FK61	3VA13 & 14 400 & 630A	Includes - Handle, 300mm shaft and coupler
3VA9687-0FK61	3VA15 800 & 1000A	Includes - Handle, 300mm shaft and coupler

Interlock Components (to K-FSB-25.4-2**) ** = Key Code



3VA-ILC8	3VA11 to 3VA14	Includes - Spacer and Cam for 8mm shaft
3VA-IL12	3VA15 800 & 1000A	Includes - Spacer and Cam for 12mm shaft

Terminal covers (one set only)



3VA9111-0WD30	3VA11 100 & 160A	Flush 3 Pole Cover
3VA9211-0WD30	3VA12 250A	Flush 3 Pole Cover
3VA9481-0WD30	3VA13 & 14 400 & 630A	Flush 3 Pole Cover
3VA9601-0WD30	3VA15 800 & 1000A	Flush 3 Pole Cover
3VA9111-0WF30	3VA11 100 & 160A	Extended 3 Pole Cover
3VA9211-0WF30	3VA12 250A	Extended 3 Pole Cover
3VA9481-0WF30	3VA13 & 14 400 & 630A	Extended 3 Pole Cover
3VA9601-0WF30	3VA15 800 & 1000A	Extended 3 Pole Cover

Offset terminal covers (one set only)



3VA9111-0WG30	3VA11 100 & 160A	Extended 3 Pole Cover for offset extension bars
3VA9211-0WG30	3VA12 250A	Extended 3 Pole Cover for offset extension bars
3VA9401-0WG30	3VA13 & 14 400 & 630A	Extended 3 Pole Cover for offset extension bars

3VA1 MCCB ACCESSORIES

Extension bars - straight



PART NUMBER	TO SUIT	DESCRIPTION
3VA9153-0QB00	3VA11 100 & 160A	Three phase extension bar with two phase barriers
3VA9253-0QB00	3VA12 250A	Three phase extension bar with two phase barriers
3VA9483-0QB00	3VA13 & 14 400 & 630A	Three phase extension bar with two phase barriers
3VA9603-0QB00	3VA15 800 & 1000A	Three phase extension bar with two phase barriers

Extension bars - offset



3VA9153-0QC00	3VA11 100 & 160A	Three phase extension bar with two phase barriers
3VA9253-0QC00	3VA12 250A	Three phase extension bar with two phase barriers
3VA9483-0QC00	3VA13 & 14 400 & 630A	Three phase extension bar with two phase barriers
3VA9603-0QC00	3VA15 800 & 1000A	Three phase extension bar with two phase barriers

Tunnel terminals (contains 3 single terminals)



3VA9153-0JA11	3VA11 100 & 160A	Box Terminals upto 70mm ²
3VA9253-0JA11	3VA12 250A	Box Terminals upto 120mm ²
3VA9483-0JA13	3VA13 & 4 400 & 630A	Box Terminals upto 300mm ² *

*Only up to 400A

Padlock attachment (Not captive)



3VA9088-0LB10	3VA11 & 12	Locking device for toggle levers
3VA9388-0LB10	3VA13 & 14	Locking device for toggle levers
3VA9588-0LB10	3VA15	Locking device for toggle levers

RCD modules (type A)



3VA9114-0RS10	3VA11 100 & 160A	* RCD310 4 Pole Side Mount, 0.03 to 5A, No Time Delay
3VA9113-0RS20	3VA11 100 & 160A	*RCD510 3 Pole Side Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9213-0RS20	3VA12 250A	*RCD510 3 Pole Side Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9114-0RS20	3VA11 100 & 160A	*RCD510 4 Pole Side Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9214-0RS20	3VA12 250A	RCD510 4 Pole Side Mount, 0.03 to 5A, Time Delay up to 3sec

* Require tunnel terminals on the bottom connections

3VA9114-0RL10	3VA11 100 & 160A	RCD320 4 Pole Bottom Mount, 0.03 to 5A, No Time Delay
3VA9113-0RL20	3VA11 100 & 160A	RCD520 3 Pole Bottom Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9213-0RL20	3VA12 250A	RCD520 3 Pole Bottom Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9114-0RL20	3VA11 100 & 160A	RCD520 4 Pole Bottom Mount, 0.03 to 5A, Time Delay up to 3sec
3VA9214-0RL20	3VA12 250A	RCD520 4 Pole Bottom Mount, 0.03 to 5A, Time Delay up to 3sec

Motor operator without stored energy operator



3VA9117-0HB10	3VA11 100 & 160A	24 to 60VDC Side Mount (MO310)
3VA9117-0HB20	3VA11 100 & 160A	110 to 230VAC, 110 to 250VDC Side Mount (MO310)



3VA9157-0HA10	3VA11 100 & 160A	24 to 60VDC Front Mount (MO320)
3VA9257-0HA10	3VA12 250A	24 to 60VDC Front Mount (MO320)
3VA9467-0HA10	3VA13 & 4 400 & 630A	24 to 60VDC Front Mount (MO320)
3VA9157-0HA20	3VA11 100 & 160A	110 to 230VAC, 110 to 250VDC Front Mount (MO320)
3VA9257-0HA20	3VA12 250A	110 to 230VAC, 110 to 250VDC Front Mount (MO320)
3VA9467-0HA20	3VA13 & 4 400 & 630A	110 to 230VAC, 110 to 250VDC Front Mount (MO320)

MOULDED CASE CIRCUIT BREAKERS 3VA2 3 POLE ETU LI

3VA2 MCCBs - ETU320 LI

3 Pole, 25A - 1000A

Line protection - Electronic Trip unit (ETU320 LI)



	FRAME SIZE (FS)	In (A) RATED	I _r (A) SETTING	I _i (A) SETTING	PART NUMBER
55kA at 415V Line protection ETU320 LI	2A	25A	10 - 25A	38-300A	3VA2025-5HL32-0AA0
		40A	16 - 40A	60-480A	3VA2040-5HL32-0AA0
		63A	25 - 63A	95-756A	3VA2063-5HL32-0AA0
		100A	40 - 100A	150-1200A	3VA2010-5HL32-0AA0
		160A	63 - 160A	240-1600A	3VA2116-5HL32-0AA0
		250A	100 - 250A	375-2500A	3VA2225-5HL32-0AA0
	3	400A	160 - 400A	600-4000A	3VA2340-5HL32-0AA0
		630A	250 - 630A	945-5670A	3VA2463-5HL32-0AA0
	4	800A	320 - 800A	1200-9600A	3VA2580-5HL32-0AA0
		1000A	400 - 1000A	1500-10000A	3VA2510-5HL32-0AA0
1250A		500 - 1250A	750 - 12500A	3VA2612-5HL32-0AA0	
85kA at 415V Line protection ETU320 LI	2A	25A	10 - 25A	38-300A	3VA2025-6HL32-0AA0
		40A	16 - 40A	60-480A	3VA2040-6HL32-0AA0
		63A	25 - 63A	95-756A	3VA2063-6HL32-0AA0
		100A	40 - 100A	150-1200A	3VA2010-6HL32-0AA0
		160A	63 - 160A	240-1600A	3VA2116-6HL32-0AA0
		250A	100 - 250A	375-2500A	3VA2225-6HL32-0AA0
	3	400A	160 - 400A	600-4000A	3VA2340-6HL32-0AA0
		630A	250 - 630A	945-5670A	3VA2463-6HL32-0AA0
	4	800A	320 - 800A	1200-9600A	3VA2580-6HL32-0AA0
		1000A	400 - 1000A	1500-10000A	3VA2510-6HL32-0AA0
		1250A	500 - 1250A	750 - 12500A	3VA2612-6HL32-0AA0



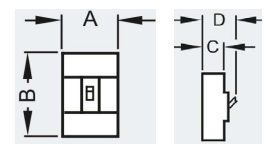
ETU320 LI = Electronic Trip Unit with LI protection functions for 3P 3VA2 MCCBs includes following:

Adjustable parameter settings I_r and t_r for overload protection (L)

Adjustable parameter setting I_i for instantaneous short-circuit protection (I)

3VA2 MCCBs Dimensions

FRAME SIZE (FS)	A (3P)	A (4P)	B	C	D
2A	105	140	181	83	107
3	138	184	248	110	173
4	210	280	320	117	253



Note: All dimensions are in mm.

MOULDED CASE CIRCUIT BREAKERS 3VA2 3 POLE ETU LSI

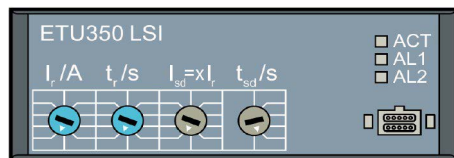
3VA2 MCCBs - ETU350 LSI

3 Pole, 25A - 1600A

Line protection - Electronic Trip unit (ETU350 LSI)



	FRAME SIZE (FS)	IN (A) RATED	ISD (A) SETTING	IR (A) SETTING	II (A) SETTING	PART NUMBER
55kA at 415V Line protection ETU350 LSI	2A	25A	1.5 to 10A x Ir	10 - 25A	300A	3VA2025-5HN32-0AA0
		40A	1.5 to 10A x Ir	16 - 40A	480A	3VA2040-5HN32-0AA0
		63A	1.5 to 10A x Ir	25 - 63A	756A	3VA2063-5HN32-0AA0
		100A	1.5 to 10A x Ir	40 - 100A	1200A	3VA2010-5HN32-0AA0
		160A	1.5 to 10A x Ir	63 - 160A	1600A	3VA2116-5HN32-0AA0
		250A	1.5 to 10A x Ir	100 - 250A	2500A	3VA2225-5HN32-0AA0
	3	400A	1.5 to 10A x Ir	160 - 400A	4000A	3VA2340-5HN32-0AA0
		630A	1.5 to 9A x Ir	250 - 630A	5670A	3VA2463-5HN32-0AA0
	4	800A	1.5 to 10A x Ir	320 - 800A	9600A	3VA2580-5HN32-0AA0
		1000A	1.5 to 10A x Ir	400 - 1000A	10000A	3VA2510-5HN32-0AA0
		1250A	1.5 to 10A x Ir	500 - 1250A	12500A	3VA2612-5HN32-0AA0
	5*	1250A	1.0 to 10A x In	500-1250A	1.5 to 15A x In	3VA2712-5AC03-0AA0
1600A		1.0 to 10A x In	640 - 1600A	1.5 to 15A x In	3VA2716-5AC03-0AA0	
85kA at 415V Line protection ETU350 LSI	2A	25A	1.5 to 10A x Ir	25 - 10A	300A	3VA2025-6HN32-0AA0
		40A	1.5 to 10A x Ir	16 - 40A	480A	3VA2040-6HN32-0AA0
		63A	1.5 to 10A x Ir	25 - 63A	756A	3VA2063-6HN32-0AA0
		100A	1.5 to 10A x Ir	40 - 100A	1200A	3VA2010-6HN32-0AA0
		160A	1.5 to 10A x Ir	63 - 160A	1600A	3VA2116-6HN32-0AA0
		250A	1.5 to 10A x Ir	100 - 250A	2500A	3VA2225-6HN32-0AA0
	3	400A	1.5 to 10A x Ir	160 - 400A	4000A	3VA2340-6HN32-0AA0
		630A	1.5 to 9A x Ir	250 - 630A	5670A	3VA2463-6HN32-0AA0
	4	800A	1.5 to 10A x Ir	320 - 800A	9600A	3VA2580-6HN32-0AA0
		1000A	1.5 to 10A x Ir	400 - 1000A	10000A	3VA2510-6HN32-0AA0
		1250A	1.5 to 10A x Ir	500 - 1250A	12500A	3VA2612-6HN32-0AA0
	5*	1250A	1.0 to 10A x In	500-1250A	1.5 to 15A x In	3VA2712-6AC03-0AA0
		1600A	1.0 to 10A x In	640 - 1600A	1.5 to 15A x In	3VA2716-6AC03-0AA0



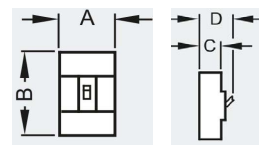
3VA20-25



3VA27

3VA2 MCCBs Dimensions

FRAME SIZE (FS)	A (3P)	A (4P)	B	C	D
2A	105	140	181	83	107
3	138	184	248	110	173
4	210	280	320	117	253
5	214		236	184	285.9



Note: All dimensions are in mm.

MOULDED CASE CIRCUIT BREAKERS 3VA2 3 POLE ETU LIG

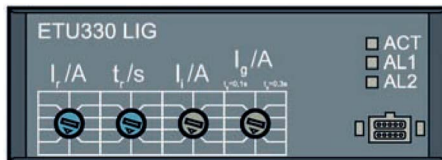
3VA2 MCCBs - ETU330 LIG

3 Pole, 25A - 1000A

Line protection with Ground Fault - Electronic Trip unit (ETU330 LIG) for Balanced Loads



	FRAME SIZE (FS)	In (A) RATED	Ir (A) SETTING	Ii (A) SETTING	Ig (A) SETTING	PART NUMBER
55kA at 415V Line protection ETU330 LIG	2A	25A	10 - 25A	38-300A	15-25A	3VA2025-5HM32-0AA0
		40A	16 - 40A	60-480A	16-40A	3VA2040-5HM32-0AA0
		63A	25 - 63A	95-756A	16-63A	3VA2063-5HM32-0AA0
		100A	40 - 100A	150-1200A	20-100A	3VA2010-5HM32-0AA0
		160A	63 - 160A	240-1600A	32-160A	3VA2116-5HM32-0AA0
		250A	100 - 250A	375-2500A	50-250A	3VA2225-5HM32-0AA0
	3	400A	160 - 400A	600-4000A	80-400A	3VA2340-5HM32-0AA0
		630A	250 - 630A	945-5670A	126-630A	3VA2463-5HM32-0AA0
4	800A	320 - 800A	1200-9600A	160-800A	3VA2580-5HM32-0AA0	
	1000A	400 - 1000A	1500-10000A	200-1000A	3VA2510-5HM32-0AA0	
85kA at 415V Line protection ETU330 LIG	2A	25A	25 - 10A	38-300A	15-25A	3VA2025-6HM32-0AA0
		40A	16 - 40A	60-480A	16-40A	3VA2040-6HM32-0AA0
		63A	25 - 63A	95-756A	16-63A	3VA2063-6HM32-0AA0
		100A	40 - 100A	150-1200A	20-100A	3VA2010-6HM32-0AA0
		160A	63 - 160A	240-1600A	32-160A	3VA2116-6HM32-0AA0
		250A	100 - 250A	375-2500A	50-250A	3VA2225-6HM32-0AA0
	3	400A	160 - 400A	600-4000A	80-400A	3VA2340-6HM32-0AA0
		630A	250 - 630A	945-5670A	126-630A	3VA2463-6HM32-0AA0
4	800A	320 - 800A	1200-9600A	160-800A	3VA2580-6HM32-0AA0	
	1000A	400 - 1000A	1500-10000A	200-1000A	3VA2510-6HM32-0AA0	

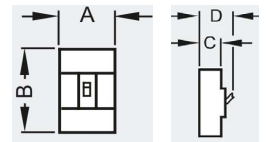


ETU330 LIG = Electronic Trip Unit with LIG protection functions for 3P 3VA2 MCCBs includes following:

- | Adjustable parameter settings Ir and tr for overload protection (L)
- | Adjustable parameter setting Ii for instantaneous short-circuit protection (I)
- | Adjustable parameter settings Ig and tg for ground-fault protection (G)

3VA2 MCCBs Dimensions

FRAME SIZE (FS)	A (3P)	A (4P)	B	C	D
2A	105	140	181	83	107
3	138	184	248	110	173
4	210	280	320	117	253



Note: All dimensions are in mm.

MOULDED CASE CIRCUIT BREAKERS 3VA2 3 POLE ETU LSI COMMUNICATIONS CAPABLE

3VA2 MCCBs - ETU550 LSI

3 Pole, 25A - 1000A

Line protection - Electronic Trip unit (ETU550 LSI)



	FRAME SIZE (FS)	In (A) RATED	Ir (A) SETTING	Li (A) SETTING	Ig (A) SETTING	PART NUMBER
55kA at 415V Line protection ETU550 LSI	2A	25	15-250	10 - 25	38-300	3VA2025-5JP32-0AA0
		40	24-400	16 - 40	60-480	3VA2040-5JP32-0AA0
		63	38-630	25 - 63	95-756	3VA2063-5JP32-0AA0
		100	60-1000	40 - 100	150-1200	3VA2010-5JP32-0AA0
		160	96-1600	63 - 160	240-1600	3VA2116-5JP32-0AA0
		250	150-2500	100 - 250	375-2500	3VA2225-5JP32-0AA0
	3	400	240-4000	160 - 400	600-4000	3VA2340-5JP32-0AA0
		630	378-5670	250 - 630	945-5670	3VA2463-5JP32-0AA0
	4	800	480-8000	320 - 800	1200-8000	3VA2580-5JP32-0AA0
		1000	600-10000	400 - 1000	1500-10000	3VA2510-5JP32-0AA0
5	1250	750-12500	500-1250	1875-12500	3VA2612-5JP32-0AA0	
85kA at 415V Line protection ETU550 LSI	2A	25	15-250	10 - 25	38-300	3VA2025-6JP32-0AA0
		40	24-400	16 - 40	60-480	3VA2040-6JP32-0AA0
		63	38-630	25 - 63	95-756	3VA2063-6JP32-0AA0
		100	60-1000	40 - 100	150-1200	3VA2010-6JP32-0AA0
		160	96-1600	63 - 160	240-1600	3VA2116-6JP32-0AA0
		250	150-2500	100 - 250	375-2500	3VA2225-6JP32-0AA0
	3	400	240-4000	160 - 400	600-4000	3VA2340-6JP32-0AA0
		630	378-5670	250 - 630	945-5670	3VA2463-6JP32-0AA0
	4	800	480-8000	320 - 800	1200-8000	3VA2580-6JP32-0AA0
		1000	600-10000	400 - 1000	1500-10000	3VA2510-6JP32-0AA0
	5	1250	750-12500	500-1250	1875-12500	3VA2612-6JP32-0AA0

With 5-series and 8-series electronic trip units, it is possible to set more parameters and to scale the selection of parameters more finely than on 3-series trip units.

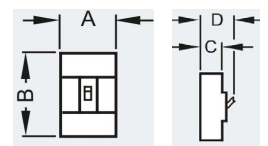


ETU550 LSI = Electronic Trip Unit with LSI protection functions for 3P 3VA2 MCCBs includes following:

- | Adjustable parameter settings Ir and tr for overload protection (L)
- | Adjustable parameter settings I_{sd} and t_{sd} for short-time delayed short circuit protection (S)
- | Adjustable parameter setting I_i for instantaneous short-circuit protection (I)
- | Adjustable parameter settings I_{sd} and t_{sd} for short-time delayed short circuit protection (I_{sd})

3VA2 MCCBs Dimensions

FRAME SIZE (FS)	A (3P)	A (4P)	B	C	D
2A	105	140	181	83	107
3	138	184	248	110	173
4	210	280	320	117	253



Note: All dimensions are in mm.

MOULDED CASE CIRCUIT BREAKERS 3VA2 3 POLE ETU LSI COMMUNICATIONS CAPABLE WITH INBUILT METERING

3VA2 MCCBs - ETU850 LSI/LSIG

3 Pole, 25A - 1250A

Line protection - Electronic Trip unit (ETU850 LSI)



	FRAME SIZE (FS)	In (A) RATED	Ir (A) SETTING	Li (A) SETTING	Ig (A) SETTING	PART NUMBER
55kA at 415V Line protection ETU850 LSI	2A	25	15-250	10 - 25	38-300	3VA2025-5KP32-0AA0
		40	24-400	16 - 40	60-480	3VA2040-5KP32-0AA0
		63	38-630	25 - 63	95-756	3VA2063-5KP32-0AA0
		100	60-1000	40 - 100	150-1200	3VA2010-5KP32-0AA0
		160	96-1600	63 - 160	240-1600	3VA2116-5KP32-0AA0
		250	150-2500	100 - 250	375-2500	3VA2225-5KP32-0AA0
	3	400	240-4000	160 - 400	600-4000	3VA2340-5KP32-0AA0
		630	378-5670	250 - 630	945-5670	3VA2463-5KP32-0AA0
55kA at 415V ETU860 LSI	4	800	480-8000	320 - 800	1200-8000	3VA2580-5KQ32-0AA0
		1000	600-10000	400 - 1000	1500-10000	3VA2510-5KQ32-0AA0
	5	1250	750-12500	500-1250	1875-12500	3VA2612-5KQ32-0AA0
85kA at 415V Line protection ETU850 LSI	2A	25	15-250	10 - 25	38-300	3VA2025-6KP32-0AA0
		40	24-400	16 - 40	60-480	3VA2040-6KP32-0AA0
		63	38-630	25 - 63	95-756	3VA2063-6KP32-0AA0
		100	60-1000	40 - 100	150-1200	3VA2010-6KP32-0AA0
		160	96-1600	63 - 160	240-1600	3VA2116-6KP32-0AA0
		250	150-2500	100 - 250	375-2500	3VA2225-6KP32-0AA0
	3	400	240-4000	160 - 400	600-4000	3VA2340-6KP32-0AA0
		630	378-5670	250 - 630	945-5670	3VA2463-6KP32-0AA0
85kA at 415V ETU860 LSI	4	800	480-8000	320 - 800	1200-8000	3VA2580-6KQ32-0AA0
		1000	600-10000	400 - 1000	1500-10000	3VA2510-6KQ32-0AA0
	5	1250	750-12500	500-1250	1875-12500	3VA2612-6KQ32-0AA0

With 5-series and 8-series electronic trip units, it is possible to set more parameters and to scale the selection of parameters more finely than on 3-series trip units.

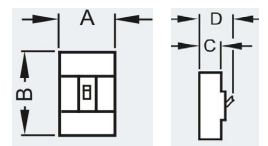


ETU850 LSI = Electronic Trip Unit with LSI protection functions for 3P 3VA2 MCCBs includes following:

- | Adjustable parameter settings Ir and tr for overload protection (L)
- | Adjustable parameter settings Isd and tsd for short-time delayed short circuit protection (S)
- | Adjustable parameter setting Ii for instantaneous short-circuit protection (I)
- | Adjustable parameter settings Isd and tsd for short-time delayed short circuit protection (Isd)

3VA2 MCCBs Dimensions

FRAME SIZE (FS)	A (3P)	A (4P)	B	C	D
2A	105	140	181	86	107
3	138	184	248	110	137
4	210	280	320	120	253



Note: All dimensions are in mm.

MCCB COMMUNICATION ACCESSORIES 3VA2

24V module ETU 5 & 8

PART NUMBER	TO SUIT	DESCRIPTION
3VA9187-0TB50	3VA20, 21 & 22	Optional 24V energy supply for ETU
3VA9387-0TB50	3VA23, 24 & 25	Optional 24V energy supply for ETU



COM 60 module (for communication with COM100/800)

3VA9187-0TB10	3VA20, 21 & 22	COM60 module (includes power supply, so external 24VDC not required)
3VA9387-0TB10	3VA23, 24 & 25	COM60 module (includes power supply, so external 24VDC not required)



Note: Mounts in right hand side of ETU, includes T connector & Cable

Breaker data server (ethernet with slot for optional Modbus RTU, Profibus DP or Profinet module)

3VA9987-0TA10	3VA2	COM800 for up to 8 3VA2 MCCB's
3VA9987-0TA20	3VA2	COM100 for one 3VA2 MCCB



Optional communication modules for breaker data server

7KM9300-0AB01-0AA0	COM100/800	Profibus DP expansion module
7KM9300-0AE02-0AA0	COM100/800	Profinet expansion module
7KM9300-0AM00-0AA0	COM100/800	RS485 Modbus RTU expansion module



Display

3VA9987-0TD10	3VA2	For displaying the status, measured values and parameters of up to 8 of 3VA2 moulded case circuit breakers
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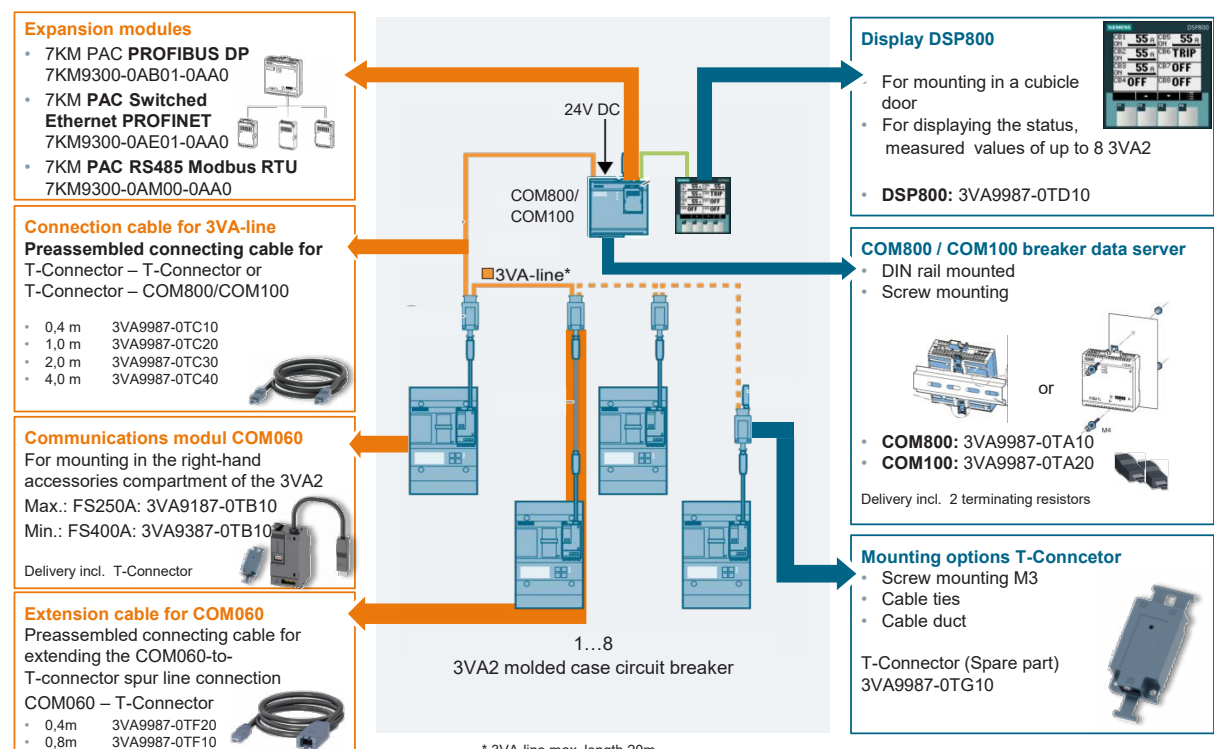
External function box

3VA9987-0UA10	3VA2	External function box for connection to the ETU, 4 digital outputs, 1 digital input The EFB300 external function box receives information from the ETU via a cable connection. This information can be used to output active trip alarms and tripping reasons (configurable using powerconfig) via four digital outputs.
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Connection cables

3VA9987-0TC10	3VA2	Preassembled connecting cable 0.4m
3VA9987-0TC20	3VA2	Preassembled connecting cable 1.0m
3VA9987-0TC30	3VA2	Preassembled connecting cable 2.0m
3VA9987-0TC40	3VA2	Preassembled connecting cable 4.0m



MCCB ACCESSORIES - 3VA2

Auxiliary switches & alarm switches



PART NUMBER	TO SUIT	DESCRIPTION
3VA9988-0AA12	3VA2 3 & 4 Pole	1 C/O Auxiliary Switch 1 Module (HQ)
3VA9988-0AA11	3VA2 3 & 4 Pole	1 C/O Auxiliary Switch 2 Module (HP)
3VA9988-0AB12	3VA2 3 & 4 Pole	1 C/O Trip Alarm Switch 1 Module (HQ)
3VA9988-0AB11	3VA2 3 & 4 Pole	2 C/O Trip Alarm Switch 2 Module (HP)

Note: HP module can have two conductors per contact point for looping.

Shunt trips (left side)



3VA9988-0BL30	3VA2 3 & 4 Pole	24V AC/DC
3VA9988-0BL32	3VA2 3 & 4 Pole	110VAC
3VA9988-0BL33	3VA2 3 & 4 Pole	240VAC

Undervoltage release (left side)

3VA9908-0BB11	3VA2 3 & 4 Pole	24VDC
3VA9908-0BB25	3VA2 3 & 4 Pole	220-230 VAC

Door mounted rotary operator standard IP65 with door interlock padlocking with 300mm shaft



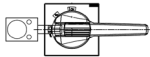
3VA9267-0FK21	3VA20,21 & 22 100, 160 & 250A	Includes - Handle, 300mm shaft and coupler
3VA9467-0FK21	3VA23 & 24 400 & 630A	Includes - Handle, 300mm shaft and coupler
3VA9687-0FK21	3VA25 800 & 1000A	Includes - Handle, 300mm shaft and coupler
3VW9727-0FK21	3VA27 1250 & 1600A	Includes - Handle, 300mm shaft and coupler

Note: Red/Yellow handles available, change FK21 to FK25 in part number.

Castell Interlocking Adaptors for 3VA1 Handles with no Tolerance Compensator

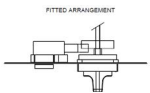
(no Keys or Locks supplied)

Handle Kit no Tolerance



3VA9267-0FK61	3VA20,21 & 22 100, 160 & 250A	Includes - Handle, 300mm shaft and coupler
3VA9467-0FK61	3VA23 & 24 400 & 630A	Includes - Handle, 300mm shaft and coupler
3VA9687-0FK61	3VA25 & 26 800,1000 & 1250A	Includes - Handle, 300mm shaft and coupler

Interlock Components (to K-FSB-25.4-2**) ** = Key Code



3VA-ILC8	3VA20 to 3VA24	Includes - Spacer and Cam for 8mm shaft
3VA-IL12	3VA25 & 26	Includes - Spacer and Cam for 12mm shaft

Terminal covers

(1 set = 1 unit)



3VA9221-0WD30	3VA20,21 & 22 100, 160 & 250A	Flush 3 Pole Cover
3VA9481-0WD30	3VA23 & 24 400 & 630A	Flush 3 Pole Cover
3VA9601-0WD30	3VA25 800,1000 & 1250A	Flush 3 Pole Cover
3VA9221-0WF30	3VA20,21 & 22 100, 160 & 250A	Extended 3 Pole Cover
3VA9481-0WF30	3VA23 & 24 400 & 630A	Extended 3 Pole Cover
3VA9601-0WF30	3VA25 800,1000 & 1250A	Extended 3 Pole Cover

Terminal covers - for offset extension bars (1 set = 1 unit)



3VA9221-0WG30	3VA20,21 & 22 100, 160 & 250A	Extended 3 Pole Cover for offset extension bars
3VA9481-0WG30	3VA23 & 24 400 & 630A	Extended 3 Pole Cover for offset extension bars

Padlock attachment (Not captive)



3VA9388-0LB10	3VA20,21,22,23 & 24	Locking device for toggle levers
3VA9588-0LB10	3VA25	Locking device for toggle levers

MCCB ACCESSORIES - 3VA2

Tunnel terminals (contains 3 single terminals)



PART NUMBER	TO SUIT	DESCRIPTION
3VA9163-OJA12	3VA20,1 & 2 100, 160 & 250A	Box Terminals up to 120 mm ²
3VA9263-OJA12	3VA20,1 & 2 100, 160 & 250A	Box Terminals up to 185 mm ²
3VA9483-OJA13	3VA23 & 4 400 & 630A	Box Terminals up to 300 mm ² *

*Only up to 400A

Extension bars - straight



3VA9253-OQB00	3VA20,1 & 2 100, 160 & 250A	Three phase extension bar with two phase barriers
3VA9483-OQB00	3VA23 & 4 400 & 630A	Three phase extension bar with two phase barriers
3VA9603-OQB00	3VA25 800 & 1000A	Three phase extension bar with two phase barriers

Extension bars - offset



3VA9263-OQC00	3VA20,1 & 2 100, 160 & 250A	Three phase extension bar with two phase barriers
3VA9483-OQC00	3VA23 & 4 400 & 630A	Three phase extension bar with two phase barriers
3VA9603-OQC00	3VA25 800 & 1000A	Three phase extension bar with two phase barriers

Note: Distance between pole centers: 3VA20,1 & 2 100, 160 & 250A = 45 mm, 3VA23 & 4 400 & 630A = 70 mm.

RCD modules (type A)



3VA9123-ORL30	3VA20 & 1 100 & 160A	3P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9223-ORL30	3VA22 250A	3P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9323-ORL30	3VA23 400A	3P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9423-ORL30	3VA24 630A	3P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9124-ORL30	3VA20 & 1 100 & 160A	4P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9224-ORL30	3VA22 250A	4P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9324-ORL30	3VA23 400A	4P Bottom Mt., 0.03 to 30A, Time Delay to 10sec
3VA9424-ORL30	3VA24 630A	4P Bottom Mt., 0.03 to 30A, Time Delay to 10sec

Note: Suitable for single phase applications.

Motor operator without stored energy operator (MO320)



3VA9267-OHA10	3VA20,1 & 2 100, 160 & 250A	24 to 60VDC Front Mount
3VA9467-OHA10	3VA23 & 4 400 & 630A	24 to 60VDC Front Mount
3VA9267-OHA20	3VA20,1 & 2 100, 160 & 250A	110 to 230VAC, 110 to 250VDC Front Mount
3VA9467-OHA20	3VA23 & 4 400 & 630A	110 to 230VAC, 110 to 250VDC Front Mount

Motor operator with stored energy operator (SEO520)

3VA9267-OHC10	3VA20,1 & 2 100, 160 & 250A	24VDC Front Mount
3VA9267-OHC20	3VA20,1 & 2 100, 160 & 250A	42 to 60V AC/DC Front Mount
3VA9267-OHC30	3VA20,1 & 2 100, 160 & 250A	110 to 230VAC, 110 to 250VDC Front Mount
3VA9467-OHC10*	3VA23 & 4 400 & 630A	24VDC Front Mount
3VA9467-OHC20*	3VA23 & 4 400 & 630A	42 to 60V AC/DC Front Mount
3VA9467-OHC30*	3VA23 & 4 400 & 630A	110 to 230VAC, 110 to 250VDC Front Mount

Motor operator with stored energy operator (SEO520) with Communication Link



3VA9267-OHC15	3VA20,1 & 2 100, 160 & 250A	24VDC Front Mount
3VA9267-OHC35	3VA20,1 & 2 100, 160 & 250A	110 to 230VAC, 110 to 250VDC Front Mount
3VA9467-OHC15*	3VA23 & 4 400 & 630A	24VDC Front Mount
3VA9467-OHC35*	3VA23 & 4 400 & 630A	110 to 230VAC, 110 to 250VDC Front Mount

* Should be product version E06 or higher

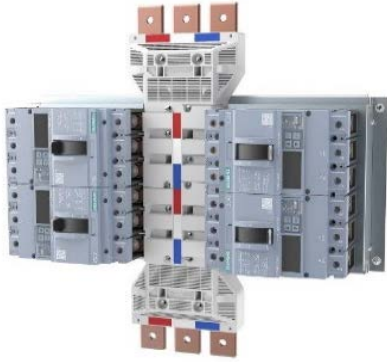
Test Devices for 3VA2 ETU's (Not for 3VA27)



3VA9987-OMA10	TD300 test device for activation of the ETU 5 & 8 and initiation of a test tripping operation on ETU 3,5 & 8
3VA9987-OMB10	<ul style="list-style-type: none"> A TD500 test device via powerconfig can be used to successively parameterize all 3VA2 molded case circuit breakers directly in situ. USB interface for connecting a PC with SENTRON powerconfig Includes external power supply The device can store up to 100 test results. Using the TD500 test device and the powerconfig software, it is possible to read out all diagnostic data of the 3VA2 molded case circuit breaker either digitally or as a hardcopy. Test functions can be performed directly on the PC with the powerconfig software.

MCCB ENCAPSULATED CHASSIS 630A - 800A

630A EHC2 Chassis (suits 3VA12, 3VA20, 21 and 22 frames)



DOUBLE SIDED		LEFT / RIGHT HAND SIDED	
6	EHC26306◆	3	EHC2630LH03◆
12	EHC263012◆	6	EHC2630LH06◆
18	EHC263018◆	9	EHC2630LH09◆
24	EHC263024◆	12	EHC2630LH12◆
30	EHC263030◆	15	EHC2630LH15◆
36	EHC263036◆	18	EHC2630LH18◆
42	EHC263042◆	21	EHC2630LH21◆
48	EHC263048◆	24	EHC2630LH24◆
60	EHC263060◆	30	EHC2630LH30◆
72	EHC263072◆	36	EHC2630LH36◆

Universal Feed
Top Feed
Bottom Feed

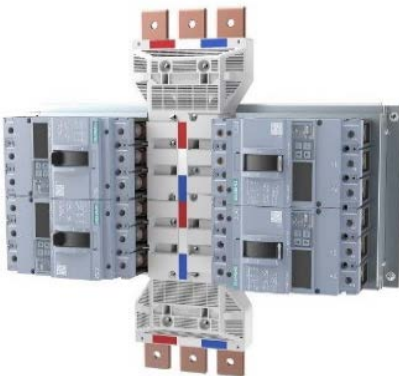
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Universal Feed
Top Feed
Bottom Feed

U
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B

Replace LH with RH for Right Hand side

800A EHC2 Chassis (suits 3VA12, 3VA20, 21 and 22 frames)



DOUBLE SIDED		LEFT / RIGHT HAND SIDED	
6	EHC28006◆	3	EHC2800LH03◆
12	EHC280012◆	6	EHC2800LH06◆
18	EHC280018◆	9	EHC2800LH09◆
24	EHC280024◆	12	EHC2800LH12◆
30	EHC280030◆	15	EHC2800LH15◆
36	EHC280036◆	18	EHC2800LH18◆
42	EHC280042◆	21	EHC2800LH21◆
48	EHC280048◆	24	EHC2800LH24◆
60	EHC280060◆	30	EHC2800LH30◆
72	EHC280072◆	36	EHC2800LH36◆

Universal Feed
Top Feed
Bottom Feed

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Bottom Feed

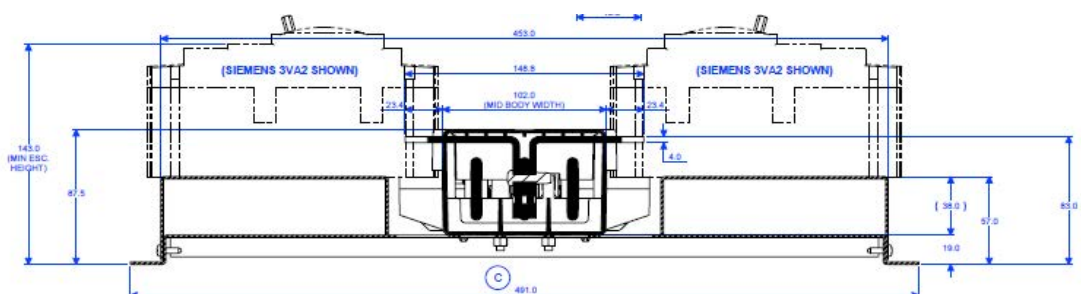
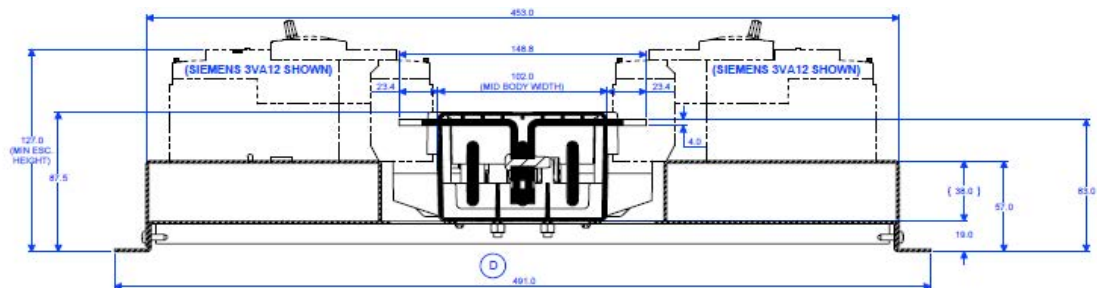
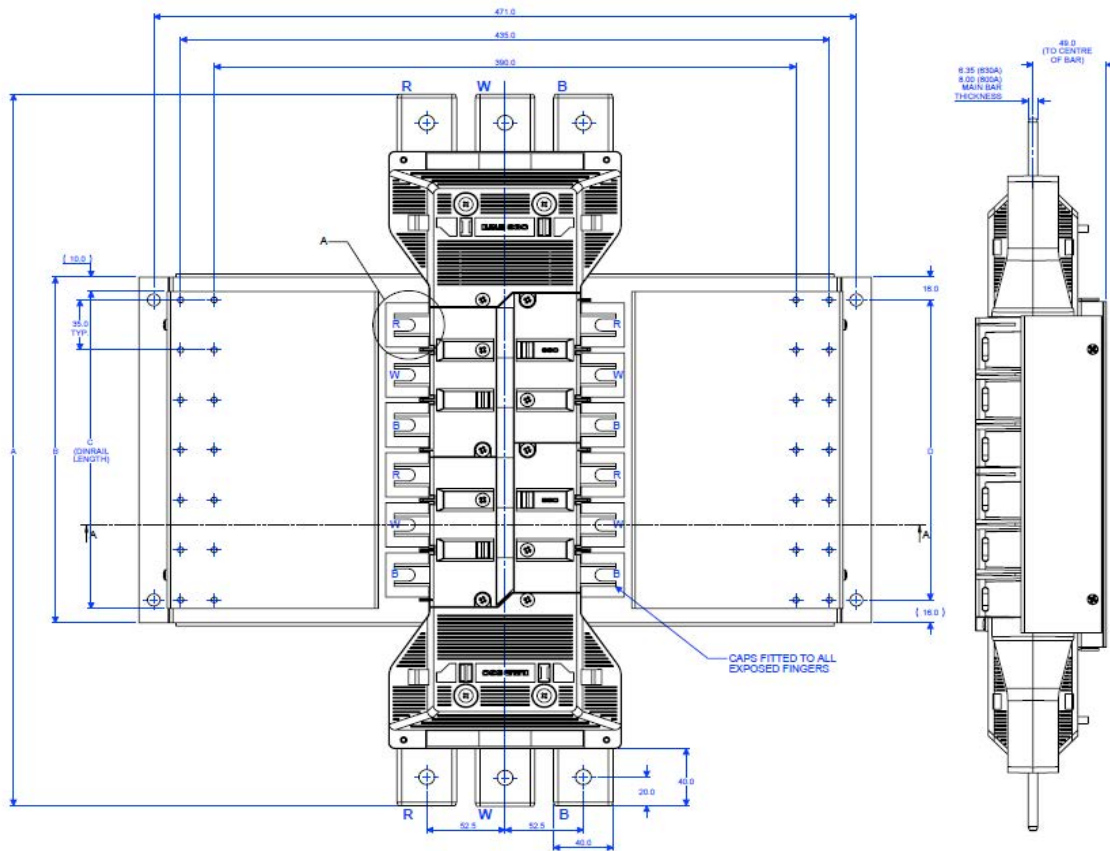
U
T
B

Replace LH with RH for Right Hand side

MCCB ENCAPSULATED CHASSIS 630A - 800A

630A EHC2 Chassis (suits 3VA12, 3VA20, 21 and 22 frames)

POLES	DIMENSIONS MM					
	A UNIVERSAL	A TOP/BOTTOM	B	C	D	E
6	393	268	137	117	105	107
12	498	373	242	222	210	212
18	603	478	347	327	315	317
24	708	583	452	432	420	422
30	813	688	557	537	525	527
36	918	793	662	642	630	632
42	1023	898	767	747	735	737
48	1128	1003	872	852	840	842
60	1338	1213	1082	1062	1050	1052
72	1548	1423	1292	1272	1260	1262



POWER METERS

PAC2200 - The energy meter solution for DIN rail mounting



PART NUMBER	TYPE	CONTROL VOLTAGE	DESCRIPTION
7KM2200-2EA30-1DA1	PAC2200	Self Powered	Measurement Via 1 A or 5 A CTs Modbus RTU Active/Reactive Energy Class 1
7KM2200-2EA30-1EA1	PAC2200	Self Powered	Measurement Via 1 A or 5 A CTs Modbus TCP Active/Reactive Energy Class 1

PAC1020- The cost-effective entry into power measurement and transparency



7KM1020-0BA01-1DA0	PAC1020	85V - 276V AC	Measurement Via 1 A or 5 A CTs Modbus RTU Active Energy Class 1
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PAC3120 - The cost-effective solution for digital measurement



7KM3120-0BA01-1DA0	PAC3120	100 - 250V AC/DC	RS485 Communications, 2 x Digital I/O Class 0.5 For Active Energy,
7KM3120-1BA01-1EA0	PAC3120	22 - 60V DC	RS485 Communications, 2 x Digital I/O Class 0.5 For Active Energy,

PAC3220 - The specialist solution for precise energy measurement



7KM3220-0BA01-1DA0	PAC3220	100 - 250V AC/DC	Ethernet Modbus TCP Port, 2 Tarrif, 2 x Digital I/O Class 0.5S For Active Energy
7KM3220-1BA01-1EA0	PAC3220	22 - 60V DC	Ethernet Modbus TCP Port, 2 Tarrif, 2 x Digital I/O Class 0.5S For Active Energy

PAC4200 - The professional solution for communication and monitoring



7KM4212-0BA00-3AA0	PAC4200	95-240V AC 110-340V DC	Ethernet Modbus TCP Port, 2 Tarrif, Class 0.2S For Active Energy, Modbus Gateway, Clock/Calender Aux supply 95-240VAC 50/60HZ / 110-340VDC
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PAC5200 - The specialist solution for measured value recording and power supply quality



7KM5412-6BA00-1EA2	PAC5200	95-230V AC 24-250V DC	Ethernet Modbus TCP Port and web interface Class 0.2S For Active Energy
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Note - PAC 31, 32, 42, 51 & 52 are Panel Mount 96x96mm and all of the above PAC meters require CT's

Expansion modules for PAC Meters



PART NUMBER	SUITS	DESCRIPTION
7KM9300-0AB01-0AA0	PAC3220 & 4200	Profibus
7KM9300-0AE02-0AA0	PAC3220 & 4200	Profinet (has 2 ports)
7KM9300-0AM00-0AA0	PAC3220 & 4200	Modbus
7KM9200-0AB00-0AA0	PAC3220 & 4200	Expansion module 4 DI / 2 DO

7KT PAC1200 multichannel current measuring system

The 7KT PAC1200 multichannel current measuring system monitors and displays the energy consumption of up to 96 outgoing feeders. The Data Manager can supply up to eight sensor bars. The full configuration would thus be 8 sensor bars with 12 sensors each.

The system makes energy consumption and the resulting costs transparent for a given installation.

The system can be adapted to individual needs and application scenarios. In addition, single sensors can be named individually and compared with each other.

The system can also be configured flexibly as the number of sensor bars can be varied.

Up to eight different, selectable consumption sources can be compared with each other.

The measured values can be displayed via a Web browser. Both current values and statistical values can be displayed here. Display is possible in an application for mobile terminal devices, as a desktop application, or in powermanager.

Statistical values can be collected over different time periods and exported via a CSV file.

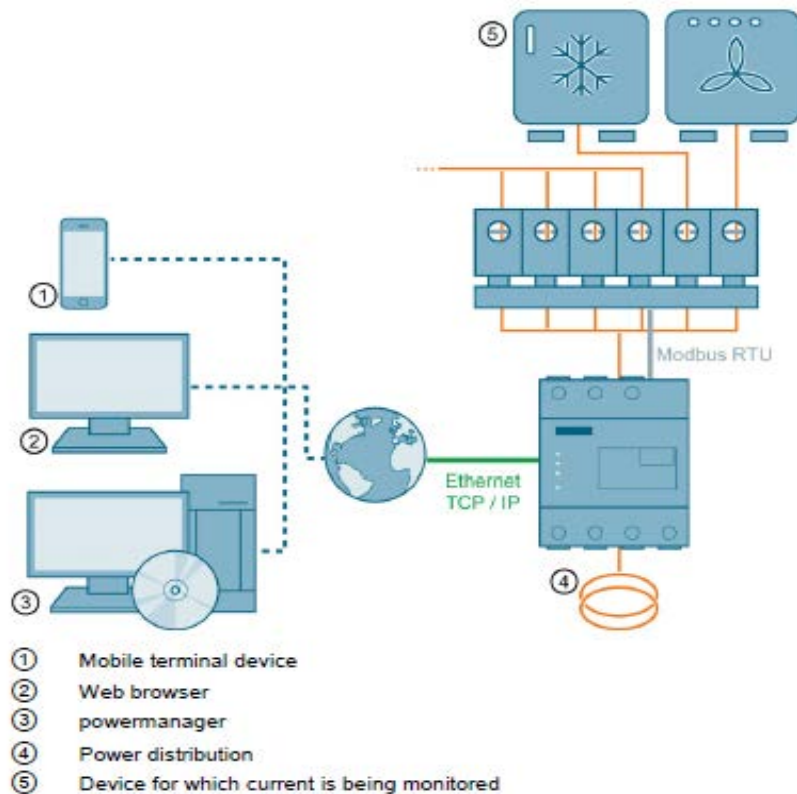
PART NUMBER	DESCRIPTION
7KT1260	7KT PAC1200 data manager, 3-phase active power and reactive power energy measurement Direct connection up to 63 A Optional use with external measuring transformer for extending the measuring range (eg. 100-600A) Operator input/configuration: Web interface Support of up to 96 sensors for single-phase measurement
7KT1233	3 sensor bar for PAC1200 system
7KT1236	6 sensor bar for PAC1200 system
7KT1238	9 sensor bar for PAC1200 system
7KT1242	12 sensor bar for PAC1200 system
7KT1254	Sensor (CT) 40A
7KT1255	Sensor (CT) 63A



POWER METERS

SENTRON PORTFOLIO FOR POWER MONITORING	PAC2200	PAC3120	PAC3220	PAC4200	PAC5200
	THE ENERGY METER SOLUTION FOR DIN RAIL	THE COST-EFFECTIVE SOLUTION FOR DIGITAL MEASUREMENT	THE SPECIALIST SOLUTION FOR PRECISE ENERGY MEASUREMENT	THE PROFESSIONAL SOLUTION FOR COMMUNICATION AND MONITORING	THE SPECIALIST SOLUTION FOR MEASURED VALUE RECORDING
U, I, P, f, λ	x	x	x	x	x
Apparent active reactive energy cosφ	x x x -	x x x x	x x x x	x x x x	x x x x
Maximum input voltage L-L/L-N	480 V / 277 V	690 V / 276 V	690 V / 400 V	690 V / 400 V	690 V / 400 V galvanically separated
Current transformer connection direct measuring	x x (up to 65 A)	x -	x -	x -	x -
DI / DO	1/1	2/2	2/2 (10/6 with expansion Module)	2/2 (10/6 with expansion Module)	0/2
Integrated communication	Modbus TCP Modbus RTU M-Bus	Modbus RTU	Modbus TCP	Modbus TCP	Modbus TCP
Communication via expansion module	-	-	Modbus RTU PROFINET PROFIBUS	Modbus RTU PROFINET PROFIBUS	-
I(N), I(Diff)	-	-	with expansion module	with expansion module	-
Analog input	-	-	with expansion module	with expansion module	-
Load profile record	-	-	-	x	x
Software interfaces	Webinterface, powerconfig, powermanager	powerconfig, powermanager	Webinterface, SIMATIC Energy Suite, SIMATIC Energy Manager PRO, powerconfig, powermanager	Webinterface, SIMATIC Energy Suite, SIMATIC Energy Manager PRO, powerconfig, powermanager	Webinterface, powerconfig, powermanager
THD Flicker, fault recorder,	- -	x -	x -	x -	x x (5200)
Harmonics	-	-	-	1. ... 64.	2. ... 40.
Customizable display	-	-	x	x	x
Accuracy class active energy reactive energy	1 1	0.5 2	0.5 S 2	0.2 S 2	0.5 S 2
Dimensions WxHxD mm	90 x 108 x 64	96 x 96 x 56	96 x 96 x 56	96 x 96 x 82	96 x 96 x 100

PAC1200 System



DISCONNECTION SWITCHES 63-2000A (3KD)

Switch - no handle and operating mechanism on the left



PART NUMBER	RATED CURRENT	FRAME SIZE	DESCRIPTION	RATED SHORT TIME WITHSTAND CURRENT (ICW) 1 SEC 1000VAC
3KD2630-2ME10-0	63A	1	3 Pole Disconnector with Box Terminals	3kA
3KD2830-0NE10-0	80A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3030-0NE10-0	100A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3230-0NE10-0	125A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3430-0NE10-0	160A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3630-0NE10-0	200A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3630-0PE10-0	200A	3	3 Pole Disconnector with Lug Connections	13kA
3KD3830-0NE10-0	250A	2	3 Pole Disconnector with Lug Connections	4kA
3KD3830-0PE10-0	250A	3	3 Pole Disconnector with Lug Connections	13kA
3KD4030-0PE10-0	315A	3	3 Pole Disconnector with Lug Connections	13kA
3KD4230-0PE10-0	400A	3	3 Pole Disconnector with Lug Connections	13kA
3KD4430-0QE10-0	500A	4	3 Pole Disconnector with Lug Connections	30kA
3KD4630-0QE10-0	630A	4	3 Pole Disconnector with Lug Connections	30kA
3KD4830-0QE10-0	800A	4	3 Pole Disconnector with Lug Connections	30kA
3KD5030-0RE10-0	1000A	5	3 Pole Disconnector with Lug Connections	55kA
3KD5230-0RE10-0	1250A	5	3 Pole Disconnector with Lug Connections	55kA
3KD5430-0RE10-0	1600A	5	3 Pole Disconnector with Lug Connections	55kA
3KD5630-0RE10-0	2000A	5	3 Pole Disconnector with Lug Connections	55kA

The 3KD switch disconnectors are designed for floor mounting and the sizes 1 and 2 can optionally also be mounted on DIN rails

Handles - rotary door operating mechanisms, padlockable



PART NUMBER	FRAME SIZE	DESCRIPTION
8UD1171-2AF21	1/2	Door Handle Grey With 300mm Shaft
8UD1141-2AF21	3	Door Handle Grey With 300mm Shaft
8UD1151-3AF21	4	Door Handle Grey With 300mm Shaft
8UD1161-4AF21	5	Door Handle Grey With 300mm Shaft

Note: Red/Yellow handles available, change AF21 to AF25 in part number.

Handles - direct operating mechanisms



3KD9101-1	1	Direct Handle Grey
3KD9201-1	2	Direct Handle Grey
3KD9301-1	3	Direct Handle Grey
3KD9401-1	4	Direct Handle Grey
3KD9501-1	5	Direct Handle Grey

3KD ACCESSORIES

Auxiliary contacts

3KD9103-5	1/2	S1/2 AUX Switch Holder Up To 2 Switches
3KD9103-1	1/2	AUX Switch 1 C/O for Holder (50cm cables)
3SU1400-1AA10-1FA0	3 to 5	Auxiliary contact 1 NO+1 NC (no holder required)

4th Pole



3KD9205-0	2	4TH Contact, Switchable with Lug Connections
3KD9205-2	2	4TH Contact, Switchable with Lug Connections
3KD9305-0	3	4TH Contact, Switchable with Lug Connections
3KD9405-0	4	4TH Contact, Switchable with Lug Connections
3KD9505-0	5	4TH Contact, Switchable with Lug Connections

Terminal covers



3KD9204-6	2	Standard Cover 6 Pieces
3KD9304-6	3	Standard Cover 6 Pieces
3KD9404-6	4	Standard Cover 6 Pieces
3KD9504-6	5	Standard Cover 6 Pieces

Phase barriers



3KD9308-6	3	Phase Barrier Contains 6 Pieces
3KD9408-6	4	Phase Barrier Contains 6 Pieces
3KD9508-6	5	Phase Barrier Contains 6 Pieces

PANEL MOUNT AND ENCLOSED ISOLATING SWITCHES 16 TO 630A

3 Pole panel mount switch with red / yellow handle



PART NUMBER	AC21 RATING	AC23 RATING	DESCRIPTION
3LD3054-0TK53	16A	7.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3154-0TK53	25A	9.0kW	Front plate mounting with Central hole mounting 22.5mm
3LD3254-0TK53	32A	11.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3354-0TK53	40A	18.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3454-0TK53	63A	22.0kW	Front plate mounting with Central hole mounting 22.5mm
3LD2704-0TK53	100A	37.0kW	Front plate mounting with 4-hole mounting of the handle

4 Pole (3P + N) panel mount switch with red / yellow handle



3LD3054-0TL53	16A	7.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3154-0TL53	25A	9.0kW	Front plate mounting with Central hole mounting 22.5mm
3LD3254-0TL53	32A	11.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3354-0TL53	40A	18.5kW	Front plate mounting with Central hole mounting 22.5mm
3LD3454-0TL53	63A	22.0kW	Front plate mounting with Central hole mounting 22.5mm

Accessories



3LD9340-0B			Neutral switch leading contact for front mount 16 to 63A 3LD3
3LD9340-2B			Neutral terminal contact for front mount 16 to 63A 3LD3
3LD9340-3B			PE terminal contact for front mount 16 to 63A 3LD3
3LD9340-6B			1 NO + 1 NC Auxiliary contact for front mount 16 to 63A 3LD3
3LD9341-0A			Terminal cover for 3 pole 3LD3 16 to 63A
3LD9341-2A			Terminal cover for neutral terminal 3LD3 16 to 63A

- | Degree of protection at front side IP65
- | Including terminal cover for the infeed side
- | Front plate 66 x 66 mm

AUTOMATIC TRANSFER CONTROL DEVICES

SENTRON ATC3100



The 3KC ATC3100 transfer control device offers customers flexible and fast commissioning for implementing simple applications. The 3KC ATC3100 can be mounted in a control cabinet door, on a standard rail or on a rear panel without additional accessories. By default, the transfer control device supplied with a lockable safety cover (IP41). The connecting cable is pre-assembled to assist in fast cabling.

The 3KC ATC3100 can be configured without software and automatic changeover applications can be implemented with ease.

For use with Siemens 3WL/3WA/3WT ACB's and 3VA MCCB's

PART NUMBER	DESCRIPTION
3KC9000-8EL10	Controller - Note 24VDC power supply is needed
3KC9000-8EL62	1.8m Connecting cable

Note: The 3KC9000-8EL62 connecting cable is required with the 3KC9000-8EL10

SENTRON ATC6300



The SENTRON ATC6300 is ideally suited for low voltage power supplies thanks to its wide voltage range covering 100 to 480V. SENTRON ATC6300 allows the implementation of an automatic transfer control unit in conjunction with compact molded case circuit breakers MCCB, air circuit breakers ACB, switch disconnectors LBS, or contactors.

The 3KC ATC6300 can be integrated into a communication environment using expansion modules. For communication, the 3KC ATC6300 supports Modbus RTU, Modbus TCP as well as Modbus ASCII protocols via the optional RS 485 and Ethernet interfaces.

The 3KC ATC6300 offers the following metering functions:

- | Phase sequence
- | Phase failure
- | Minimum / maximum voltage
- | Minimum / maximum frequency
- | Voltage unbalance

For use with Siemens 3KC3 and 3KC4 Remote Transfer Switches, 3WL/3WA/3WT ACB's and 3VA MCCB's

PART NUMBER	DESCRIPTION
3KC9000-8TL40	Controller 100 to 240 V AC, 45 ... 65 Hz

SENTRON ATC6500



The 3KC ATC6500 transfer control device can do everything the 3KC ATC6300 can.

The 3KC ATC6500 also offers the option of controlling an additional tie breaker (eg. 2 sources and a bustie)

It can be used to implement a wide range of applications with critical load management. Load shedding of non-critical loads can therefore be implemented.

The ATC6500 also features a permanently integrated RS 485 interface.

For use with Siemens 3WL10, 3WL/3WA/3WT ACB's and 3VA MCCB's:

PART NUMBER	DESCRIPTION
3KC9000-8TL50	Controller 100 to 240 V AC, 45 ... 65 Hz

ACCESSORIES for ATC6300 & 6500

PART NUMBER	DESCRIPTION
3KC9000-8TL60	Expansion module 4 digital inputs
3KC9000-8TL63	Expansion module 2 relay outputs
3KC9000-8TL64	Expansion module 2 digital inputs and 2 relay outputs
3KC9000-8TL74	ATC6 RS 485 expansion module
3KC9000-8TL75	ATC6 Ethernet expansion module

BASIC TRANSFER SWITCHES, 3VA MCCBS

Two of 3VA MCCB's with motor operators pre-assembled and wired on a mounting plate complete with walking beam interlock.

Standard units include 230VAC operating motors and shunt trips, other voltage available on request.

3 Pole / 4 Pole units available on request.

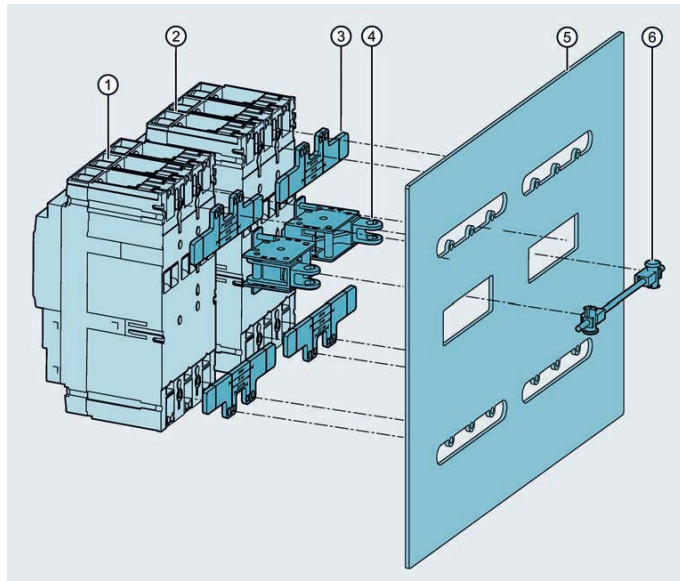
3VA2 with Electronic Trip Unit available

55kA Thermal Magnetic protection using 3VA1 MCCB

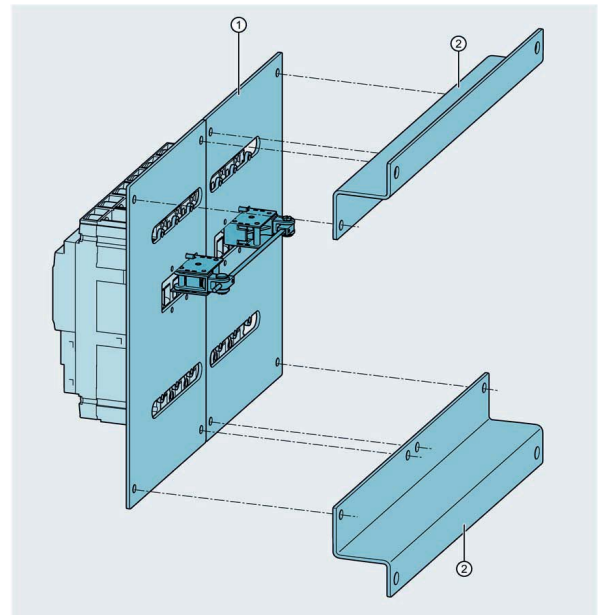
IN CURRENT RATING	PART NUMBER 3 POLE / 3 POLE	PART NUMBER 4 POLE / 4 POLE
63A	APSBTS-11635EF-33	APSBTS-11635EF-44
100A	APSBTS-11105EF-33	APSBTS-11105EF-44
160A	APSBTS-11165EF-33	APSBTS-11165EF-44
250A	APSBTS-12255EF-33	APSBTS-12255EF-44
320A	APSBTS-13325EF-33	APSBTS-13325EF-44
400A	APSBTS-13405EF-33	APSBTS-13405EF-44
630A	APSBTS-14635EF-33	APSBTS-14635EF-44

70kA Thermal Magnetic protection using 3VA1 MCCB

63A	APSBTS-11636EF-33	APSBTS-11636EF-44
100A	APSBTS-11106EF-33	APSBTS-11106EF-44
160A	APSBTS-11166EF-33	APSBTS-11166EF-44
250A	APSBTS-12256EF-33	APSBTS-12256EF-44
315A	APSBTS-13326EF-33	APSBTS-13326EF-44
400A	APSBTS-13406EF-33	APSBTS-13406EF-44
630A	APSBTS-14636EF-33	APSBTS-14636EF-44



1	Molded case circuit breaker 1
2	Molded case circuit breaker 2
3	Mounting accessories
4	Interlocking modules
5	Panel mounting plate
6	Interlocking rod

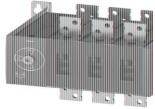
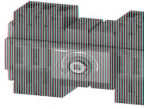


1	Mounting plates (specific to molded case circuit breaker)
2	Mounting rail

MANUAL TRANSFER SWITCHES 32-1600A (3KC)

Manual transfer switch - no handle

3 POLE / 3 POLE



PART NUMBER	RATED CURRENT	SIZE	ICW (1S) 415V	ICM	TERMINALS
3 POLE / 3 POLE					
3KC0322-2ME00-0AA0	32A	1	3kA	7kA	Box
3KC0326-2ME00-0AA0	63A	1	3kA	7kA	Box
3KC0328-2NE00-0AA0	80A	2	4kA	12kA	Lug
3KC0330-2NE00-0AA0	100A	2	4kA	12kA	Lug
3KC0334-2NE00-0AA0	160A	2	4kA	12kA	Lug
3KC0336-0PE00-0AA0	200A	3	13kA	26kA	Lug
3KC0338-0PE00-0AA0	250A	3	13kA	26kA	Lug
3KC0340-0PE00-0AA0	315A	3	13kA	26kA	Lug
3KC0342-0PE00-0AA0	400A	3	13kA	26kA	Lug
3KC0344-0QE00-0AA0	500A	4	30kA	63kA	Lug
3KC0346-0QE00-0AA0	630A	4	30kA	63kA	Lug
3KC0348-0QE00-0AA0	800A	4	30kA	63kA	Lug
3KC0350-0RE00-0AA0	1000A	5	50kA	105kA	Lug
3KC0352-0RE00-0AA0	1250A	5	50kA	105kA	Lug
3KC0354-0RE00-0AA0	1600A	5	50kA	105kA	Lug

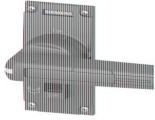
4 POLE / 4 POLE					
3KC0422-2ME00-0AA0	32A	1	3kA	7kA	Box
3KC0426-2ME00-0AA0	63A	1	3kA	7kA	Box
3KC0428-2NE00-0AA0	80A	2	4kA	12kA	Lug
3KC0430-2NE00-0AA0	100A	2	4kA	12kA	Lug
3KC0434-2NE00-0AA0	160A	2	4kA	12kA	Lug
3KC0436-0PE00-0AA0	200A	3	13kA	26kA	Lug
3KC0438-0PE00-0AA0	250A	3	13kA	26kA	Lug
3KC0440-0PE00-0AA0	315A	3	13kA	26kA	Lug
3KC0442-0PE00-0AA0	400A	3	13kA	26kA	Lug
3KC0444-0QE00-0AA0	500A	4	30kA	63kA	Lug
3KC0446-0QE00-0AA0	630A	4	30kA	63kA	Lug
3KC0448-0QE00-0AA0	800A	4	30kA	63kA	Lug
3KC0450-0RE00-0AA0	1000A	5	50kA	105kA	Lug
3KC0452-0RE00-0AA0	1250A	5	50kA	105kA	Lug
3KC0454-0RE00-0AA0	1600A	5	50kA	105kA	Lug

Short-time withstand current (I_{cw}, 1 s, 415 V / 690 V) in compliance with IEC 60947-3

Short-circuit current making capacity (I_{cm}, 690 V) in compliance with IEC 60947-3

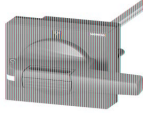
MANUAL TRANSFER SWITCHES 32-1600A (3KC) ACCESSORIES

Direct mount handles



PART NUMBER	SIZE	DESCRIPTION
3KC9201-3	1/2	Size 1/2 Direct Operating Handle for 3KC
3KC9301-1	3	Size 3 Direct Operating Handle for 3KC
3KC9401-1	4	Size 4 Direct Operating Handle for 3KC
3KC9501-1	5	Size 5 Direct Operating Handle for 3KC

Door mount handle kits with 300mm shaft



8UD1131-2AE21	1/2	Size 1 & 2 Rotary Door Operating Handle 8x8mm shaft
8UD1141-2AE21	3	Size 3 Rotary Door Operating Handle 8x8mm shaft
8UD1151-3AE21	4	Size 4 Rotary Door Operating Handle 10x10mm shaft
8UD1161-4AE21	5	Size 5 Rotary Door Operating Handle 12x12mm shaft

Auxiliary contacts



3KD9103-5	1/2	S1/2 Aux Switch holder up to 2 switches
3KD9103-1	1/2	Auxiliary Switch 1 C/O to go with holder (50cm Cables)
3SU1400-1AA10-1FA0	3-5	Auxiliary contact 1 NO+1 NC (no holder required)

Note

The auxiliary switches indicate the switch position of the respective switch disconnecter (I or II) to which they or the auxiliary switch module are connected.

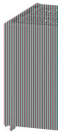
Two auxiliary switches in total are required for each item of transfer switching equipment in order to be able to distinguish between all switching positions (I, O, II). In the case of transfer switching equipment sizes 1 and 2, two auxiliary switch modules must be mounted on the transfer switching equipment, one on the left and one on the right.

At least one auxiliary switch must be installed for each auxiliary switch module.

In the case of transfer switching equipment sizes 3 to 5, the two auxiliary switches only need to be mounted in different rows on the underside of the transfer switching equipment, one auxiliary switch at switch disconnecter I and one at switch disconnecter II.

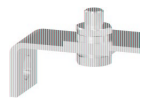
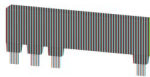


Terminal covers



3KF9304-6	3	Standard Cover 6 Units for 3 Pole Switch
3KD9404-6	4	Standard Cover 6 Units for 3 Pole Switch
3KD9504-6	5	Standard Cover 6 Units for 3 Pole Switch
3KF9304-8	3	Standard Cover 8 Units for 4 Pole Switch
3KD9404-8	4	Standard Cover 8 Units for 4 Pole Switch
3KD9504-8	5	Standard Cover 8 Units for 4 Pole Switch

Bridging bars



3KC9118-1	1	Bridging Bar for Size 1 - 3 Pole (1 required)
3KC9118-2	1	Bridging Bar for Size 1 - 4 Pole (1 required)
3KC9218-1	2	Bridging Bar for Size 2 - 3 Pole (1 required)
3KC9218-2	2	Bridging Bar for Size 2 - 4 Pole (1 required)
3KC9318-0	3	Bridging Bar for Size 3, 1 Pole only (3 required for 3 Pole)
3KC9418-0	4	Bridging Bar for Size 4, 1 Pole only (3 required for 3 Pole)
3KC9518-0	5	Bridging Bar for Size 5, 1 Pole only (3 required for 3 Pole)

REMOTE (RTSE) AND AUTOMATIC (ATSE) TRANSFER SWITCHING EQUIPMENT

The 3KC transfer switching equipment offers reliable switchover between two current sources.

Remote transfer switching equipment (RTSE) 3KC3 3KC4

Remote transfer switching equipment is used wherever automatic remote switching is required, but there is already a separate controller (e.g. ATC6300 controller) in the plant. Remote transfer switching equipment consists of two switch disconnectors fused into one, forming an intrinsic electrical interlock.

Automatic transfer switching equipment (ATSE) 3KC6 3KC8

Automatic transfer switching equipment with motorized operating mechanisms and internal controllers are used as complete devices wherever automatic remote switching is required and a separate controller is not available. 3KC automatic transfer switching equipment is approved in compliance with IEC 60947-6-1.

FUNCTION	3KC3	3KC6	3KC4	3KC8
Remotely operated transfer switching (RTSE)	✓	-	✓	-
Automatic transfer switching (ATSE)	-	✓	-	✓
Load transfer switching (between two loads)	✓	-	-	-
Network / network applications	✓ 1)	✓	✓	✓
Generator/generator applications	✓ 1)	-	✓ 1)	-
Network / generator applications	✓ 1)	-	✓ 1)	✓
External power supply	✓	-	✓	-
Internal power supply	-	✓	-	✓
Manual operation of positions I, 0 and II	✓	✓	✓	✓
Remotely operated electrical actuation of positions I, 0 and II	✓	-	✓	✓
Monitoring of phase sequence in sources I and II	-	-	-	✓
Monitoring of voltage and frequency in sources I and II	-	✓	-	✓
Configuration of control unit using potentiometer and DIP switch	-	✓	-	✓
Setting of operating voltage and frequency, voltage threshold, frequency threshold	-	✓	-	✓ 2)
Operation with or without priority	-	✓	✓	✓
Selection of the prioritized source	-	✓	-	✓
Adjustable switching time	-	✓	-	✓
Actuation mode: impulse or continuous operation logic	✓	-	✓	✓
Actual switch position visible in two places	✓	✓	✓	✓
LED display for source availability, automatic mode, fault indication	-	✓	-	✓
Display of source availability (via output)	-	✓	-	-
Inhibiting of automatic mode (via inputs)	-	✓	-	✓
Actuation of position 0 (via inputs)	✓	✓	✓	✓
Power supply via 2 inputs (internal dual power supply)	-	✓	-	✓
Test on-load (network/generator application) (via inputs)	-	-	-	✓
Test off-load (network/generator application) (via inputs)	-	-	-	✓

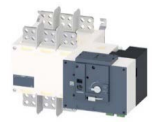
1) Possible with an appropriate, separate transfer control device

2) Self-configuration of voltage and frequency settings

REMOTE/AUTOMATIC TRANSFER SWITCHES 40-3200A

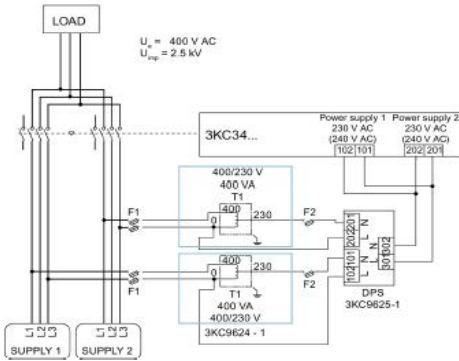
Remote transfer switch (controller required)

3KC3 and 4 suitable for network to network, generator to generator, network to generator applications

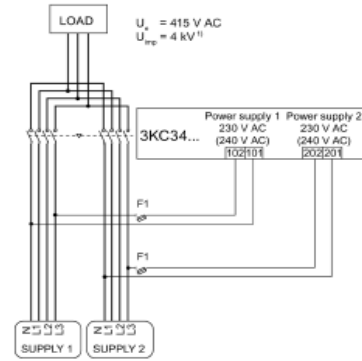


CURRENT RATING	PART NUMBER (3 POLE)	PART NUMBER (4 POLE)	TERMINALS
40A	-	3KC3424-2AA22-0AA3	Box
63A	-	3KC3426-2AA22-0AA3	Box
80A	-	3KC3428-2AA22-0AA3	Box
100A	-	3KC3430-2AA22-0AA3	Box
125A	-	3KC3432-2AA22-0AA3	Box
160A	-	3KC3434-2AA22-0AA3	Box
250A	3KC4338-0CA21-0AA3	3KC4438-0CA21-0AA3	Lug
400A	3KC4342-0DA21-0AA3	3KC4442-0DA21-0AA3	Lug
630A	3KC4346-0EA21-0AA3	3KC4446-0EA21-0AA3	Lug
800A	3KC4348-0FA21-0AA3	3KC4448-0FA21-0AA3	Lug
1000A	3KC4350-0FA21-0AA3	3KC4450-0FA21-0AA3	Lug
1250A	3KC4352-0GA21-0AA3	3KC4452-0GA21-0AA3	Lug
1600A	3KC4354-0HA21-0AA3	3KC4454-0HA21-0AA3	Lug
2000A	3KC4356-0JA21-0AA3	3KC4456-0JA21-0AA3	Lug
2500A	3KC4358-0JA21-0AA3	3KC4458-0JA21-0AA3	Lug
3200A	3KC4360-0JA21-0AA3	3KC4460-0JA21-0AA3	Lug

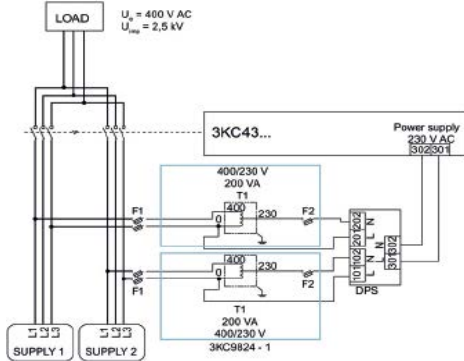
Three-phase 3-wire network without neutral for the 3KC3



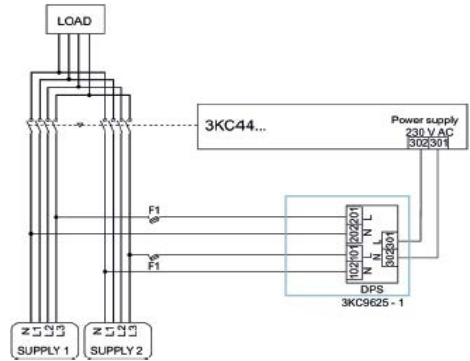
Three-phase 4-wire network with neutral for 3KC3



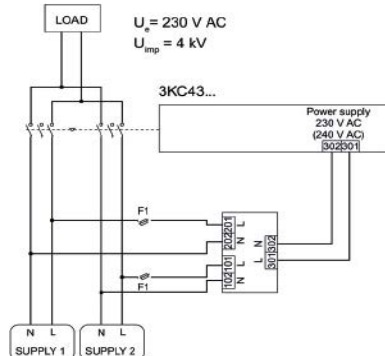
Three-phase 3-wire network without neutral for the 3KC4



Three-phase 4-wire network with neutral for the 3KC44



Single-phase network for 3KC4

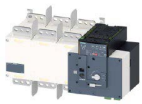


AUTOMATIC TRANSFER SWITCHES 40-3200A (ATSE)

Automatic transfer switch (integrated controller)

| 3KC6 suitable for network to network applications only (no generator start function)

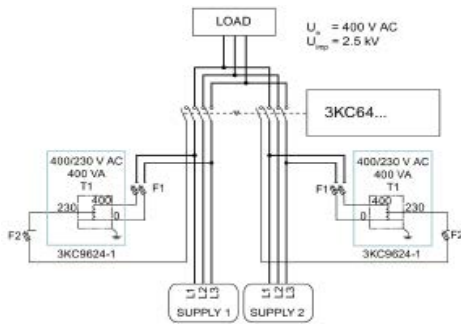
| 3KC8 suitable for network to network and network to generator applications



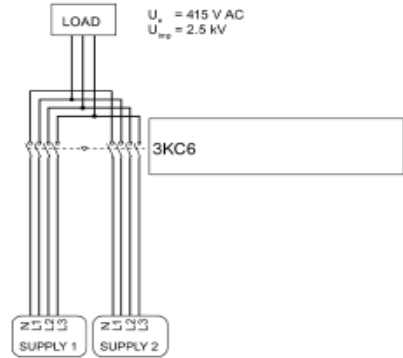
CURRENT RATING	PART NUMBER (3 POLE)	PART NUMBER (4 POLE)	TERMINALS
40A	-	3KC6424-2TA20-0TA3	Box
63A	-	3KC6426-2TA20-0TA3	Box
80A	-	3KC6428-2TA20-0TA3	Box
100A	-	3KC6430-2TA20-0TA3	Box
125A	-	3KC6432-2TA20-0TA3	Box
160A	-	3KC6434-2TA20-0TA3	Box
250A	3KC8338-0CA22-0GA3	3KC8438-0CA22-0GA3	Lug
400A	3KC8342-0DA22-0GA3	3KC8442-0DA22-0GA3	Lug
630A	3KC8346-0EA22-0GA3	3KC8446-0EA22-0GA3	Lug
800A	3KC8348-0FA22-0GA3	3KC8448-0FA22-0GA3	Lug
1000A	3KC8350-0FA22-0GA3	3KC8450-0FA22-0GA3	Lug
1250A	3KC8352-0GA22-0GA3	3KC8452-0GA22-0GA3	Lug
16000A	3KC8354-0HA22-0GA3	3KC8454-0HA22-0GA3	Lug
2000A	3KC8356-0JA22-0GA3	3KC8456-0JA22-0GA3	Lug
2500A	3KC8358-0JA22-0GA3	3KC8458-0JA22-0GA3	Lug
3200A	3KC8360-0JA22-0GA3	3KC8460-0JA22-0GA3	Lug

Note: When using a 3 Pole transfer switch and there is no neutral available you require two autotransformers for supply sensing and control voltage supply.

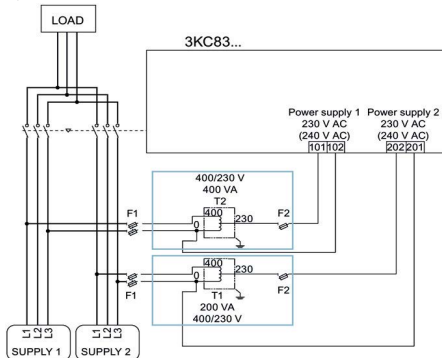
Three-phase 3-wire network without neutral for 3KC6



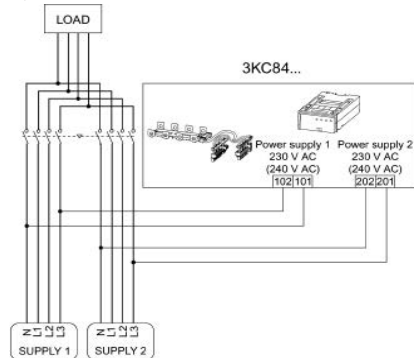
Three-phase 4-wire network with neutral for 3KC6



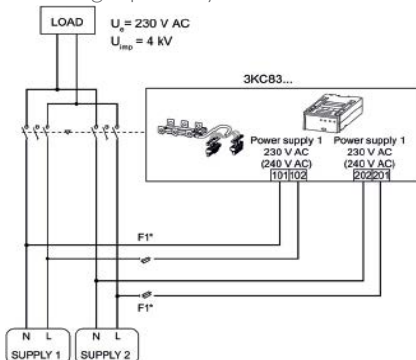
Three-phase 3-wire network without neutral for 3KC8



Three-phase 4-wire network with neutral for 3KC8

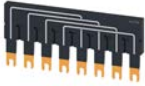


Single-phase system for 3KC8



ACCESSORIES FOR AUTOMATIC TRANSFER SWITCHES - 3KC

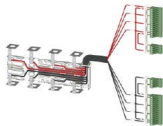
Bridging bars



CURRENT RATING	PART NUMBER	DESCRIPTION
40 -125A	3KC9618-2	Bridging bar for 40 to 125A
160A	3KC9618-3	Bridging bar for 160A
250A	3KC9818-2	Bridging bar for 250A for 1 Pole
400A	3KC9818-3	Bridging bar for 400A for 1 Pole
630A	3KC9818-4	Bridging bar for 630A for 1 Pole
800 - 1000A	3KC9818-5	Bridging bar for 800 to 1000A for 1 Pole
1250A	3KC9818-6	Bridging bar for 1250A for 1 Pole
1600A	3KC9818-7	Bridging bar for 1600A for 1 Pole
2000 - 3000A	3KC9818-8	Bridging bar for 2000 to 3000A for 1 Pole

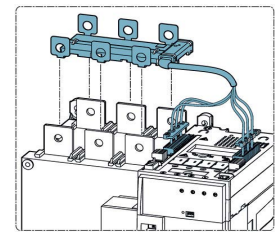
Power supply and voltage sensing cables

For **3 Pole** applications, with power supply to suit 3KC8 ATSE



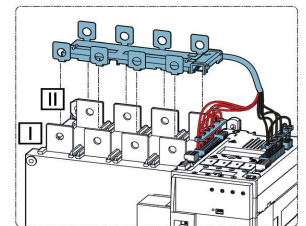
CURRENT RATING	PART NUMBER	
	Infeed from below	Infeed from above
250A	3KC9822-1	3KC9832-1
400A	3KC9822-2	3KC9832-2
630A	3KC9822-3	3KC9832-3
800 - 1000A	3KC9822-4	3KC9832-4
1250A	3KC9822-5	3KC9832-5
1600A	3KC9822-6	3KC9832-6
2000 - 3000A	3KC9822-7	3KC9832-7

Infeed from above



For **4 Pole** applications, with power supply to suit 3KC8 ATSE

CURRENT RATING	PART NUMBER	
	INFEEED FROM BELOW	INFEEED FROM ABOVE
250A	3KC9830-1	3KC9831-1
400A	3KC9830-2	3KC9831-2
630A	3KC9830-3	3KC9831-3
800 - 1000A	3KC9830-4	3KC9831-4
1250A	3KC9830-5	3KC9831-5
1600A	3KC9830-6	3KC9831-6
2000 - 3000A	3KC9830-7	3KC9831-7



Autotransformers



CURRENT RATING	PART NUMBER	DESCRIPTION
40 -160A	3KC9624-1	Suits 3KC3 and 3KC6, 400 V to 230 V Transformer for Control Power
250 - 3200A	3KC9824-1	Suits 3KC4 and 3KC8, 400 V to 230 V Transformer for Control Power

Dual power supply

40-3200A	3KC9625-1	Suits 3KC4 and 3KC8, dual power supply for 230VAC Control Power
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External display



40-3200A	3KC9823-0	External Display for ATSE 250 - 3200A
40-3200A	3KC9823-2	Connection Cable

Auxiliary switches



40 - 160A	3KC9603-1	1 C/O for each for position 0, I, II
250 - 630A	3KC9803-1	Two leading C/O contact for position I, II
800 - 1600A	3KC9803-2	Two leading C/O contact for position I, II

Terminal covers



40 - 160A	3KC9604-2	4 Pole cover contains 2 units
250 - 400A	3KC9804-1	Cover contains 3 units one per Pole
630A	3KC9804-3	Cover contains 3 units one per Pole
250 - 400A	3KC9804-2	Cover contains 4 units one per Pole
630A	3KC9804-4	Cover contains 4 units one per Pole

FUSE SWITCHES SURFACE MOUNT 32-800A (3KF)

3 Pole fuse switch with no handle - for DIN fuses



PART NUMBER	RATED CURRENT	FRAME SIZE	DESCRIPTION
3KF1303-0LB11	32A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF1306-0LB11	63A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF1308-0LB11	80A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF2312-0LF11	125A	2	DIN Fuse Size 000 & 00, Flat Terminals, Handle Position Left
3KF2316-0LF11	160A	2	DIN Fuse Size 000 & 00, Flat Terminals, Handle Position Left
3KF3325-0LF11	250A	3	DIN Fuse Size 0 & 1, Flat Terminals, Handle Position Left
3KF4340-0LF11	400A	4	DIN Fuse Size 1 & 2, Flat Terminals, Handle Position Left
3KF5363-0LF11	630A	5	DIN Fuse Size 2 & 3, Flat Terminals, Handle Position Left
3KF5380-0LF11	800A	5	DIN Fuse Size 2 & 3, Flat Terminals, Handle Position Left

4 Pole fuse switch with no handle - for DIN fuses



3KF1403-0LB11	32A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF1406-0LB11	63A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF1408-0LB11	80A	1	DIN Fuse Size 000, Box Terminals, Handle Position Left
3KF2412-0LF11	125A	2	DIN Fuse Size 000 & 00, Flat Terminals, Handle Position Left
3KF2416-0LF11	160A	2	DIN Fuse Size 000 & 00, Flat Terminals, Handle Position Left
3KF3425-0LF11	250A	3	DIN Fuse Size 0 & 1, Flat Terminals, Handle Position Left
3KF4440-0LF11	400A	4	DIN Fuse Size 1 & 2, Flat Terminals, Handle Position Left
3KF5463-0LF11	630A	5	DIN Fuse Size 2 & 3, Flat Terminals, Handle Position Left
3KF5480-0LF11	800A	5	DIN Fuse Size 2 & 3, Flat Terminals, Handle Position Left

4th contact element



PART NUMBER	FRAME SIZE	DESCRIPTION
3KF9105-2AA00	1	4TH Contact Element, Switchable for Fuse 000, Box Terminals
3KF9106-8AA00	1	N/PE Terminal, Pemanent Jumper Box Terminals
3KF9205-0AA00	2	4TH Contact Element, Switchable for Fuse 000 & 00, Flat Terminals
3KF9206-7AA00	2	N/PE Terminal, Pemanent Jumper Flat Terminals
3KF9305-0AA00	3	4TH Contact Element, Switchable for Fuse 0 & 1, Flat Terminals
3KF9306-7AA00	3	N/PE Terminal, Pemanent Jumper Flat Terminals
3KF9405-0AA00	4	4TH Contact Element, Switchable for Fuse 1 & 2, Flat Terminals
3KF9406-7AA00	4	N/PE Terminal, Pemanent Jumper Flat Terminals
3KF9505-0AA00	5	4TH Contact Element, Switchable for Fuse 2 & 3, Flat Terminals
3KF9506-7AA00	5	N/PE Terminal, Pemanent Jumper Flat Terminals

Note: Does not include fuses.

ACCESSORIES - 3KF

Direct mount handles



PART NUMBER	FRAME SIZE	DESCRIPTION
3KF9101-1AA00	1	Direct Operating Handle for 3KF1
3KF9201-1AA00	2	Direct Operating Handle for 3KF2
3KF9301-1AA00	3	Direct Operating Handle for 3KF3
3KF9401-1AA00	4	Direct Operating Handle for 3KF4
3KF9501-1AA00	5	Direct Operating Handle for 3KF5

Door mount handle kits with 300mm shaft



8UD1171-2AF21	1	Rotary Door Operating Handle for 3KF1
8UD1141-2AF21	2	Rotary Door Operating Handle for 3KF2
8UD1141-3AF21	3	Rotary Door Operating Handle for 3KF3
8UD1151-3AF21	4	Rotary Door Operating Handle for 3KF4
8UD1161-4AF21	5	Rotary Door Operating Handle for 3KF5

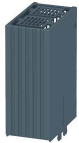
Note: Red/Yellow handles available, change AF21 to AF25 in part number.

Auxiliary contacts



3KD9103-5	1	S1/2 AUX Switch Holder Up To 2 Switches
3KD9103-2	1	Auxiliary Switch 1 C/O To Go With Holder
3SU1400-1AA10-1FA0	2-5	Auxiliary contact 1 NO+1 NC (no holder required)

Terminal covers



3KD9204-6	2	Standard Cover 6 Units for 3 Pole Switch
3KF9304-6	3	Standard Cover 6 Units for 3 Pole Switch
3KD9404-6	4	Standard Cover 6 Units for 3 Pole Switch
3KD9504-6	5	Standard Cover 6 Units for 3 Pole Switch
3KD9204-8	2	Standard Cover 8 Units for 4 Pole Switch
3KF9304-8	3	Standard Cover 8 Units for 4 Pole Switch
3KD9404-8	4	Standard Cover 8 Units for 4 Pole Switch
3KD9504-8	5	Standard Cover 8 Units for 4 Pole Switch

600mm Shaft



8UC6082	1/2	600mm Handle Shaft
8UC6083	3 & 4	600mm Handle Shaft
8UC6084	5	600mm Handle Shaft

A shaft jack is required for the 8UD1 handle when the 600 mm long shaft is used and for sizes 1 and 2



8UD1900-0FA00	1/2	Shaft jack for 8UD1 handle, for 3KF for shaft 600 mm
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FUSE HOLDERS AND FUSES

Cylindrical fuse holders DIN rail mount



PART NUMBER	IN	DESCRIPTION
3NW7013	32A	Single Pole 32A to take 10x38mm Cylindrical fuse
3NW7033	32A	Three Pole 32A to take 10x38mm Cylindrical fuse
3NW7063	32A	Three Pole and Neutral 32A to take 10x38mm Cylindrical fuse

Cylindrical fuse links, operational class gG



3NW6011-1	1A	Cylindrical fuse link, 10 x 38 mm, 1 A, gG, Un AC: 500 V
3NW6002-1	2A	Cylindrical fuse link, 10 x 38 mm, 2 A, gG, Un AC: 500 V
3NW6004-1	4A	Cylindrical fuse link, 10 x 38 mm, 4 A, gG, Un AC: 500 V
3NW6001-1	6A	Cylindrical fuse link, 10 x 38 mm, 6 A, gG, Un AC: 500 V
3NW6003-1	10A	Cylindrical fuse link, 10 x 38 mm, 10 A, gG, Un AC: 500 V
3NW6005-1	16A	Cylindrical fuse link, 10 x 38 mm, 16 A, gG, Un AC: 500 V
3NW6007-1	20A	Cylindrical fuse link, 10 x 38 mm, 20 A, gG, Un AC: 500 V
3NW6010-1	25A	Cylindrical fuse link, 10 x 38 mm, 25 A, gG, Un AC: 500 V
3NW6012-1	32A	Cylindrical fuse link, 10 x 38 mm, 32 A, gG, Un AC: 400 V

3NP Fuse Disconnects for DIN Style Fuses



3NP1123-1CA20	160A	Surface Mount, Fuse Size 000, Box Terminals
3NP1133-1BC10	160A	60mm Bus Bar Mount, Fuse Size 00, Flat Terminals
3NP1133-1CA10	160A	Surface Mount, Fuse Size 00, Flat Terminals
3NP1143-1BC10	250A	60mm Bus Bar Mount, Fuse Size 1, Flat Terminals
3NP1143-1DA10	250A	Surface Mount, Fuse Size 1, Flat Terminals
3NP1153-1BC10	400A	60mm Bus Bar Mount, Fuse Size 2, Flat Terminals
3NP1153-1DA10	400A	Surface Mount, Fuse Size 2, Flat Terminals
3NP1163-1DA10	630A	Surface Mount, Fuse Size 3, Flat Terminals

DIN Fuses with front indicator, operational class gG (for cable and line protection)



3NA3802	2A	DIN fuse link Size 000 500VAC/250VDC
3NA3804	4A	DIN fuse link Size 000 500VAC/250VDC
3NA3801	6A	DIN fuse link Size 000 500VAC/250VDC
3NA3803	10A	DIN fuse link Size 000 500VAC/250VDC
3NA3805	16A	DIN fuse link Size 000 500VAC/250VDC
3NA3807	20A	DIN fuse link Size 000 500VAC/250VDC
3NA3810	25A	DIN fuse link Size 000 500VAC/250VDC
3NA3812	32A	DIN fuse link Size 000 500VAC/250VDC
3NA3814	35A	DIN fuse link Size 000 500VAC/250VDC
3NA3817	40A	DIN fuse link Size 000 500VAC/250VDC
3NA3820	50A	DIN fuse link Size 000 500VAC/250VDC
3NA3822	63A	DIN fuse link Size 000 500VAC/250VDC
3NA3824	80A	DIN fuse link Size 000 500VAC/250VDC
3NA3830	100A	DIN fuse link Size 000 500VAC/250VDC
3NA3832	125A	DIN fuse link Size 00 500VAC/250VDC
3NA3836	160A	DIN fuse link Size 00 500VAC/250VDC
3NA3030	100A	DIN fuse link Size 0 500VAC/400VDC
3NA3032	125A	DIN fuse link Size 0 500VAC/400VDC
3NA3036	160A	DIN fuse link Size 0 500VAC/400VDC
3NA3140	200A	DIN fuse link Size 1 500VAC/400VDC
3NA3144	250A	DIN fuse link Size 1 500VAC/400VDC
3NA3250	300A	DIN fuse link Size 2 500VAC/400VDC
3NA3252	315A	DIN fuse link Size 2 500VAC/400VDC
3NA3254	355A	DIN fuse link Size 2 500VAC/400VDC
3NA3260	400A	DIN fuse link Size 2 500VAC/400VDC
3NA3362	425A	DIN fuse link Size 3 500VAC/400VDC
3NA3365	500A	DIN fuse link Size 3 500VAC/400VDC
3NA3372	630A	DIN fuse link Size 3 500VAC/400VDC



Supplied in packs of 3 - Price per 1 fuse

AIR CIRCUIT BREAKERS - 3WA

- | Three sizes with rated currents of 630 A to 6300 A for AC applications
- | Up to 2500 A in Size 1 frame, 4000A Size 2 and 6300A Size 3
- | Fixed and withdrawable in 3 and 4 pole available
- | A single electronic trip unit that meets all requirements - ETU600
- | Simple system access via USB-C/ COM190/ Wireless / Bluetooth
- | Rating Plug for In rating also determines LSI or LSIG
- | Communications capability as an option (Profinet, Modbus RTU & Modbus TCP)
- | Power measurement to IEC 61557-12 (same as a meter). Accuracy class 0.5 is achieved for the voltages, class 1 for the currents and class 2 for active energy and active power.
- | Improved endurance and operating cycles over the 3WL
- | Can be integrated in place of a 3WL with no further testing required (IEC 61439-1)
- | Software-supported testing - no external test devices required
- | Dynamic Arc Flash Sentry (DAS+) - Maintenance mode as standard
- | Power Monitoring Functionality (PMF) and metering functions upgradeable via software downloads

Build up your part number using the configurator link below.

<https://mall.industry.siemens.com/spicecad/3waconfig/#/spicecad/3waconfig/configurationArea>

Retro Fit and Installation Kits to replace existing ACBs with 3WA ACBs are available, contact your local APS office





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SIEMENS

INDUSTRIAL CONTROL PRODUCTS (SIRIUS)



CONTACTORS UP TO 450KW



KW	CURRENT A (AC3)	CURRENT A (AC1) @40 OC	AUXILIARY CONTACTS	PART NUMBER SCREW TERMINAL	PART NUMBER SPRING TERMINAL	CONTROL SUPPLY
Size 00						
3	7	18	1NO	3RT2015-1A.01	3RT2015-2A.01	AC
4	9	22	1NO	3RT2016-1A.01	3RT2016-2A.01	AC
5.5	12	22	1NO	3RT2017-1A.01	3RT2017-2A.01	AC
7.5	16	22	1NO	3RT2018-1A.01	3RT2018-2A.01	AC
3	7	18	1NO	3RT2015-1B.41	3RT2015-2B.41	DC
4	9	22	1NO	3RT2016-1B.41	3RT2016-2B.41	DC
5.5	12	22	1NO	3RT2017-1B.41	3RT2017-2B.41	DC
7.5	16	22	1NO	3RT2018-1B.41	3RT2018-2B.41	DC
4	9	22	1NO	3RT2016-1B.41	3RT2016-2B.41	DC

Note: 1NC available, change last digit from 1 to 2.



Size 0						
4	9	40	1NO+1NC	3RT2023-1A.00	3RT2023-2A.00	AC
5.5	12	40	1NO+1NC	3RT2024-1A.00	3RT2024-2A.00	AC
7.5	16	40	1NO+1NC	3RT2025-1A.00	3RT2025-2A.00	AC
11	25	40	1NO+1NC	3RT2026-1A.00	3RT2026-2A.00	AC
15	32	50	1NO+1NC	3RT2027-1A.00	3RT2027-2A.00	AC
18.5	38	50	1NO+1NC	3RT2028-1A.00	3RT2028-2A.00	AC
4	9	40	1NO+1NC	3RT2023-1B.40	3RT2023-2B.40	DC
5.5	12	40	1NO+1NC	3RT2024-1B.40	3RT2024-2B.40	DC
7.5	16	40	1NO+1NC	3RT2025-1B.40	3RT2025-2B.40	DC
11	25	40	1NO+1NC	3RT2026-1B.40	3RT2026-2B.40	DC
15	32	50	1NO+1NC	3RT2027-1B.40	3RT2027-2B.40	DC
18.5	38	50	1NO+1NC	3RT2028-1B.40	3RT2028-2B.40	DC



KW	CURRENT A (AC3)	CURRENT A (AC1) @40 OC	AUXILIARY CONTACTS	PART NUMBER SCREW TERMINAL	CONTROL SUPPLY
Size 2					
18.5	40	60	1NO+1NC	3RT2035-1A.00	AC
22	51	70	1NO+1NC	3RT2036-1A.00	AC
30	65	80	1NO+1NC	3RT2037-1A.00	AC
37	80	90	1NO+1NC	3RT2038-1A.00	AC
18.5	40	60	1NO+1NC	3RT2035-1N.30	AC/DC
22	51	70	1NO+1NC	3RT2036-1N.30	AC/DC
30	65	80	1NO+1NC	3RT2037-1N.30	AC/DC
37	80	90	1NO+1NC	3RT2038-1N.30	AC/DC
18.5	40	60	1NO+1NC	3RT2035-1KB40*	24VDC
22	51	70	1NO+1NC	3RT2036-1KB40*	24VDC
30	65	80	1NO+1NC	3RT2037-1KB40*	24VDC
37	80	90	1NO+1NC	3RT2038-1KB40*	24VDC
Size 3					
37	80	125	1NO+1NC	3RT2045-1A.00	AC
45	95	130	1NO+1NC	3RT2046-1A.00	AC
55	110	130	1NO+1NC	3RT2047-1A.00	AC
37	80	125	1NO+1NC	3RT2045-1N.30	AC/DC
45	95	130	1NO+1NC	3RT2046-1N.30	AC/DC
55	110	130	1NO+1NC	3RT2047-1N.30	AC/DC
37	80	125	1NO+1NC	3RT2045-1KB40*	24VDC
45	95	130	1NO+1NC	3RT2046-1KB40*	24VDC



Replace (.) with: B = 24V F=110V P=230V

V	24	110	220	230	400
AC	B	F	-	P	V
DC	B	F	M	P	-

Other voltages available on request.

* PLC Compatible

CONTACTORS UP TO 450KW

KW	CURRENT A (AC3)	CURRENT A (AC1) @40 OC	AUXILIARY CONTACTS	PART NUMBER	PART NUMBER
Size S6				AC/DC CONTROL	AC/DC CONTROL W/ 24VDC PLC IN
55	115	160	2NO + 2NC	3RT1054-6A.36	3RT1054-6N.36
75	150	185	2NO + 2NC	3RT1055-6A.36	3RT1055-6N.36
90	185	215	2NO + 2NC	3RT1056-6A.36	3RT1056-6N.36
Size S10					
110	225	275	2NO + 2NC	3RT1064-6A.36	3RT1064-6N.36
132	265	330	2NO + 2NC	3RT1065-6A.36	3RT1065-6N.36
160	300	330	2NO + 2NC	3RT1066-6A.36	3RT1066-6N.36
Size S12					
200	400	430	2NO + 2NC	3RT1075-6A.36	3RT1075-6N.36
250	500	610	2NO + 2NC	3RT1076-6A.36	3RT1076-6N.36

Replace (.) with: B = 24V F=110V P=230V

** NB = 24VAC/DC

V	24		110	230	400
AC/DC	B		F	P	V

Other voltages available on request.

Vacuum contactors 3TF68 & 69

335	630	700	4NO + 4NC	3TF6844-0C.7
450	820	910	4NO + 4NC	3TF6944-0C.7

Replace (.) with: F=110V M=230V

3RH contactor relays

CURRENT A (AC-15) @ 230VAC	AUXILIARY CONTACTS	PART NUMBER SCREW TERMINAL	PART NUMBER SPRING TERMINAL	CONTROL SUPPLY
10	2N/O + 2N/C	3RH2122-1A.00	3RH2122-2A.00	AC
10	3N/O + 1N/C	3RH2131-1A.00	3RH2131-2A.00	AC
10	4N/O	3RH2140-1A.00	3RH2140-2A.00	AC
10	2N/O + 2N/C	3RH2122-1B.40	3RH2122-2B.40	DC
10	3N/O + 1N/C	3RH2131-1B.40	3RH2131-2B.40	DC
10	4N/O	3RH2140-1B.40	3RH2140-2B.40	DC

Replace (.) with: B = 24V F=110V P=230V

V	24	48	110	125	220	230
AC	B		F		-	P
DC	B	W	F	G	M	P

Note: 3TH43 6A 10 Pole Contactor Relays available on an indent basis. These are available in 24VDC and 230VAC control and with a combination of 5 NO + 5 NC through to 10 NO + 0 NC.

CONTACTOR ACCESSORIES - 3RT

Front mount auxiliary contact blocks S00, S0, S2 & S3 (3RT201, 202 , 203 & 204)



PART NUMBER		DESCRIPTION	AUXILIARY CONTACTS
SCREW TERMINAL	SPRING TERMINAL		
3RH2911-1HA01	3RH2911-2HA01	Front mount with screw terminals	1N/C
3RH2911-1HA02	3RH2911-2HA02	Front mount with screw terminals	2N/C
3RH2911-1HA10	3RH2911-2HA10	Front mount with screw terminals	1N/O
3RH2911-1HA11	3RH2911-2HA11	Front mount with screw terminals	1N/O + 1N/C
3RH2911-1HA22	3RH2911-2HA22	Front mount with screw terminals	2N/O + 2N/C
3RH2911-1HA13	3RH2911-2HA13	Front mount with screw terminals	1N/O + 3N/C
3RH2911-1HA31	3RH2911-2HA31	Front mount with screw terminals	3N/O + 1N/C
3RH2911-1FA40	3RH2911-2FA40	Front mount with screw terminals	4N/O

Side mount auxiliary contact blocks S00 (3RT201)



3RH2911-1DA02	3RH2911-2DA02	Screw terminals, Right or Left side	2N/C
3RH2911-1DA11	3RH2911-2DA11	Screw terminals, Right or Left side	1N/O + 1N/C
3RH2911-1DA20	3RH2911-2DA20	Screw terminals, Right or Left side	2N/O

Side mount auxiliary contact blocks S0, S2 & S3 (3RT202 , 203 & 204)

3RH2921-1DA02	3RH2921-2DA02	Screw terminals, Right or Left side	2N/C
3RH2921-1DA11	3RH2921-2DA11	Screw terminals, Right or Left side	1N/O + 1N/C
3RH2921-1DA20	3RH2921-2DA20	Screw terminals, Right or Left side	2N/O

Front mount auxiliary contact blocks

For assembling contactor relays with 8 contacts



3RH2911-1GA22	3RH2911-2GA22	Front Mount Auxiliary Contact Block	2N/O + 2N/C
3RH2911-1GA13	3RH2911-2GA13	Front Mount Auxiliary Contact Block	1N/O + 3N/C
3RH2911-1GA31	3RH2911-2GA31	Front Mount Auxiliary Contact Block	3N/O + 1N/C
3RH2911-1GA40	3RH2911-2GA40	Front Mount Auxiliary Contact Block	4N/O
3RH2911-1GA04	3RH2911-2GA04	Front Mount Auxiliary Contact Block	4N/C

Note: 3RH2911-1GA Auxiliary contact blocks need to be used on 3RH2140 Relays.
Refer to Appendix H & I for selection guides.

Varistors



PART NUMBER	DESCRIPTION	VOLTAGE RANGE	
		VAC	VDC
Size 00			
3RT2916-1BB00	Varistor for 3RT2015 to 3RT2018	24...48	24...70
3RT2916-1BD00	Varistor for 3RT2015 to 3RT2018	127...240	150...250
Size 0			
3RT2926-1BB00	Varistor for 3RT2024 to 3RT2028	24...48	24...70
3RT2926-1BC00	Varistor for 3RT2024 to 3RT2028	48...127	70...150
3RT2926-1BD00	Varistor for 3RT2024 to 3RT2028	127...240	150...240
3RT2926-1BE00	Varistor for 3RT2024 to 3RT2028	240...400	
Size 2 & 3			
3RT2936-1BB00	Varistor for 3RT2035 to 3RT2038	24...48	24...70
3RT2936-1BC00	Varistor for 3RT2035 to 3RT2038	48...127	70...150
3RT2936-1BD00	Varistor for 3RT2035 to 3RT2038	127...240	150...240

3RT2936-1BE00	Varistor for 3RT2035 to 3RT2038	240...400	
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Reversing kits (includes mechanical interlocks, top & bottom wiring modules)



Screw Terminal	Spring Terminal	
3RA2913-2AA1	3RA2913-2AA2	Size 00 3TR201 Reversing assembly kit
3RA2923-2AA1	3RA2923-2AA2	Size 0 3TR202 Reversing assembly kit
3RA2933-2AA1*		Size 2 3TR203 Reversing assembly kit
3RA2943-2AA1*		Size 3 3TR204 Reversing assembly kit

*Mechanical interlock not included S2 & 3 (3RA2934-2B)

Mechanical interlocks



3RA2912-2H	Size 00 Mechanical Interlock & Connecting Clips
3RA2922-2H	Size 0 Mechanical Interlock & Connecting Clips
3RA2934-2B	Size 2 & 3 Mechanical Interlock
3RA2932-2D	Size 2 & 3 Connecting Clips (required with 3RA2934-2B)
3RA1954-2A	Size 6,10 & 12 Lateral mounting for contactors 3RT105 to 3RT107

Terminal covers for box terminals (2 required per device)



3RT2936-4EA2	To suit Size S2 Contactor
3RT2946-4EA2	To suit Size S3 Contactor
3RT1956-4EA2	To suit Size S6 Contactor
3RT1966-4EA2	To suit Size 10 and 12 Contactors

Terminal covers for cable lugs & busbar (2 required per device)



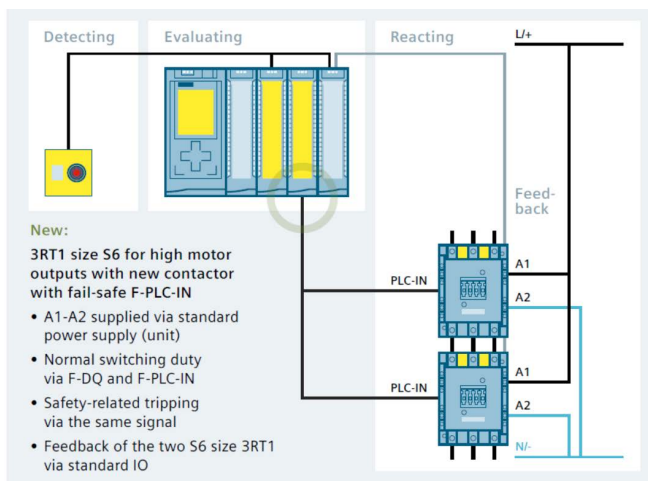
3RT1946-4EA1	To suit Size 3 Contactor
3RT1956-4EA1	To suit Size 6 Contactor
3RT1966-4EA1	To suit Size S10 and S12 Contactors

SAFETY CONTACTORS UP TO 250KW

KW	CURRENT A (AC3)	AUXILIARY CONTACTS	PART NUMBER 230VAC CONTROL	PART NUMBER 24VDC CONTROL
Size 00				
3	7	2NO+2NC	3RT2015-1CP04-3MA0	3RT2015-1FB44-3MA0
4	9	2NO+2NC	3RT2016-1CP04-3MA0	3RT2016-1FB44-3MA0
5.5	12	2NO+2NC	3RT2017-1CP04-3MA0	3RT2017-1FB44-3MA0
7.5	16	2NO+2NC	3RT2018-1CP04-3MA0	3RT2018-1FB44-3MA0
Size 0				
5.5	12	2NO+2NC	3RT2024-1CL24-3MA0	3RT2024-1FB44-3MA0
7.5	16	2NO+2NC	3RT2025-1CL24-3MA0	3RT2025-1FB44-3MA0
11	25	2NO+2NC	3RT2026-1CL24-3MA0	3RT2026-1FB44-3MA0
15	32	2NO+2NC	3RT2027-1CL24-3MA0	3RT2027-1FB44-3MA0
18.5	38	2NO+2NC	3RT2028-1CL24-3MA0	3RT2028-1FB44-3MA0
Size 2				
22	51	2NO+2NC	3RT2036-1CL24-3MA0	3RT2036-1NB34-3MA0
30	65	2NO+2NC	3RT2037-1CL24-3MA0	3RT2037-1NB34-3MA0
37	80	2NO+2NC	3RT2038-1CL24-3MA0	3RT2038-1NB34-3MA0
Size 3				
37	80	2NO+2NC	3RT2045-1CP04-3MA0	3RT2045-1NB34-3MA0
45	95	2NO+2NC	3RT2046-1CL24-3MA0	3RT2046-1NB34-3MA0
55	110	2NO+2NC	3RT2047-1CL24-3MA0	3RT2047-1NB34-3MA0
Size 6				
75	150	2NO+2NC	3RT1055-6AP36-3PA0	3RT1055-6SP36-3PA0*
90	185	2NO+2NC	3RT1056-6AP36-3PA0	3RT1056-6SP36-3PA0*
Size 10				
110	225	2NO+2NC	3RT1064-6AP36-3PA0	3RT1064-6SP36-3PA0*
132	265	2NO+2NC	3RT1065-6AP36-3PA0	3RT1065-6SP36-3PA0*
160	300	2NO+2NC	3RT1066-6AP36-3PA0	3RT1066-6SP36-3PA0*
Size 12				
200	400	2NO+2NC	3RT1075-6AP36-3PA0	3RT1075-6SP36-3PA0*
250	500	2NO+2NC	3RT1076-6AP36-3PA0	3RT1076-6SP36-3PA0*

Note: All contactors have surge suppression on the coils.
 * 230VAC required to coil (A1 A2) with 24VDC control jack

Sealing cover required on safety contactors size 6...12	3RT1926-4MA10
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CURRENT A (AC-15) @ 230VAC	AUXILIARY CONTACTS	PART NUMBER AC CONTROL	PART NUMBER 24DC CONTROL
6	4NO+4NC	3RH2244-1AP00	3RH2244-1BB40
6	6NO+2NC	3RH2262-1AP00	3RH2262-1BB40

MOTOR CIRCUIT BREAKERS - 3RV20 THERMAL MAGNETIC

Thermal magnetic class 10

PART NUMBER		KW	RATED CURRENT I _n (A)	OVERLOAD SETTING (A)	INSTANTANEOUS RATING (A)	KA RATING
SCREW TERMINAL	SPRING TERMINAL					
Size 00						
3RV2011-0AA10	3RV2011-0AA20	0.04	0.2	0.11 - 0.16	2.1	100
3RV2011-0BA10	3RV2011-0BA20	0.06	0.2	0.14 - 0.2	2.6	100
3RV2011-0CA10	3RV2011-0CA20	0.06	0.3	0.18 - 0.25	3.3	100
3RV2011-0DA10	3RV2011-0DA20	0.09	0.3	0.22 - 0.32	4.2	100
3RV2011-0EA10	3RV2011-0EA20	0.09	0.4	0.28 - 0.4	5.2	100
3RV2011-0FA10	3RV2011-0FA20	0.12	0.5	0.35 - 0.5	6.5	100
3RV2011-0GA10	3RV2011-0GA20	0.18	0.6	0.45 - 0.63	8.2	100
3RV2011-0HA10	3RV2011-0HA20	0.18	0.8	0.55 - 0.8	10	100
3RV2011-0JA10	3RV2011-0JA20	0.25	1	0.7 - 1	13	100
3RV2011-0KA10	3RV2011-0KA20	0.37	1.3	0.9 - 1.25	16	100
3RV2011-1AA10	3RV2011-1AA20	0.55	1.6	1.1 - 1.6	21	100
3RV2011-1BA10	3RV2011-1BA20	0.75	2	1.4 - 2	26	100
3RV2011-1CA10	3RV2011-1CA20	0.75	2.5	1.8 - 2.5	33	100
3RV2011-1DA10	3RV2011-1DA20	1.1	3.2	2.2 - 3.2	42	100
3RV2011-1EA10	3RV2011-1EA20	1.5	4	2.8 - 4	52	100
3RV2011-1FA10	3RV2011-1FA20	1.5	5	3.5 - 5	65	100
3RV2011-1GA10	3RV2011-1GA20	2.2	6.3	4.5 - 6.3	82	100
3RV2011-1HA10	3RV2011-1HA20	3	8	5.5 - 8	104	100
3RV2011-1JA10	3RV2011-1JA20	4	10	7 - 10	130	100
3RV2011-1KA10	3RV2011-1KA20	5.5	12.5	9 - 12.5	163	100
3RV2011-4AA10	3RV2011-4AA20	7.5	16	11 - 16	208	55
Size 0						
3RV2021-1AA10	3RV2021-1AA20	0.55	1.6	1.1 - 1.6	21	100
3RV2021-1BA10	3RV2021-1BA20	0.75	2	1.4 - 2	26	100
3RV2021-1CA10	3RV2021-1CA20	0.75	2.5	1.8 - 2.5	33	100
3RV2021-1DA10	3RV2021-1DA20	1.1	3.2	2.2 - 3.2	42	100
3RV2021-1EA10	3RV2021-1EA20	1.5	4	2.8 - 4	52	100
3RV2021-1FA10	3RV2021-1FA20	1.5	5	3.5 - 5	65	100
3RV2021-1GA10	3RV2021-1GA20	2.2	6.3	4.5 - 6.3	82	100
3RV2021-1HA10	3RV2021-1HA20	3	8	5.5 - 8	104	100
3RV2021-1JA10	3RV2021-1JA20	4	10	7 - 10	130	100
3RV2021-1KA10	3RV2021-1KA20	5.5	12.5	9 - 12.5	163	100
3RV2021-4AA10	3RV2021-4AA20	7.5	16	11 - 16	208	55
3RV2021-4BA10	3RV2021-4BA20	7.5	20	13 - 20	260	55
3RV2021-4CA10	3RV2021-4CA20	11	22	17 - 22	286	55
3RV2021-4DA10	3RV2021-4DA20	11	25	20 - 25	325	55
3RV2021-4NA10	3RV2021-4NA20	15	28	23 - 28	364	55
3RV2021-4EA10	3RV2021-4EA20	15	32	27 - 32	400	55
3RV2021-4PA10		18.5	36	30 - 36	432	20
3RV2021-4FA10		18.5	40	34 - 40	480	20
PART NUMBER		KW	RATED CURRENT I _n (A)	OVERLOAD SETTING (A)	INSTANTANEOUS RATING (A)	KA RATING
SCREW TERMINAL						
Size 2						
3RV2031-4EA10		15.0	32	22 - 32	416	65
3RV2031-4PA10		18.5	36	28 - 36	520	65
3RV2031-4UA10		18.5	40	32 - 40	585	65
3RV2031-4VA10		22	45	35 - 45	650	65
3RV2031-4WA10		22	52	42 - 52	741	65
3RV2031-4XA10		30	59	49 - 59	845	65
3RV2031-4JA10		30	65	54 - 65	845	65
3RV2031-4KA10		37	73	62 - 73	949	65
Size 3						
3RV2041-4JA10		30	63	45 - 63	819	65
3RV2041-4KA10		37	75	57 - 75	975	65
3RV2041-4RA10		45	84	65 - 84	1170	65
3RV2041-4YA10		45	93	75 - 93	1300	65
3RV2041-4MA10		45/55	100	80 - 100	1300	65



MOTOR CIRCUIT BREAKERS - 3RV23 MAGNETIC ONLY

Magnetic only for starter combinations



PART NUMBER		KW	RATED CURRENT In (A)	OVERLOAD SETTING (A)	KA RATING
SCREW TERMINAL	SPRING TERMINAL				
Size 00					
3RV2311-0JC10	3RV2311-0JC20	0.3	1	13	100
3RV2311-0KC10	3RV2311-0KC20	0.4	1.3	16	100
3RV2311-1AC10	3RV2311-1AC20	0.6	1.6	21	100
3RV2311-1BC10	3RV2311-1BC20	0.8	2	26	100
3RV2311-1CC10	3RV2311-1CC20	0.8	2.5	33	100
3RV2311-1DC10	3RV2311-1DC20	1.1	3.2	42	100
3RV2311-1EC10	3RV2311-1EC20	1.5	4	52	100
3RV2311-1FC10	3RV2311-1FC20	1.5	5	65	100
3RV2311-1GC10	3RV2311-1GC20	2.2	6.3	82	100
3RV2311-1HC10	3RV2311-1HC20	3	8	104	100
3RV2311-1JC10	3RV2311-1JC20	4	10	130	100
3RV2311-1KC10	3RV2311-1KC20	5.5	12.5	163	100
3RV2311-4AC10	3RV2311-4AC20	7.5	16	208	55
Size 0					
3RV2321-1GC10	3RV2321-1GC20	2.2	6.3	82	100
3RV2321-1HC10	3RV2321-1HC20	3	8	104	100
3RV2321-1JC10	3RV2321-1JC20	4	10	130	100
3RV2321-1KC10	3RV2321-1KC20	5.5	12.5	163	100
3RV2321-4AC10	3RV2321-4AC20	7.5	16	208	55
3RV2321-4BC10	3RV2321-4BC20	7.5	20	260	55
3RV2321-4CC10	3RV2321-4CC20	11	22	286	55
3RV2321-4DC10	3RV2321-4DC20	11	25	325	55
3RV2321-4NC10	3RV2321-4NC20	15	28	364	55
3RV2321-4EC10	3RV2321-4EC20	15	32	400	55
3RV2321-4PC10		18.5	36	432	20
3RV2321-4FC10		18.5	40	480	20
PART NUMBER		KW	RATED CURRENT In (A)	OVERLOAD SETTING (A)	KA RATING
SCREW TERMINAL	SPRING TERMINAL				
Size 2					
	3RV2331-4EC10	15.0	32	416	65
	3RV2331-4UC10	18.5	40	585	65
	3RV2331-4VC10	22	45	650	65
	3RV2331-4WC10	22	52	741	65
Size 3					
	3RV2341-4FC10	19	40	520	65
	3RV2341-4HC10	22	50	650	65
	3RV2341-4JC10	30	63	819	65
	3RV2341-4KC10	37	75	975	65
	3RV2341-4RC10	45	84	1170	65
	3RV2341-4YC10	45	93	1300	65
	3RV2341-4MC10	45/55	100	1300	65

MOTOR CIRCUIT BREAKERS WITH INCREASED SWITCHING CAPACITY - 3RV

Thermal magnetic class 10



PART NUMBER	KW	RATED CURRENT I _n (A)	OVERLOAD SETTING (A)	INSTANTANEOUS RATING (A)	KA RATING
Size S2, with increased switching capacity					
3RV2032-4EA10	15	32	22 - 32	416	100
3RV2032-4PA10	18.5	36	28 - 36	520	100
3RV2032-4UA10	18.5	40	32 - 40	585	100
3RV2032-4VA10	22	45	35 - 45	650	100
3RV2032-4WA10	22	52	42 - 52	741	100
3RV2032-4XA10	30	59	49 - 59	845	100
3RV2032-4JA10	30	65	54 - 65	845	100
3RV2032-4KA10	37	73	62 - 73	949	100
Size S3, with increased switching capacity					
3RV2042-4FB10	18.5	40	28 - 40	520	100
3RV2042-4HB10	22	50	36 - 50	650	100
3RV2042-4JB10	30	63	45 - 63	819	100
3RV2042-4KB10	37	75	57 - 75	975	100
3RV2042-4RB10	45	84	65 - 84	1170	100
3RV2042-4YB10	45	93	75 - 93	1300	100
3RV2042-4MB10	45/55	100	80 - 100	1300	100

Magnetic only



PART NUMBER	KW	RATED CURRENT I _n (A)	INSTANTANEOUS RATING (A)	KA RATING
Size 2, with increased switching capacity				
3RV2332-4SC10	5.5	14	416	100
3RV2332-4TC10	7.5	17	520	100
3RV2332-4BC10	7.5	20	585	100
3RV2332-4DC10	11	25	650	100
3RV2332-4EC10	15	32	741	100
3RV2332-4PC10	18.5	36	845	100
3RV2332-4VC10	22	45	845	100
3RV2332-4JC10	30	65	949	100
Size S3, with increased switching capacity				
3RV2342-4FC10	18.5	40	520	100
3RV2342-4HC10	22	50	650	100
3RV2342-4JC10	30	63	819	100
3RV2342-4KC10	37	75	975	100
3RV2342-4RC10	45	84	1170	100
3RV2342-4YC10	45	93	1300	100
3RV2342-4MC10	45/55	100	1300	100

MOTOR CIRCUIT BREAKERS ACCESSORIES

3RV2 accessories to suit size 00 to 3



PART NUMBER		DESCRIPTION
SCREW TERMINAL	SPRING TERMINAL	
3RV2901-1E	3RV2901-2E	Transverse (Front Mount) Auxiliary Switch 1NO+1NC
3RV2901-1A	3RV2901-2A	Lateral (Side Mount) Auxiliary Switch 1NO+1NC
3RV2921-1M	3RV2921-2M	Alarm (separate tripped & short circuit) 1NO+1NC Will not work on Size S3
3RV2902-1DB0	3RV2902-2DB0	Shunt Release 24V AC/DC
3RV2902-1DPO	3RV2902-2DPO	Shunt Release 230VAC
3RV2902-1AB4		Under Voltage Release 24VDC
3RV2902-1APO	3RV2902-2APO	Under Voltage Release 230VAC
3RV2902-1AV0	3RV2902-2AV0	Under Voltage Release 400V

Door coupling rotary handles suits 3RV2



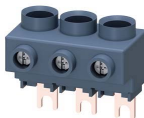
Normal Duty	
3RV2926-1B	Normal Duty (130mm shaft), Size 00 to 3
3RV2926-1K	Normal Duty (330mm shaft), Size 00 to 3
3RV2926-1C	Emergency Off Normal Duty (130mm shaft), Size 00 to 3
3RV2926-1L	Emergency Off Normal Duty (330mm shaft), Size 00 to 3
Heavy Duty	
3RV2926-3B	Heavy Duty Size S00 & S0
3RV2936-3B	Heavy Duty Size S2
3RV2946-3B	Heavy Duty Size S3
3RV2926-3C	Emergency Off Heavy Duty Size S00 & S0
3RV2936-3C	Emergency Off Heavy Duty Size S2
3RV2946-3C	Emergency Off Heavy Duty Size S3



Link module suits 3RV2 MSP to 3RT2 contactor

3RA1921-1DA00	Between S00 3RT2 Contactor (AC/DC Coil) & S00/0 3RV2 MSP
3RA2921-1AA00	Between S0 3RT2 Contactor (AC Coil) & S00/0 3RV2 MSP
3RA2921-1BA00	Between S0 3RT2 Contactor (DC Coil) & S00/0 3RV2 MSP
3RA2931-1AA00	Between S2 3RT2 Contactor (AC/DC Coil) & S2 3RV2 MSP
3RA1941-1AA00	Between S3 3RT2 Contactor (AC/DC Coil) & S3 3RV2 MSP
3RA2911-2AA00	Between S00 3RT2 Contactor (AC/DC Coil) & S00 3RV2 MSP
3RA2921-2AA00	Between S0 3RT2 Contactor (AC/DC Coil) & S0 3RV2 MSP
3RA2911-1CA00	Optional spacer for S0 spring terminal contactor

3 phase busbar system for 3RV



3RV2925-5AB	Feeder Terminal, Size S0 2.5 - 16mm sq cable
3RV2935-5A	Feeder Terminal, Size S2 2.5 - 50mm sq cable
3RV1915-1AB	45mm Spacing for 2 Starters, Size S00 / 0
3RV1915-1BB	45mm Spacing for 3 Starters, Size S00 / 0
3RV1915-1CB	45mm Spacing for 4 Starters, Size S00 / 0
3RV1915-1DB	45mm Spacing for 5 Starters, Size S00 / 0
3RV1915-2AB	55mm Spacing for 2 Starters, Size S00 / 0 with side mount auxiliary
3RV1915-2BB	55mm Spacing for 3 Starters, Size S00 / 0 with side mount auxiliary
3RV1915-2CB	55mm Spacing for 4 Starters, Size S00 / 0 with side mount auxiliary
3RV1915-2DB	55mm Spacing for 5 Starters, Size S00 / 0 with side mount auxiliary
3RV1935-1A	55mm Spacing for 2 Starters, Size S2
3RV1935-1B	55mm Spacing for 3 Starters, Size S2
3RV1935-1C	55mm Spacing for 4 Starters, Size S2

THERMAL OVERLOAD RELAYS (3RU2) TO SUIT 3RT2 CONTACTORS CLASS 10

Size S00 to suit 3RT20 1 contactor



PART NUMBER		KW AT 400V	THERMAL OVERLOAD RELEASE (A)
SCREW TERMINAL	SPRING TERMINAL		
3RU2116-0AB0	3RU2116-0ACO	0.04	0.11 - 0.16
3RU2116-0BB0	3RU2116-0BC0	0.06	0.14 - 0.2
3RU2116-0CB0	3RU2116-0CC0	0.06	0.18 - 0.25
3RU2116-0DB0	3RU2116-0DC0	0.09	0.22 - 0.32
3RU2116-0EB0	3RU2116-0EC0	0.09	0.28 - 0.4
3RU2116-0FB0	3RU2116-0FC0	0.12	0.35 - 0.5
3RU2116-0GB0	3RU2116-0GC0	0.18	0.45 - 0.63
3RU2116-0HB0	3RU2116-0HC0	0.18	0.55 - 0.8
3RU2116-0JB0	3RU2116-0JC0	0.25	0.7 - 1
3RU2116-0KB0	3RU2116-0KC0	0.37	0.9 - 1.25
3RU2116-1AB0	3RU2116-1ACO	0.55	1.1 - 1.6
3RU2116-1BB0	3RU2116-1BC0	0.75	1.4 - 2
3RU2116-1CB0	3RU2116-1CC0	0.75	1.8 - 2.5
3RU2116-1DB0	3RU2116-1DC0	1.1	2.2 - 3.2
3RU2116-1EB0	3RU2116-1EC0	1.1	2.8 - 4
3RU2116-1FB0	3RU2116-1FC0	1.5	3.5 - 5
3RU2116-1GB0	3RU2116-1GC0	2.2	4.5 - 6.3
3RU2116-1HB0	3RU2116-1HC0	3	5.5 - 8
3RU2116-1JB0	3RU2116-1JC0	4	7 - 10
3RU2116-1KB0	3RU2116-1KC0	5.5	9 - 12.5
3RU2116-4AB0	3RU2116-4ACO	7.5	11 - 16

Size S0 to suit 3RT20 2 contactor



3RU2126-1CB0	3RU2126-1CC0	0.75	1.8 - 2.5
3RU2126-1DB0	3RU2126-1DC0	1.1	2.2 - 3.2
3RU2126-1FB0	3RU2126-1FC0	1.5	3.5 - 5
3RU2126-1HB0	3RU2126-1HC0	3	5.5 - 8
3RU2126-1JB0	3RU2126-1JC0	4	7 - 10
3RU2126-1KB0	3RU2126-1KC0	5.50	9 - 12.5
3RU2126-4AB0	3RU2126-4ACO	7.5	11 - 16
3RU2126-4BB0	3RU2126-4BC0	7.5	14 - 20
3RU2126-4CB0	3RU2126-4CC0	11	17 - 22
3RU2126-4DB0	3RU2126-4DC0	11	18 - 25
3RU2126-4EB0	3RU2126-4EC0	15	27 - 32
3RU2126-4PB0	3RU2126-4PC0	15	30 - 36
3RU2126-4FB0	3RU2126-4FC0	18.5	34 - 40

Size S2 to suit 3RT20 3 contactor



3RU2136-4AB0		7.5	11 - 16
3RU2136-4BB0		7.5	14 - 20
3RU2136-4DB0		11	18 - 25
3RU2136-4EB0		15	22 - 32
3RU2136-4FB0		18.5	28 - 40
3RU2136-4GB0		22	36 - 45
3RU2136-4HB0		22	40 - 50
3RU2136-4QB0		30	47 - 57
3RU2136-4JB0		30	54 - 65
3RU2136-4KB0		37	62 - 73
3RU2136-4RB0		37	70 - 80

THERMAL OVERLOAD RELAYS (3RU2) AND ACCESSORIES TO SUIT 3RT2 CONTACTORS

Size S3 to suit 3RT20 4 contactor



PART NUMBER	KW AT 400V	THERMAL OVERLOAD RELEASE A
3RU2146-4FB0	18.5	28 - 40
3RU2146-4HB0	22	36 - 50
3RU2146-4JB0	30	45 - 63
3RU2146-4KB0	37	57 - 75
3RU2146-4LB0	45	70 - 90
3RU2146-4MB0	45	80 - 100

Accessories for 3RU2 and 3RB3



PART NUMBER	DESCRIPTION
3RU2916-3AA01	Mounting stand for 3RU2116...S00
3RU2926-3AA01	Mounting stand for 3RU2126...S0
3RU2936-3AA01	Mounting stand for 3RU2136...S2
3RU2946-3AA01	Mounting stand for 3RU2146...S3
3RU2900-1A	Resetting Plunger for 3RU2 S00/S3
3RB3980-0A	Resetting Plunger for 3RB3 S00/S3
3SU1900-0KG10-0AA0	Extension plunger for reset button
3SU1200-0FB10-0AA0	Pushbutton with extended stroke for reset
3RU2900-1B	Cable reset-400mm S00 - S3
3RU2900-1C	Cable reset-600mm S00 - S3
3RU1900-2AB71	Electrical reset module 24...30vac/dc for 3RU overloads
3RU1900-2AF71	Electrical reset module 110...127vac/dc for 3RU overloads
3RU1900-2AM71	Electrical reset module 220...250vac/dc for 3RU overloads

Note: Electrical reset modules are suitable for Sizes 00 to 3 3RU2 Overloads only.

For mechanical push button reset for 3RU2 and 3RB3 overloads, 3 items required:

3RU2

1. 3RU2900-1A
2. 3SU1900-0KG10-0AA0
3. 3SU1200-0FB10-0AA0

3RB3

1. 3RB3980-0A
2. 3SU1900-0KG10-0AA0
3. 3SU1200-0FB10-0AA0

ELECTRONIC OVERLOAD RELAYS (3RB) & ACCESSORIES CLASS 10

3RB30 Electronic overloads

- | Trip class 10
- | No remote reset
- | Manual and auto reset

3RB31 Electronic overloads

- | Trip class 5...30E selectable
- | Integrated elect. remote reset
- | Manual and auto reset
- | Internal ground fault

PART NUMBER		KW AT 400V	CURRENT SETTING (A)
3RB30 ELECTRONIC OVERLOADS	3RB31 ELECTRONIC OVERLOADS		

Size S00 to suit 3RT20 1 contactor



3RB3016-1RB0	3RB3113-4RB0	0.04 - 0.09	0.1 - 0.4
3RB3016-1NB0	3RB3113-4NB0	0.12 - 0.37	0.32 - 1.25
3RB3016-1PB0	3RB3113-4PB0	0.55 - 1.5	1 - 4
3RB3016-1SB0	3RB3113-4SB0	1.1 - 5.5	3 - 12
3RB3016-1TB0	3RB3113-4TB0	2.2 - 7.5	4 - 16

Size S0 to suit 3RT20 2 contactor



3RB3026-1RB0	3RB3123-4RB0	0.04 - 0.09	0.1 - 0.4
3RB3026-1NB0	3RB3123-4NB0	0.12 - 0.37	0.32 - 1.25
3RB3026-1PB0	3RB3123-4PB0	0.55 - 1.5	1 - 4
3RB3026-1SB0	3RB3123-4SB0	1.1 - 5.5	3 - 12
3RB3026-1QB0	3RB3123-4QB0	3 - 11	6 - 25
3RB3026-1VB0	3RB3123-4VB0	5.5 - 18.5	10 - 40

Size S2 to suit 3RT20 3 contactor



3RB3036-1UB0	3RB3133-4UB0	7.5 - 22	12.5 - 50
3RB3036-1WB0	3RB3133-4WB0	11 - 37	20 - 80
3RB3036-1UW1*	3RB3133-4UW1*	7.5 - 22	12.5 - 50
3RB3036-1WW1*	3RB3133-4WW1*	11 - 37	20 - 80

* Straight through CT

Size S3 to suit 3RT20 4 contactor



3RB3046-1UB0	3RB3143-4UB0	7.5 - 22	12.5 - 50
3RB3046-1XB0	3RB3143-4XB0	18.5 - 55	32 - 115
3RB3046-1UW1*	3RB3143-4UW1*	7.5 - 22	12.5 - 50
3RB3046-1XW1*	3RB3143-4XW1*	18.5 - 55	32 - 115

* Straight through CT

Size S6 stand alone



3RB2056-1FW2*	3RB2153-4FW2*	30 - 90	50 - 200
3RB2056-1FC2	3RB2153-4FC2	30 - 90	50 - 200

* Straight through

Size S10/12 stand alone



3RB2066-1GC2	3RB2163-4GC2	37 - 132	55 - 250
3RB2066-1MC2	3RB2163-4MC2	110 - 355	160 - 630

Accessories



PART NUMBER	DESCRIPTION
3RU2916-3AA01	Mounting stand for 3RU2116...S00
3RU2926-3AA01	Mounting stand for 3RU2126...S0
3RU2936-3AA01	Mounting stand for 3RU213 - S2
3RU2946-3AA01	Mounting stand for 3RU214 - S3
3RU3900-1Z	Resetting Plunger S00/S0, with Extended Button
3RU2900-1B	Cable reset-400mm S00 - S3
3RU2900-1C	Cable reset-600mm S00 - S3

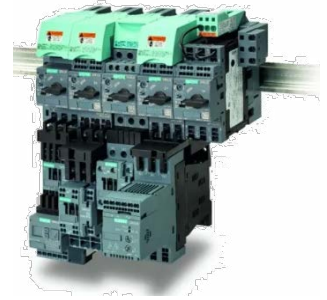
MOTOR STARTER INFEED SYSTEM - 3RV29

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 up to 18.5kW (40A) in size S00 and S0 circuit breakers and contactors.

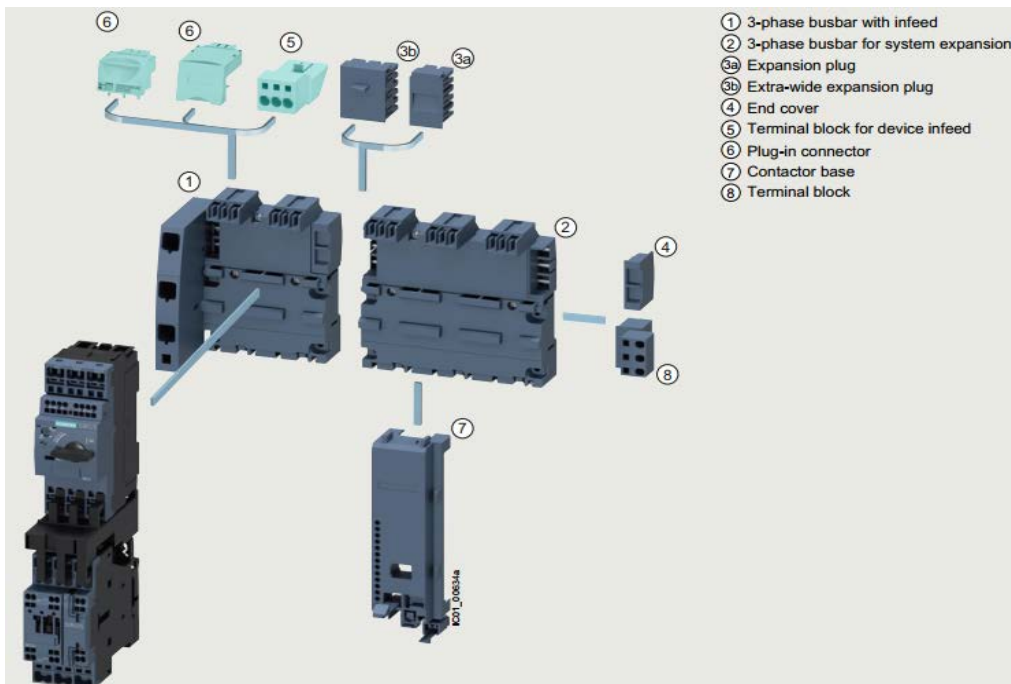
The modular combination of basic module and expansion module by means of expansion plug enables requirement-oriented expansion of the infeed system. The system is set up extremely easily and quickly thanks to simple plug-in mounting, and it enables fast and uncomplicated installation and replacement of load feeders.

Benefits at a glance

- | Time savings during installation thanks to simple plug-in technology
- | Flexibility in mountin and expansion
- | More free space in the control cabinet – thanks to compact design
- | Maximum current-carrying capacity of 63 A
- | Infeed optionally on the right or the left with up to 25 mm² conductor cross-section
- | High vibration-resistance, especially for switching devices with spring-loaded terminals
- | Reversing DOL starters can be accomodated.



PART NUMBER	DESCRIPTION	LEGEND
3RV2917-1A	3-Phase Busbar with Infeed on the left, for 2 of 3RV2 Size S00 or S0 DIN Rail mount. MAX CURRENT 63A. Dimensions - 110mm W x 129mm H x 87mm D	1
3RV2917-4A	3-Phase Busbar including extension connector (3a),for 2 of 3RV2 Size S00 or S0. Dimensions - 92mm W x 129mm H x 59mm D	2
3RV2917-4B	3-Phase Busbar including extension connector (3a),for 3 of 3RV2 Size S00 or S0. Dimensions - 137mm W x 129mm H x 59mm D	2
3RV2917-5AA00	Connector Size S00 Spring Connection. Connects between 3 phase busbar and 3RV2 MSP	6
3RV2927-5AA00	Connector Size S0 Spring Connection. Connects between 3 phase busbar and 3RV2 MSP	6
3RV2917-5CA00	Connector Size S00 Screw Connection. Connects between 3 phase busbar and 3RV2 MSP	6
3RV1927-5AA00	Connector Size S0 Screw Connection. Connects between 3 phase busbar and 3RV2 MSP	6
3RV2917-7AA00	Contactor base for Size 00 3RT2 contactors. Two can be mounted side by side for reversing combinations.	7
3RV2927-7AA00	Contactor base for Size 00 & 0 3RT2 contactors. Two can be mounted side by side for reversing combinations.	7
3RV2917-5FA00	Terminal block for connecting non 3RV2 devices to the base	5
3RV2917-5D	Teminal block for 6mm sq cable. Can be used to feed out to other components from the 3 phase busbar.	8
3RA2911-2AA00	Link Module S00 AC/DC 3RT2 Contactor to S00 3RV2 MSP Spring Clamp	-
3RA2921-2AA00	Link Module S0 DC 3RT2 Contactor to S0 3RV2 MSP Spring Clamp	-
3RA2921-2AA00	Link Module S0 AC 3RT2 Contactor to S0 3RV2 MSP Spring Clamp #	-
3RA2911-1CA00	# Optional height compensation spacer for size S0 AC Contactor	-



60 MM BUSBAR SYSTEMS 8US

Base assemblies up to 630 A



Busbar supports

End and intermediate holders for flat copper profiles 12 mm x 5 mm, 12 mm x 10 mm, 15 mm x 5 mm, 15 mm x 10 mm, 20 mm x 5 mm, 20 mm x 10 mm, 25 mm x 5 mm, 25 mm x 10 mm, 30 mm x 5 mm, 30 mm x 10 mm

PART NUMBER	DESCRIPTION	ARRANGEMENT
8US1923-1AA01	1-Pole, in addition for copper profiles 6 x 6 mm, mounting on 8US19 23-2AA01 3-Pole busbar supports or free standing	PE/N
8US1923-2AA01	3-Pole, with outside fixing	L1-L3
8US1923-3AA01	3-Pole, with inside fixing	L1-L3
9340000	3-Pole, with inside fixing Rittal	L1-L3
8US1923-4AA00	4-Pole, with inside fixing	L1-L3 + PE/N
8US1923-5AA00	2-Pole, with outside fixing	

End covers

8US1922-1AC00	For covering unterminated busbar ends For 8US19 23-2AA01 or 8US19 23-3AA01	L1-L3
9340070	For covering unterminated busbar ends Rittal	L1-L3
8US1922-1AB00	4-Pole, for 8US19 23-4AA00 (1 pack = 2 units, 1x right, 1x left)	L1-L3 + PE/N

Outgoing modules for PE/N

8US1200-0AA00	Connection module for 4-Pole (PE/N) up to 16 mm must be attached to an adapter/device holder	
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Infeed - terminal plate with cover

8US1921-1BA00	3-Pole 200 long, 54 wide	6-50mm sq Cable 300A
8US1921-1AA00	3-Pole 200 long, 81 wide	35-120mm sq Cable 400A
9342270	Cable adaptor, 250A, compact, 690VAC, 1000VDC - 1500VDC	
9342310	Cable/busbar adaptor, 800A, multi-piece, 690VAC, 1000VDC - 1500VDC	

Cover profiles for busbars

PART NUMBER	DESCRIPTION
8US1922-2CA00	12 x 5 mm 1000 mm long
8US1922-2AA00	20 x 5 mm, 1000mm long 25 x 5 mm, 30 x 5 mm 1000mm long
8US1922-2BA00	12 x 10 mm, 15 x 10 mm, 1000mm long 20 x 10 mm, 25 x 10 mm, 1000mm long 30 x 10 mm 1000mm long
9340210	Busbar Cover 3 Pole 1100mm long Pack of 2 Rittal
9340130	Base Tray 3 Pole 1100mm Long, Pack of 2 Rittal
9340220	Support Panel for Cover 3 Pole Pack of 5 Rittal

Items in green are Rittal products

60MM BUSBAR ADAPTORS FOR MOTOR STARTERS

PART NUMBER	DESCRIPTION
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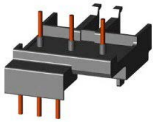
60mm busbar adaptor

8US12515DS10	"Busbar Adaptor, 25A, 200x45 with cables Suitable for Size 00/0 MSP & Size 00 contactor"
9340320	Busbar Adaptor, 25A, S00, 208x45 with cables (Rittal)
8US12515NT10	"Busbar Adaptor, 32A, 260x45 with cables Suitable for Size 00/0 MSP & Size 0 contactor"
9340390	Busbar Adaptor, 32A, S0, 237x45 with cables (Rittal)

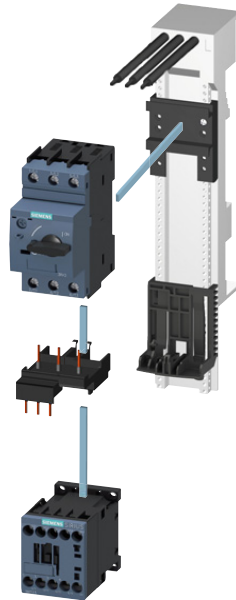


Link module

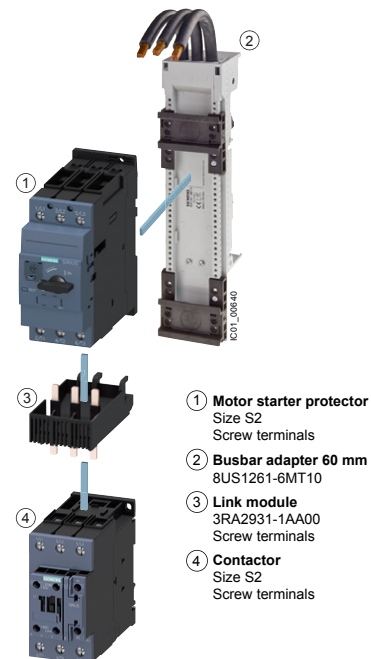
3RA1921-1DA00	Link module Size 00 Circuit Breaker & Contactor (AC/DC Coil)
3RA2921-1AA00	Link module Size 0 Circuit Breaker & Contactor (AC Coil)
3RA2921-1BA00	Link module Size 0 Circuit Breaker & Contactor (DC Coil)



DOL starting for 60 mm busbar systems Sizes S00 and S0



DOL starting for 60 mm busbar systems Size S2



S2 busbar adaptor

8US12616MT10	Busbar Adaptor, 80A, 260x54 with cables Suitable for Size 2 MSP & Size 2 contactor
9340450	Busbar Adaptor, 65A, S2, 272x55 with cables (Rittal)

Link module

3RA2931-1AA00	Link module between S2 3RT2 Contactor (AC Coil) & S2 3RV2 MSP
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60MM MOUNTING ADAPTORS FOR 3VL AND 3VA MCCBS

Busbar adaptor

8US12134AU01	Busbar Adaptor 60mm for 3VA10/11 MCCB 77mm Wide x 200mm High rated to 144A
8US12134AP03	Busbar Adaptor 60mm for 3VA12/20/21/221 MCCB to 250A 105mm Wide x 240mm High rated to 250A
8US12134AH04	Busbar Adaptor 60mm for 3VA23/24 MCCB to 400A & 630A 140mm Wide x 300mm High rated to 590A

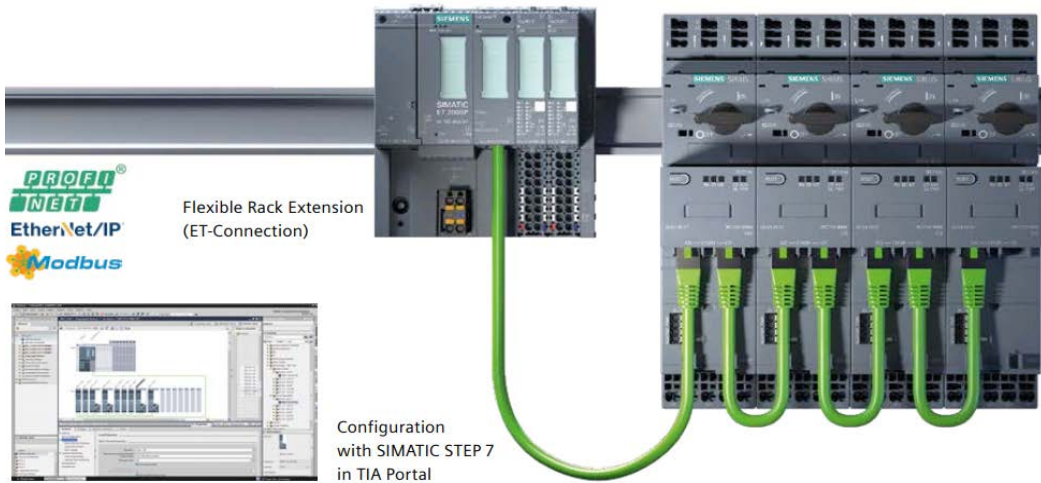


Items in green are Rittal products

3RA8 INTELLIGENT MOTOR STARTER

Communication between the field and the cloud made simple. With the plug-and-play expansion module for the SIRIUS Modular System, you integrate load feeders on the field level directly into automation systems. SIRIUS 3RC7 Intelligent Link Modules are part of the SIRIUS Modular System, the comprehensive portfolio for industrial controls.

One system with SIMATIC – ET 200SP Flexible Rack Extension



KW	A	PERFORMANCE	FRAME SIZE	PART NUMBER
DOL Starter				
0.12..1.5	0.4...4	Standard	S00	3RA8412-1EE00
2.2...15	3.5...32	Standard	S0	3RA8422-4EE00
0.12..1.5	0.4...4	High Feature	S00	3RA8412-1EE10
2.2...15	3.5...32	High Feature	S0	3RA8422-4EE10
Reversing Starter				
0.12..1.5	0.4...4	Standard	S00	3RA8512-1EE00
2.2...15	3.5...32	Standard	S0	3RA8522-4EE00
0.12..1.5	0.4...4	High Feature	S00	3RA8512-1EE10
2.2...15	3.5...32	High Feature	S0	3RA8522-4EE10

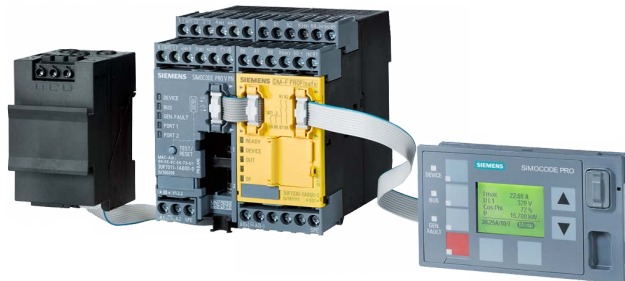


DESCRIPTION	PART NUMBER
Communication cable from ET200SP station to first starter	
Length 0.5m	3RC7940-0TE10
Length 2.0m	3RC7940-0TE20
Length 5.0m	3RC7940-0TE30
Length 10.0m	3RC7940-0TE40
Communication cable between starters	
DOL side by side mounting	3RC7940-0TE01
REVERSER side by side mounting	3RC7940-0TE02
Length 0.75m	3RC7940-0TE03
Length 1.5m	3RC7940-0TE04
Length 02.0m	3RC7940-0TE05
Power cable	
Connection of 24VDC bus between DOL starters	3RC7940-1TE01
Connection of 24VDC bus between REV starters	3RC7940-1TE02
Adapter to separately mount 3RV C/B	
Frame size S00	3RC7940-2TE00
Frame size S0	3RC7940-2TE01

SIMOCODE - INTELLIGENT MOTOR MANAGEMENT RELAY

SIMOCODE pro offers multifunctional, solid-state full motor protection. The motor management system monitors, protects and controls constant-speed motors and enables the implementation of predictive maintenance. It does not wait for a problem to occur before shutting down the motor, but establishes a level of transparency in advance. This avoids plant standstills and improves economic efficiency. SIMOCODE pro delivers detailed operating, service and diagnostic data from across the entire process. The engineering is simple and likewise the integration into process control systems. SIMOCODE pro communicates via PROFIBUS and PROFINET, Modbus, EtherNet / IP and OPC UA. It implements simple and economical motor management.

Simocode is a modular system. Choose 1 item from each selection group below. Selections 1...3 are always required for a typical system. Selections 4...7 are optional.



Measuring Modules



SELECTION	DESCRIPTION	PART NUMBER
1	Current measuring module 0.3...3A	3UF7100-1AA00-0
	Current measuring module 2.4...25A	3UF7101-1AA00-0
	Current measuring module 10...100A	3UF7102-1AA00-0
	Current measuring module 20...200A (through hole)	3UF7103-1AA00-0
	Current measuring module 20...200A (tags)	3UF7103-1BA00-0
	Current measuring module 63...630A (tags)	3UF7104-1BA00-0
	Current/voltage measuring module 0.3...4A	3UF7110-1AA01-0
	Current/voltage measuring module 3...40A	3UF7111-1AA01-0
	Current/voltage measuring module 10...115A	3UF7112-1AA01-0
	Current/voltage measuring module 20...200A (through hole)	3UF7113-1AA01-0
	Current/voltage measuring module 20...200A (tags)	3UF7113-1BA01-0
	Current/voltage measuring module 63...630A (tags)	3UF7114-1BA01-0

Connection cable (measuring module to Basic unit)



2	Ribbon cable 0.025m	3UF7930-0AA00-0
	Ribbon cable 0.15m	3UF7934-0AA00-0
	Ribbon cable 0.3m	3UF7935-0AA00-0
	Ribbon cable 0.5m	3UF7932-0AA00-0
	Round cable 1m	3UF7937-0BA00-0

Basic Units



3	Basic unit, Profibus DP, 24VDC	3UF7010-1AB00-0
	Basic unit, Profibus DP, 110...240VUC	3UF7010-1AU00-0
	Basic unit, Profinet, 24VDC	3UF7011-1AB00-0
	Basic unit, Profinet, 110...240VUC	3UF7011-1AU00-0
	Basic unit, Modbus RTU, 24VDC	3UF7012-1AB00-0
	Basic unit, Modbus RTU, 110...240VUC	3UF7012-1AU00-0
	Basic unit, Ethernet IP, 24VDC	3UF7013-1AB00-0
	Basic unit, Ethernet IP, 110...240VUC	3UF7013-1AU00-0

Connection cable (operator panel to Basic unit)



4	Ribbon cable 0.5m	3UF7932-0AA00-0
	Round cable 1m	3UF7937-0BA00-0
	Round cable 2.5m	3UF7933-0BA00-0

Operator Panel



5	Basic operator panel	3UF7200-1AA01-0
	Operator panel with display	3UF7210-1AA01-0

Connection cable (expansion modules to Basic unit)



6	Operator panel with display	3UF7930-0AA00-0
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SIMOCODE - INTELLIGENT MOTOR MANAGEMENT RELAY

No more than 5 exp devices without checking in TIA selection tool



SELECTION	MAX QTY PER SIMOCODE			PART NUMBER
		3UF7010/7012	3UF7011/7013	
7	Digital I/O 4in/2out, 24VDC	2	2	3UF7300-1AB00-0
	Digital I/O 4in/2out, 110...240VUC	2	2	3UF7300-1AU00-0
	Safety module, 24VDC - DMF Local	1	1	3UF7320-1AB00-0
	Safety module, 110...240VUC - DMF Local	1	1	3UF7320-1AU00-0
	Safety module, 24VDC - DMF Profi	1	1	3UF7330-1AB00-0
	Safety module, 110...240VUC - DMF Profi	1	1	3UF7330-1AU00-0
	Analog module, 2in/1out	1	2	3UF7400-1AA00-0
	RTD Module	1	2	3UF7700-1AA00-0
	Ground fault module *	1	1	3UF7510-1AA00-0

* for every ground fault module, a residual current transformer required.

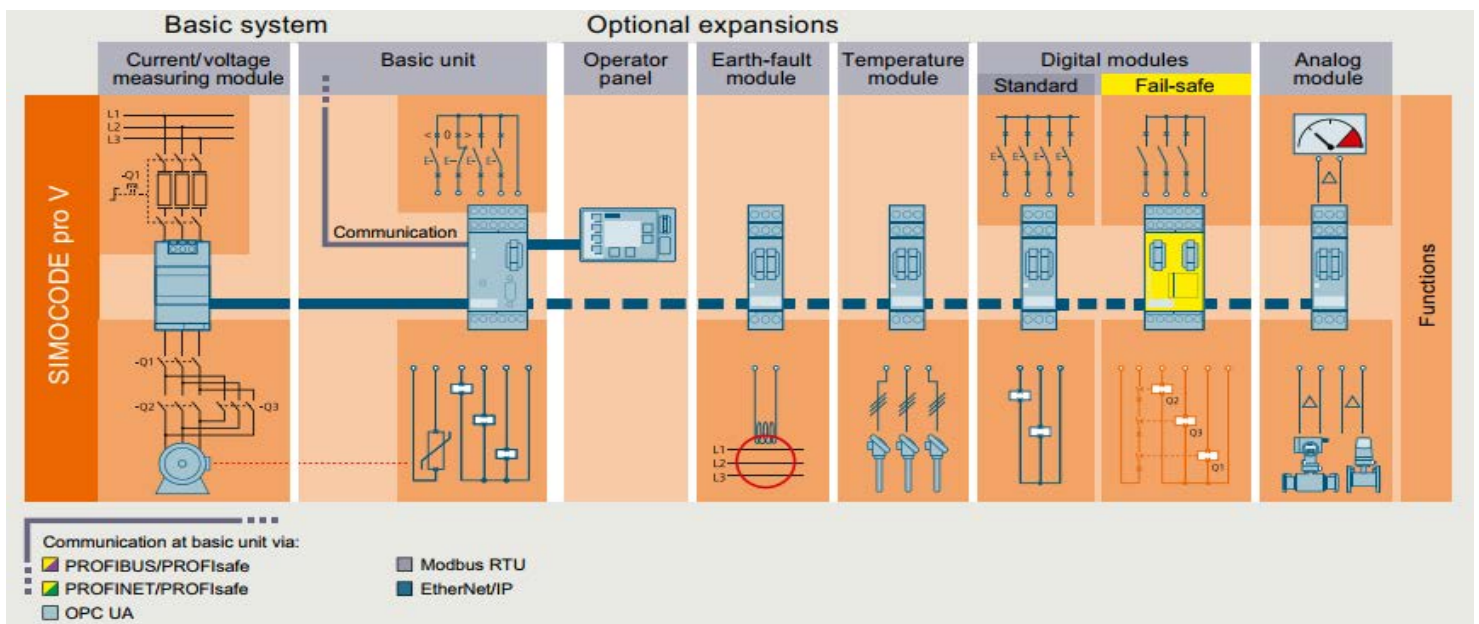


DESCRIPTION	PART NUMBER
Residual-current transformer opening 35 mm range (<=22kW, 85A max)	3UL2302-1A
Residual-current transformer opening 55 mm range (30...55kW, 150A max)	3UL2303-1A
Residual-current transformer opening 80 mm range (75...90kW, 225A max)	3UL2304-1A
Residual-current transformer opening 105 mm range (110...160kW, 400A max)	3UL2305-1A
Residual-current transformer opening 140 mm range (200...250kW, 500A max)	3UL2306-1A
Residual-current transformer opening 210 mm range (>250kW, 630A max)	3UL2307-1A
Adapter for standard mounting rail mounting of 3UL23 up to 55 mm inside diameter	3UL2900

Accessories



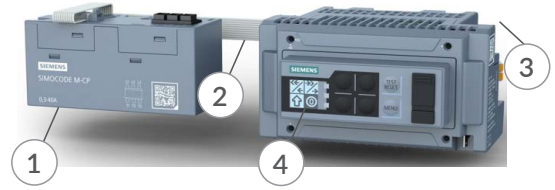
DESCRIPTION	PART NUMBER
USB Programming cable	3UF7941-0AA00-0
Simocode ES V20 professional software	3ZS1322-6CC18-0YA5
Memory module	3UF7901-0AA01-0
Addressing plug (3UF7010/7012)	3UF7910-0AA00-0
Initialization module	3UF7902-0AA00-0
Y cable for each initialization module 0.1m	3UF7931-0CA00-0
Y cable for each initialization module 0.5m	3UF7932-0CA00-0
Y cable for each initialization module 1,0m	3UF7937-0CA00-0



SIMOCODE - INTELLIGENT MOTOR MANAGEMENT RELAY

SIMOCODE M-CP controls and monitors your motors efficiently and reliably. Optimally designed for use in motor control centers, it offers highly compact and powerful hardware, the latest Ethernet-based communication, and easily scalable device functions – and it's embedded in complete solutions for time-saving planning and commissioning and safe, smooth operation.

Simocode is a modular system.
 Choose 1 item from each selection group below.
 Selections 1...3 are always required for a typical system.
 Selections 4 (operator panel) is optional.



SELECTION	DESCRIPTION	PART NUMBER
1	Measuring Modules	
	Current/voltage measuring module 0.3...40A	3UF8110-1AA00-0
	Current/voltage measuring module 10...115A	3UF8111-1AA00-0
	Current/voltage measuring module 63...630A (tags)	3UF8112-1AA00-0
	Optional connection tags for 63...630A measuring module	3UF8950-0AA00-0
	Set of 6 bolts for optional connection tags for size S6 contactor	3UF8951-0AA00-0
	Set of 6 bolts for optional connection tags for size S10/12 contactor	3RT1966-4PA00
2	Connection cable (measuring module to Basic unit)	
	Ribbon cable 0.3m	3UF7935-0AA00-0
	Ribbon cable 0.5m	3UF7932-0AA00-0
	Round cable 0.5m	3UF7932-0BA00-0
	Round cable 1m	3UF7937-0BA00-0
3	Basic Units	
	Basic unit, Profinet, 24VDC	3UF8011-2AB00-0
4	Operator Panel	
	Basic operator panel	3UF8200-1AA00-0

DESCRIPTION	PART NUMBER
If DIN rail mounting Simocode inside the switchboard	
DIN-rail adapter for basic unit or measuring module	3UF8920-0AA00-0
Connecting cable operator panel to basic unit 0.5m	3UF8932-0BA00-0
Connecting cable operator panel to basic unit 1.0m	3UF8937-0BA00-0
Operator panel door mount 95 x 58mm	3UF8922-0AA00-0
Operator panel door mount 105 x 42mm	3UF8922-0BA00-0

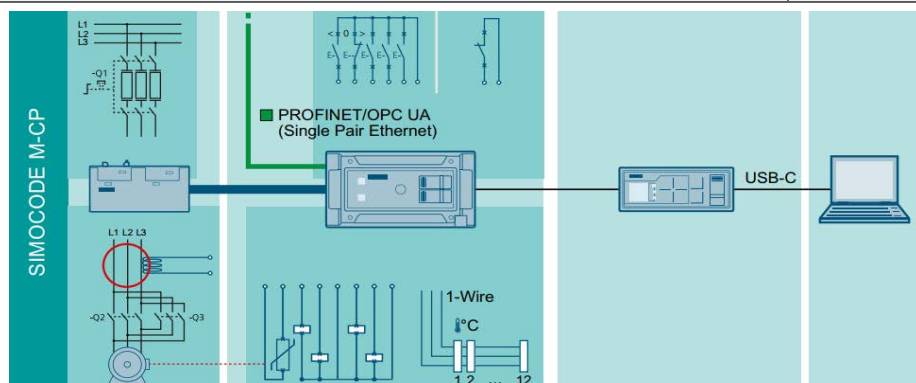
* for every ground fault module, a residual current transformer required.

Residual-current transformer opening 35 mm range (<=22kW, 85A max)	3UL2302-1A
Residual-current transformer opening 55 mm range (30...55kW, 150A max)	3UL2303-1A
Residual-current transformer opening 80 mm range (75...90kW, 225A max)	3UL2304-1A
Residual-current transformer opening 105 mm range (110...160kW, 400A max)	3UL2305-1A
Residual-current transformer opening 140 mm range (200...250kW, 500A max)	3UL2306-1A
Residual-current transformer opening 210 mm range (>250kW, 630A max)	3UL2307-1A
Adapter for standard mounting rail mounting of 3UL23 up to 55 mm inside diameter	3UL2900

Accessories



USB Programming cable USBC to USB A, 2.0m	8WD4618-0FB
Simocode ES V20 professional software	3ZS1322-6CC18-0YA5
Initialization module	3UF8902-0AA00-0
Y cable for each initialization module 0.5m	3UF7932-0CA00-0
Y cable for each initialization module 1.0m	3UF7937-0CA00-0



3RM1 COMPACT HYBRID MOTOR STARTERS

The new SIRIUS 3RM1 Motor Starters are designed for installation in control cabinets and require minimal space. They combine the functionality of contactors and overload relays in a package of just 22.5mm wide. The 3RM1 makes your work easier, offering easy adjustment of motor current, minimal wiring costs and fast trouble shooting. With these starters you can build more compact control cabinets.

DOL starters



PART NUMBER	DESCRIPTION	KW	A
3RM1001-1AA.4	DOL Hybrid Starter	0-0.12	0.1-0.5
3RM1002-1AA.4	DOL Hybrid starter	0.09-0.75	0.4-2
3RM1007-1AA.4	DOL Hybrid starter	0.55-3	1.6-7

Reversing DOL starters



3RM1201-1AA.4	Reversing Hybrid Starter	0-0.12	0.1-0.5
3RM1202-1AA.4	Reversing Hybrid Starter	0.09-0.75	0.4-2
3RM1207-1AA.4	Reversing Hybrid Starter	0.55-3	1.6-7

Failsafe DOL starters



3RM1101-1AA.4	Failsafe DOL Hybrid Starter	0-0.12	0.1-0.5
3RM1102-1AA.4	Failsafe DOL Hybrid Starter	0.09-0.75	0.4-2
3RM1107-1AA.4	Failsafe DOL Hybrid Starter	0.55-3	1.6-7

Failsafe Reversing DOL starters



3RM1301-1AA.4	Failsafe Reversing Hybrid Starter	0-0.12	0.1-0.5
3RM1302-1AA.4	Failsafe Reversing Hybrid Starter	0.09-0.75	0.4-2
3RM1307-1AA.4	Failsafe Reversing Hybrid Starter	0.55-3	1.6-7

Replace missing character (.) with number below for voltage required

V	24DC	110-230VAC
CODE	0	1

Spring terminal available - change -1AA.. To -2AA..

Accessories



3RM1910-1AA	3-Phase Busbar for 2 Starters Spacing 45mm
3RM1910-1BA	3-Phase Busbar for 3 Starters Spacing 45mm
3RM1910-1DA	3-Phase Busbar for 5 Starters Spacing 45mm
3RM1910-6AA	Cap for Busbar
3RM1920-1AA	3-Phase In feed terminal
3RM1932-1AB	Fuse module with 3NW6007-1
3RM1930-1AA	Fuse module without fuse.
3ZY1212-2EA00	3RM1 Device connector, 24VDC, 22.5mm
3ZY1212-2AB00	Connector for use to separate 3RM starters when the current exceeds 25A
3ZY1212-2FA00	3RM1 Device termination connector, 24VDC, 22.5mm



SAFETY RELAYS - 3SK1



PART NUMBER	DESCRIPTION	ADJUSTABLE OFF-DELAY TIME	CONTROL VOLTAGE	OUTPUTS	
				ENABLE CIRCUITS	SINALLING CIRCUITS
3SK1 Standard safety relay					
3SK1111-1AB30	Standard basic unit with Relay Outputs	–	24 V AC/DC	3	1
3SK1111-1AW20	Standard basic unit with Relay Outputs	–	110-240 V AC/DC	3	1
3SK1112-1BB40	Standard basic unit with Semiconductor Outputs	–	24V DC	2	1
3SK1 Expandable, DIP switch configurable safety relay relay					
3SK1121-1AB40	Advanced basic unit with Relay Outputs	–	24V DC	3	1
3SK1121-1CB41	Advanced basic unit with Relay Outputs	0.05 to 3 sec	24V DC	2/2*	
3SK1121-1CB42	Advanced basic unit with Relay Outputs	0.5 to 30 sec	24V DC	2/2*	
3SK1122-1AB40	Advanced basic unit with Semiconductor Outputs	–	24V DC	3	1
3SK1122-1CB42	Advanced basic unit with Semiconductor Outputs	0.5 to 30 sec	24V DC	2/2*	
3SK2 Programmable Safety Relay					
3SK2112-1AA10	Programmable basic unit with semiconductor outputs, 10 inputs, 22.5mm	–	24V DC	2	1
3SK2122-1AA10	Programmable basic unit with semiconductor outputs, 20 inputs, 45mm	–	24V DC	4	2
3ZS1326-2CE12-0YB5	Sirius Safety ES V19 Professional				
3UF7941-0AA00-0	USB Programming cable				
Expansion Modules					
3SK1211-1BB40	Output expansion module with Relay Outputs	–	24V DC	4	1
3SK1213-1AB40	10A Output expansion module with Relay Outputs	–	24V DC	3	1
3SK1220-1AB40	Input expansion module (for Advanced units only)	–	24V DC		
3SK2511-1FA10	Profinet interface module (3SK2 only)	–	–	–	–
Optional Power Supply					
PART NUMBER	DESCRIPTION				
3SK1230-1AW20	Optional 24VDC power supply up to 6 devices				



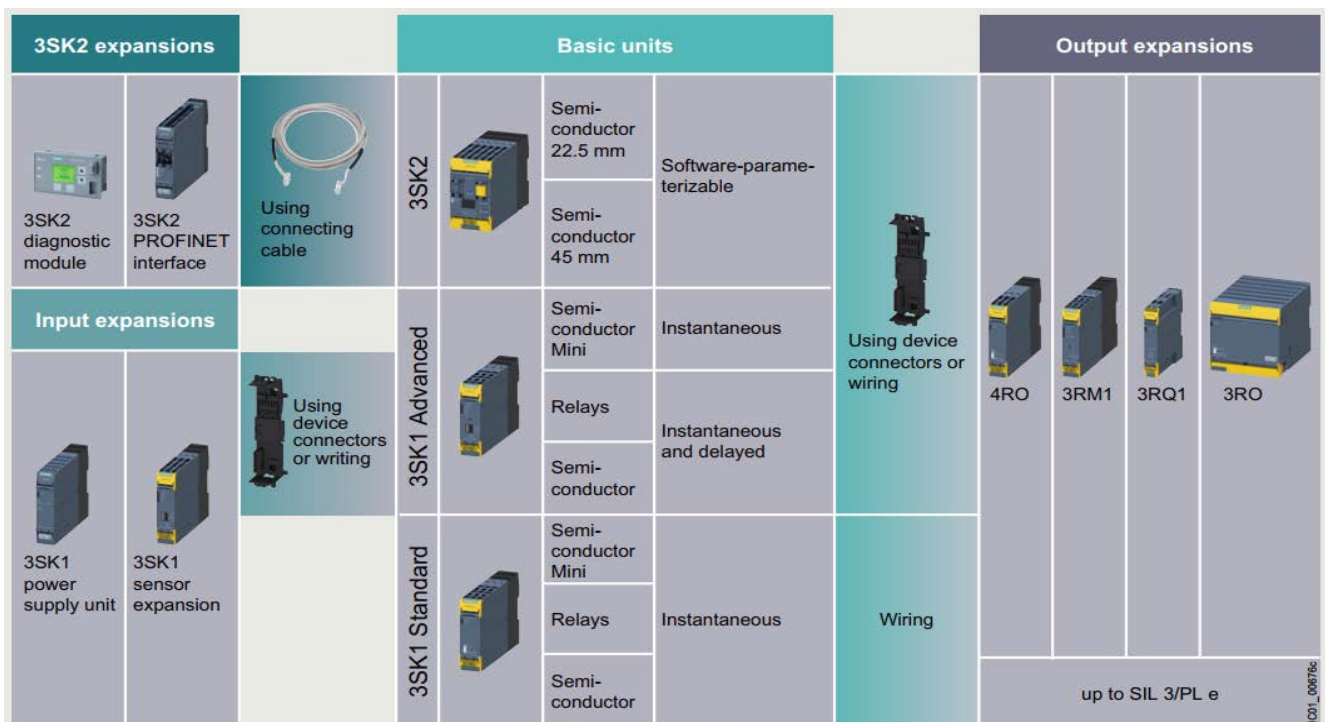
Device connectors

(for saving wiring between advanced units and input or output modules)

3ZY1212-1BA00	17.5mm wide device connector
3ZY1212-2BA00	22.5mm wide device connector
3ZY1212-2GA00	22.5mm wide device connector for 3SK2
3ZY1212-4GA01	45mm wide device connector for 3SK2
3ZY1212-2DA00	Device termination connector 22.5mm for last unit



Note: Motors up to 3kW can be easily integrated into the safety relay system using SIRIUS 3RM1 and 3ZY1 device connectors, without having to run a cable between the evaluation unit and the motor starter.



COUPLING RELAYS

3RQ1 Force-guided coupling relays



PART NUMBER	DESCRIPTION	KW	A
Width 17.5mm			
3RQ1000-1EB00	Failsafe up to SIL2/PLc	1NO+1NC	24VDC
3RQ1000-1GB00	Failsafe up to SIL2/PLc	2NO+1NC	24VDC
3RQ1000-1EW00	Failsafe up to SIL2/PLc	1NO+1NC	24-240VAC/DC
3RQ1000-1GW00	Failsafe up to SIL2/PLc	2NO+1NC	24-240VAC/DC
3RQ1200-1EB00	Failsafe up to SIL3/Plc	1NO	24VDC
3RQ1200-1EW00	Failsafe up to SIL3/Plc	1NO+1NC	24-240VAC/DC
Width 22.5mm			
3RQ1000-1HB00	Failsafe up to SIL2/PLc	2NO+2NC	24VDC
3RQ1000-1LB00	Failsafe up to SIL2/PLc	4NO+1NC	24VDC
3RQ1000-1HW00	Failsafe up to SIL2/PLc	2NO+2NC	24-240VAC/DC
3RQ1000-1LW00	Failsafe up to SIL2/PLc	4NO+1NC	24-240VAC/DC



3RQ2 Coupling relay



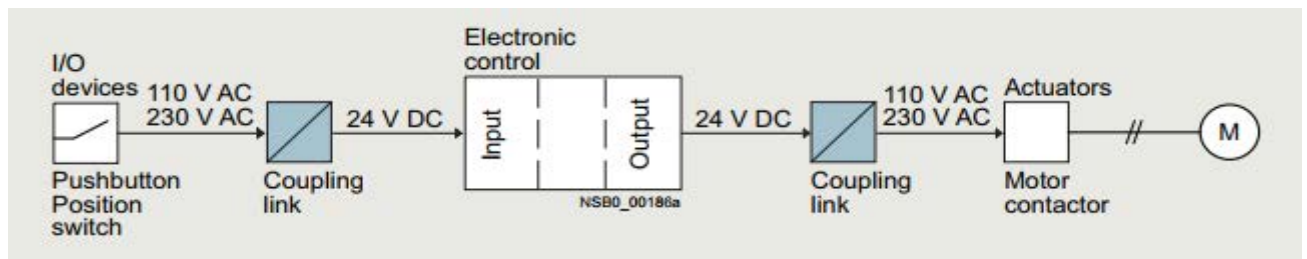
3RQ2000-1AW00	Relay in 22.5mm housing	1CO	24-240VAC/DC
3RQ2000-1BW00	Relay in 22.5mm housing	2CO	24-240VAC/DC
3RQ2000-1CW00	Relay in 22.5mm housing	3CO	24-240VAC/DC
3RQ2000-1CW01	Relay in 22.5mm housing	3CO	24-240VAC/DC

3RQ3 Coupling relays



3RQ3038-.AB00	Input coupling relay	1 CO	24VAC/DC
3RQ3038-.AE00	Input coupling relay	1 CO	115VAC/DC
3RQ3038-.AF00	Input coupling relay	1 CO	230VAC/DC
3RQ3118-.AB00	Output coupling relay (plug in)	1 CO	24VAC/DC
3RQ3118-.AE00	Output coupling relay (plug in)	1 CO	115VAC/DC
3RQ3118-.AF00	Output coupling relay (plug in)	1 CO	230VAC/DC
3RQ3055-.SM30	Semiconductor output coupling link	1NO	24VDC

Replace missing character (.) with: 1 = screw and 2 = spring terminal



3RQ2 Coupling relay



LZS:RT3A4*	6A @ 230VAC (AC-15), 2A @ 24VDC (DC-13)		1CO
LZS:RT4A4*	3A @ 230VAC (AC-15), 2A @ 24VDC (DC-13)		2CO

Replace missing character (.) with code below for voltage required

LZS:PT3A5*	5A @ 230VAC (AC-15), 2A @ 24VDC (DC-13)		3CO
LZS:PT4A5*	4A @ 230VAC (AC-15), 2A @ 24VDC (DC-13)		4CO

Replace missing character (.) with code below for voltage required

V	24DC	24VAC	115VAC	230VAC
CODE	L24	R24	S15	T30



TIMING RELAYS - 3RP25

Multi function timing relays, 15 time setting ranges



PART NUMBER	DESCRIPTION	TIME SETTING	CONTACTS	CONTROL VOLTAGE
3RP2505-1AW30	13 Functions	(1, 3, 10, 30, 100), (S/MIN/HR)	1 C/O	12-240V AC/DC
3RP2505-1BW30	27 Functions	(1, 3, 10, 30, 100), (S/MIN/HR)	2 C/O	12-240V AC/DC

On delay timer

3RP2511-1AW30	0.5 to 10 sec	1 C/O	12-240V AC/DC
3RP2512-1AW30	1.5 to 30 sec	1 C/O	12-240V AC/DC
3RP2513-1AW30	5 to 100 sec	1 C/O	12-240V AC/DC
3RP2525-1BW30	0.05 sec to 100 hours	2 C/O	12-240V AC/DC

Off delay timer

3RP2535-1AW30	With auxiliary voltage	0.05 sec to 100 hours	1 C/O	12-240V AC/DC
3RP2540-1AW30	Without auxiliary voltage	0.05 to 600 sec	1 C/O	12-240V AC/DC
3RP2540-1BW30	Without auxiliary voltage	0.05 to 600 sec	2 C/O	12-240V AC/DC

Clock pulse timing relays, 15 time setting ranges

3RP2555-1AW30	0.05 sec to 100 hours	1 C/O	12-240V AC/DC
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Star/Delta timing relay

3RP2574-1NW30	1 Instantaneous, 1 Delayed contact	1 to 20 sec	2 NO	12-240V AC/DC
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Timing Function Chart

CODE LETTER OF THE SET FUNCTION	13 FUNCTIONS (A-M)	27 FUNCTIONS 13 functions (A-M), 2 CO parallel switching + 13 functions (A-M), 1 CO delayed + 1 CO instantaneous switching + 1 star/wye-delta function
A	ON delay	ON delay and instantaneous switching
B	OFF delay with control signal	OFF delay with control signal and instantaneous switching
C	ON/OFF delay with control signal	ON/OFF delay and instantaneous switching
D	Flashing, symmetrical, start with break	Flashing, symmetrical, start with break and instantaneous switching
E	Passing make contact function, interval relay	Passing make contact function, interval relay and instantaneous switching
F	Retriggerable interval relay with disconnected control signal (passing break contact function with control signal)	Retriggerable interval relay with disconnected control signal (passing break contact with control signal) and instantaneous switching
G	Passing make contact function, with control signal, not retriggerable (pulse-shaping with control signal)	Passing make contact function, with control signal, not retriggerable (pulse-shaping with control signal) and instantaneous switching
H	Additive ON delay, undelayed OFF with control signal	Additive ON delay, undelayed OFF with control signal and instantaneous switching
I	Additive ON delay with control signal	Additive ON delay with control signal and instantaneous switching
J	Flashing, symmetrical, start with pulse	Flashing, symmetrical, start with pulse and instantaneous switching
K	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable and instantaneous switching
L	Pulse delay with control signal Pulse permanently set, pulse length 1s and pulse delay adjustable	Pulse delay, pulse permanently set, pulse length 1s and pulse delay adjustable and instantaneous switching
M	Retriggerable interval relay with connected control signal (watchdog)	Retriggerable interval relay with connected control signal (watchdog) and instantaneous switching
YΔ		Star / Delta function

MONITORING RELAYS - VOLTAGE, CURRENT & GROUND FAULT

PART NUMBER	DESCRIPTION	TRIPPING DELAY	CONTACTS	CONTROL VOLTAGE
3UG5511-1AR20	Analogue Monitoring Relay	—	1 C/O	320-500VAC
3UG5511-1BR20	Analogue Monitoring Relay	—	2 C/O	320-500VAC

Monitoring of phase sequence, phase failure & phase unbalance

3UG5512-1AR20	Analogue Monitoring Relay	—	1 C/O	160-690VAC
3UG5512-1BR20	Analogue Monitoring Relay	—	2 C/O	160-690VAC
3UG5512-1AR21	Analogue Monitoring Relay SIL 1/PLc	—	1 C/O	160-690VAC
3UG5512-1BR21	Analogue Monitoring Relay SIL 1/PLc	—	2 C/O	160-690VAC

Monitoring of phase sequence, phase failure, unbalance & under voltage

3UG5514-1BR20	Analogue adjustable, Auto Reset	0.1 to 20 sec	2 C/O	160-690VAC
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Monitoring of phase sequence, phase failure, unbalance, over & under voltage

3UG5616-1CR20	Digitally adjustable, Auto or Man Reset	0.1 to 20 sec	2 C/O	90-690VAC
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Automatic correction of the direction of the rotation in case of wrong phase sequence, phase failure, unbalance, over & under voltage

3UG5618-1CR20	Digital Monitoring Relay	0.1 to 20 sec	2 C/O	90-690VAC
3UG5618-1CR20	Digital Monitoring Relay SIL 1/PLc	0.1 to 20 sec	2 C/O	90-690VAC

Voltage monitoring, internal power supply without auxiliary voltage

3UG5533-1AL30	Analogue adjustable, Auto or Man Reset	0.1 to 20 sec	1 C/O	20-275VAC/DC
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Voltage monitoring, supplied from an external auxiliary voltage

3UG5532-1AW30	Analogue adjustable, Auto or Man Reset	0.1 to 20 sec	1 C/O	24 - 240V
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Monitoring of under & over current

3UG5522-1AW30	Analogue adjustable, Auto or Man Reset measuring range 0.05 - 15A AC/DC	0.1 to 20 sec	1 C/O	24 - 240V AC/DC
3RR2241-1FW30	3 PH. current, ph seq, jam monitoring, measuring. range 1.6 - 16A	0 to 99 sec	1 C/O	24 - 240V AC/DC
3RR2242-1FW30	3 PH. current, ph seq, jam monitoring, measuring. range 4 - 40A	0 to 99 sec	1 C/O	24 - 240V AC/DC
3RR2243-1FW30	3 PH. current, ph seq, jam monitoring, measuring. range 8 - 80A	0 to 99 sec	1 C/O	24 - 240V AC/DC

Thermistor motor protection relay

3RN2010-1CW30	Compact Relay Auto Reset	—	1NO + 1NC	24 - 240V AC/DC
3RN2012-1BW30	Standard Relay, Manual/Auto/Remote reset 2 LEDs (READY/TRIPPED), Test/reset button, Open & Short circuit monitoring	—	2 C/O	24 - 240V AC/DC

Residual current monitoring relay with summation CT

3UG5625-1CW30	Monitoring residual currents 0.03 to 40A Requires 3UL23 Summation CT	0 to 999.9 sec	2 C/O 1 contact for warning 1 contact for tripping	24 - 240V AC/DC
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Ground fault summation CTs

3UL2302-1A	Summation CT with 35mm window
3UL2303-1A	Summation CT with 55mm window
3UL2304-1A	Summation CT with 80mm window
3UL2305-1A	Summation CT with 110mm window
3UL2306-1A	Summation CT with 140mm window
3UL2307-1A	Summation CT with 210mm window

Temperature monitoring relay

3RS2500-1AW30	PT100 and J,K thermocouples (analog)	—	1 C/O	24 - 240V AC/DC
3RS2600-1BW30	1 Sensor: PT100, PT1000, KTY83, KTY84 and Thermocouples TYPE: J, K, T, E, N, S, R, B (digital)	—	2 C/O	24 - 240V AC/DC
3RS2900-1AW30	2 Sensor expansion FOR 3RS2600...	—	1 C/O	24 - 240V AC/DC

PUSH BUTTONS AND INDICATOR LIGHTS - PLASTIC (3SU) IP69K

Complete push buttons



PART NUMBER	COLOUR	NO CONTACT	NC CONTACT	VOLTAGE
3SU1100-0AB10-1BA0	Black	1	-	-
3SU1100-0AB20-1CA0	Red	-	1	-
3SU1100-0AB30-1BA0	Yellow	1	-	-
3SU1100-0AB40-1BA0	Green	1	-	-
3SU1100-0AB50-1BA0	Blue	1	-	-
3SU1100-0AB60-1BA0	White	1	-	-

Complete push buttons - illuminated (integrated LED)



3SU1102-0AB20-1CA0	Red	-	1	24VAC/DC
3SU1102-0AB30-1BA0	Yellow	1	-	24VAC/DC
3SU1102-0AB40-1BA0	Green	1	-	24VAC/DC
3SU1102-0AB50-1BA0	Blue	1	-	24VAC/DC
3SU1102-0AB60-1BA0	White	1	-	24VAC/DC



3SU1103-0AB20-1CA0	Red	-	1	230VAC
3SU1103-0AB30-1BA0	Yellow	1	-	230VAC
3SU1103-0AB40-1BA0	Green	1	-	230VAC
3SU1103-0AB50-1BA0	Blue	1	-	230VAC
3SU1103-0AB60-1BA0	White	1	-	230VAC



3SU1106-0AB20-1CA0	Red	-	1	110VAC
3SU1106-0AB30-1BA0	Yellow	1	-	110VAC
3SU1106-0AB40-1BA0	Green	1	-	110VAC
3SU1106-0AB50-1BA0	Blue	1	-	110VAC
3SU1106-0AB60-1BA0	White	1	-	110VAC

Note: In addition to the colours above, also available in Amber (AMB).

Complete selector switch (can be illuminated)



3SU1100-2BF60-1BA0	2 Position	Black/White	1	-
3SU1100-2BF60-1MA0	2 Position	Black/White	1	1
3SU1100-2BL60-1NA0	3 Position	Black/White	2	-

Complete indicator light (integrated LED)



PART NUMBER	VOLTAGE
3SU1102-6AA.-1AA0	24VAC/DC
3SU1103-6AA.-1AA0	110VAC
3SU1106-6AA.-1AA0	230VAC

Replace missing character (.) with code below for colour required

V	RED	YELLOW	GREEN	BLUE	WHITE	CLEAR
CODE	20	30	40	50	60	70

Note: In addition to the colours above, also available in Amber (AMB).

Complete MRH push button - Emergency Stop



PART NUMBER	DESCRIPTION	NC CONTACT
3SU1100-1HB20-1CG0	40mm, Twist to Release	1
3SU1100-1HB20-1PG0	40mm, Twist to Release	2

PUSH BUTTONS AND INDICATOR LIGHTS - METAL (3SU) IP69K

Complete push buttons



PART NUMBER	COLOUR	NO CONTACT	NC CONTACT	VOLTAGE
3SU1150-0AB10-1BA0	Black		1	-
3SU1150-0AB20-1CA0	Red		-	1
3SU1150-0AB30-1BA0	Yellow		1	-
3SU1150-0AB40-1BA0	Green		1	-
3SU1150-0AB50-1BA0	Blue		1	-
3SU1150-0AB60-1BA0	White		1	-
PB-M-TWIN	Green/Red	1	1	-

Complete push buttons - illuminated (integrated LED)



3SU1152-0AB20-1CA0	Red	-	1	24VAC/DC
3SU1152-0AB30-1BA0	Yellow	1	-	24VAC/DC
3SU1152-0AB40-1BA0	Green	1	-	24VAC/DC
3SU1152-0AB50-1BA0	Blue	1	-	24VAC/DC
3SU1152-0AB60-1BA0	White	1	-	24VAC/DC



3SU1153-0AB20-1CA0	Red	-	1	110VAC
3SU1153-0AB30-1BA0	Yellow	1	-	110VAC
3SU1153-0AB40-1BA0	Green	1	-	110VAC
3SU1153-0AB50-1BA0	Blue	1	-	110VAC
3SU1153-0AB60-1BA0	White	1	-	110VAC



3SU1156-0AB20-1CA0	Red	-	1	230VAC
3SU1156-0AB30-1BA0	Yellow	1	-	230VAC
3SU1156-0AB40-1BA0	Green	1	-	230VAC
3SU1156-0AB50-1BA0	Blue	1	-	230VAC
3SU1156-0AB60-1BA0	White	1	-	230VAC

Note: In addition to the colours above, also available in Amber (AMB).

Complete selector switch (can be illuminated)



3SU1150-2BF60-1BA0	2 Position	Black/White	1	-	-
3SU1150-2BF60-1MA0	2 Position	Black/White	1	1	-
3SU1150-2BL60-1NA0	3 Position	Black/White	2	-	-

Complete indicator light (integrated LED)



PART NUMBER	VOLTAGE
3SU1152-6AA.-1AA0	24VAC/DC
3SU1153-6AA.-1AA0	110VAC
3SU1156-6AA.-1AA0	230VAC

Replace missing character (.) with code below for colour required

V	RED	YELLOW	GREEN	BLUE	WHITE	CLEAR
CODE	20	30	40	50	60	70

Note: In addition to the colours above, also available in Amber (AMB).

Complete MRH push button - Emergency Stop



PART NUMBER	DESCRIPTION	NC CONTACT
3SU1150-1HB20-1CG0	40mm, Twist To Release	1

ORDERING INDIVIDUAL COMPONENTS

Units required for complete push button



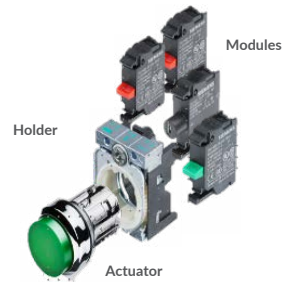
Actuator



Contact Holder



Contact Block



=> Complete unit requires 1 actuator, 1 holder and upto 6 modules

Holders for contact blocks & LED modules



PART NUMBER	COLOUR
3SU1550-0AA10-0AA0	Universal Holder for 3 Modules
3SU1500-0BA10-0AA0	Module Holder For 4 Position Selector Switch, Plastic
3SU1550-0BA10-0AA0	Module Holder For 4 Position Selector Switch, Metal

Contact blocks - panel mount



3SU1400-1AA10-1FA0	Contact Block 1 NO + 1 NC
3SU1400-1AA10-1BA0	Contact Block 1 NO
3SU1400-1AA10-1CA0	Contact Block 1 NC
3SU1400-1AA10-1HA0	Contact Block 1 NC for installation monitoring on E Stop

Contact blocks - base mount (for use in enclosures)

3SU1400-2AA10-1BA0	Contact Block 1 NO
3SU1400-2AA10-1CA0	Contact Block 1 NC

Integrated LED (lamp holder) - panel mount



3SU1401-1BB.-1AA0	Integrated LED 24V AC/DC Lamp Holder
3SU1401-1BC.-1AA0	Integrated LED 110V AC Lamp Holder
3SU1401-1BF.-1AA0	Integrated LED 230V AC Lamp Holder
3SU1401-1BH.-1AA0	Integrated LED 24 to 240V AC/DC Lamp Holder

Integrated LED (lamp holder) - base mount



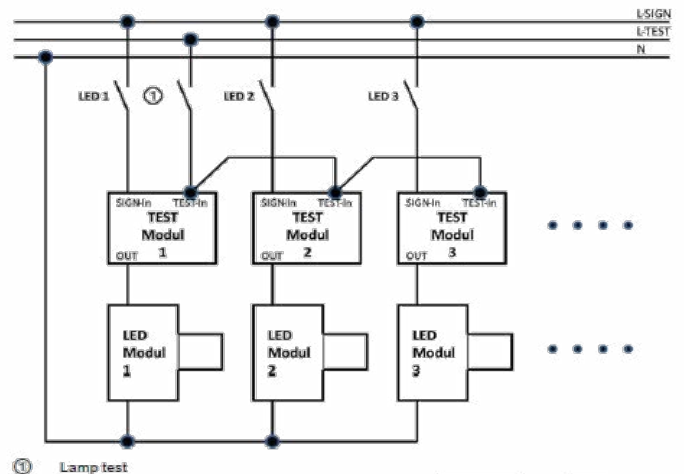
3SU1401-2BB.-1AA0	Integrated LED 24V AC/DC Lamp Holder
3SU1401-2BC.-1AA0	Integrated LED 110V AC Lamp Holder
3SU1401-2BF.-1AA0	Integrated LED 230V AC Lamp Holder
3SU1401-2BH.-1AA0	Integrated LED 24 to 240V AC/DC Lamp Holder

Replace missing character (.) with code below for colour required

V	RED	YELLOW	GREEN	BLUE	WHITE	CLEAR
CODE	20	30	40	50	60	70

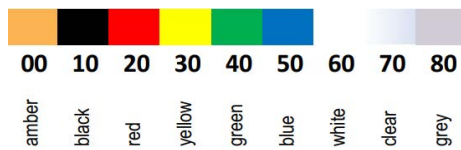
3SU1400-1CK10-1AA0	LED Test Module
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Note - Only to be used for SIRIUS ACT LED modules (6 to 24 V AC/DC, 24 V AC/DC, 24 to 240 V AC/DC)





























ACTUATORS

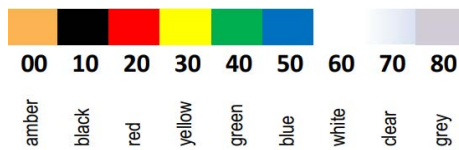
		PART NUMBER		DESCRIPTION	
		PLASTIC	METAL		
		 3SU1000-0AB.-0AA0	 3SU1050-0AB.-0AA0	Flat Pushbutton	Momentary
		 3SU1000-0AA.-0AA0	 3SU1050-0AA.-0AA0	Flat Pushbutton	Latching
		 3SU1000-0BB.-0AA0	 3SU1050-0BB.-0AA0	Pushbutton	Raised Momentary
		 3SU1001-0AB.-0AA0	 3SU1051-0AB.-0AA0	Illuminated Pushbutton	Momentary
		 3SU1001-0AA.-0AA0	 3SU1051-0AA.-0AA0	Illuminated Pushbutton	Latching
		 3SU1001-0BB.-0AA0	 3SU1051-0BB.-0AA0	Illuminated Pushbutton	Raised Momentary
		3SU1000-3AB42-0AK0	3SU1050-3AB42-0AK0	Twin Pushbutton	Green/Red "1"/"0"
		3SU1000-3AB61-0AK0	3SU1050-3AB61-0AK0	Twin Pushbutton	White/Black "1"/"0"
		3SU1000-3AB66-0AN0		Twin Pushbutton	White Vertical Arrows
		3SU1000-3BB42-0AA0	3SU1050-3BB42-0AA0	Twin Pushbutton	Green/Red Raised
		3SU1000-3BB42-0AK0	3SU1050-3BB42-0AK0	Twin Pushbutton	Green/Red "1"/"0" Raised
		3SU1001-3AB42-0AK0	3SU1050-3AB42-0AK0	Illum. Twin Pushbutton	Green/Red "1"/"0"
		3SU1001-3AB66-0AN0		Illum. Twin Pushbutton	White/White Vertical Arrows
		3SU1001-3BB42-0AA0		Illum. Twin Pushbutton	Green/Red Raised



Replace " ." in part numbers above with the 2 digit code corresponding to required colour

ACTUATORS

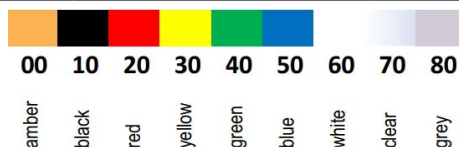
		PART NUMBER		DESCRIPTION	
		PLASTIC	METAL		
		 3SU1000-1AD.-0AA0	 3SU1050-1AD.-0AA0	Mushroom pushbutton	30mm momentary
		 3SU1000-1AA.-0AA0	 3SU1050-1AA.-0AA0	Mushroom pushbutton	30mm pull to unlatch
		 3SU1000-1BD.-0AA0	 3SU1050-1BD.-0AA0	Mushroom pushbutton	40mm momentary
		 3SU1000-1BA.-0AA0	 3SU1050-1BA.-0AA0	Mushroom pushbutton	40mm pull to unlatch
		 3SU1000-1CD.-0AA0	 3SU1050-1CD.-0AA0	Mushroom pushbutton	60mm momentary
		 3SU1000-1CA.-0AA0	 3SU1050-1CA.-0AA0	Mushroom pushbutton	60mm pull to unlatch
		 3SU1001-1AD.-0AA0	 3SU1051-1AD.-0AA0	Illuminated Mushroom pushbutton	30mm momentary
		 3SU1001-1AA.-0AA0	 3SU1051-1AA.-0AA0	Illuminated Mushroom pushbutton	30mm pull to unlatch
		3SU1001-1BD.-0AA0	 3SU1051-1BD.-0AA0	Illuminated Mushroom pushbutton	40mm momentary
		 3SU1001-1BA.-0AA0	 3SU1051-1BA.-0AA0	Illuminated Mushroom pushbutton	40mm pull to unlatch
			 3SU1051-1CD.-0AA0	Illuminated Mushroom pushbutton	60mm momentary
			 3SU1051-1CA.-0AA0	Illuminated Mushroom pushbutton	60mm pull to unlatch



Replace ". " in part numbers above with the 2 digit code corresponding to required colour

ACTUATORS

		PART NUMBER		DESCRIPTION	
		PLASTIC	METAL		
		3SU1000-1HA20-0AA0	3SU1050-1HA20-0AA0	Emergency stop	40mm pull to unlatch
		3SU1000-1GB20-0AA0	3SU1050-1GB20-0AA0	Emergency stop	33.8mm rotate to unlatch
		3SU1000-1HB20-0AA0	3SU1050-1HB20-0AA0	Emergency stop	40mm rotate to unlatch
		3SU1000-1HF20-0AA0	3SU1050-1HF20-0AA0	Emergency stop	40mm with Ronis lock (SB30) key release
		3SU1000-1HG20-0AA0	3SU1050-1HG20-0AA0	Emergency stop	40mm with Ronis lock (455) key release
		3SU1001-1GB20-0AA0	3SU1051-1GB20-0AA0	Illuminable Emergency stop	30mm rotate to unlatch
		3SU1001-1HB20-0AA0	3SU1051-1HB20-0AA0	Illuminable Emergency stop	40mm rotate to unlatch
			3SU1050-1JB20-0AA0	Emergency stop	60mm rotate to unlatch
		3SU1000-3EA10-0AA0	3SU1050-3EA10-0AA0	Toggle switch	Black latching
		 3SU1002-2BC.-0AA0	 3SU1052-2BC.-0AA0	Selector switch	2 Position momentary
		 3SU1002-2BF.-0AA0	 3SU1052-2BF.-0AA0	Selector switch	2 Position latching
		 3SU1002-2CF.-0AA0	 3SU1052-2CF.-0AA0	Selector switch long	2 Position latching
		 3SU1002-2AF.-0AA0		Rotary knob	2 Position latching
		 3SU1002-2BM.-0AA0	 3SU1052-2BM.-0AA0	Selector switch	3 Position momentary
		 3SU1002-2BL.-0AA0	 3SU1052-2BL.-0AA0	Selector switch	3 Position latching
		 3SU1002-2BP10-0AA0	 3SU1052-2BP.-0AA0	Selector switch	3 Position momentary/ latching reset from left
		 3SU1002-2BN10-0AA0	 3SU1052-2BN.-0AA0	Selector switch	3 Position latching/ momentary reset from right



Replace ". " in part numbers above with the 2 digit code corresponding to required colour

ACTUATORS

4 Position selector switch (actuator only)



OPERATING PRINCIPLE	PART NUMBER	DESCRIPTION
Latching, 4x90° (3/6/9/12 o'clock) 	3SU1000-2AS60-0AA0	Plastic rotary 4 position knob
	3SU1050-2AS60-0AA0	Metal rotary 4 position knob

Plastic - 2 Position key switch (actuator only)



	3SU1000-4BC01-0AA0	Momentary contact 45° key removeable in O position Ronis SB30 key
	3SU1000-4BF01-0AA0	Latching contact 90° key removeable in O position Ronis SB30 key
	3SU1000-4BF11-0AA0	Latching contact 90° key removeable in O + I position Ronis SB30 key

Plastic - 3 Position key switch (actuator only)



	3SU1000-4BM01-0AA0	Momentary contact, 2x45° key removeable in O position Ronis SB30 key"
	3SU1000-4BL11-0AA0	Latching contact, 2x45° key removeable in I-O-II positions Ronis SB30 key

Metal - 2 Position key switch (actuator only)



	3SU1050-4BC01-0AA0	Momentary contact 45° key removeable in O position Ronis SB30 key
	3SU1050-4BF01-0AA0	Latching contact 90° key removeable in O position Ronis SB30 key

Metal - 3 Position key switch (actuator only)



	3SU1050-4BM01-0AA0	Momentary contact, 2x45° key removeable in O position Ronis SB30 key
	3SU1050-4BL11-0AA0	Latching contact, 2x45° key removeable in I-O-II positions Ronis SB30 key

Potentiometers



3SU1200-2PQ10-1AA0	1kΩ Rotary knob
3SU1200-2PW10-1AA0	2.2kΩ Rotary knob
3SU1200-2PR10-1AA0	4.7kΩ Rotary knob
3SU1200-2PS10-1AA0	10kΩ Rotary knob

Acoustic signaling devices



3SU1200-6KB10-1AA0	24V AC/DC 90dB Acoustic unit
3SU1200-6KF10-1AA0	230V AC/DC 90dB Acoustic unit

PUSH BUTTONS 30MM METAL (3SU) 30MM CUTOUT IP69K

Push buttons - flush



PART NUMBER	COLOUR
3SU1060-0JB10-0AA0	Black
3SU1060-0JB20-0AA0	Red
3SU1060-0JB30-0AA0	Yellow
3SU1060-0JB40-0AA0	Green
3SU1060-0JB50-0AA0	Blue
3SU1060-0JB60-0AA0	White

Push buttons - illuminated - flush



3SU1061-0JB70-0AA0	Clear
3SU1061-0JB20-0AA0	Red
3SU1061-0JB30-0AA0	Yellow
3SU1061-0JB40-0AA0	Green
3SU1061-0JB50-0AA0	Blue

Indicator - flush



3SU1061-0JB70-0AA0	Clear
3SU1061-0JB20-0AA0	Red
3SU1061-0JB30-0AA0	Yellow
3SU1061-0JB40-0AA0	Green
3SU1061-0JB50-0AA0	Blue

Selector switch



3SU1062-2DF10-0AA0	2 position
3SU1062-2DL10-0AA0	3 position

PUSH BUTTON ACCESSORIES (3SU)

Sealing Plugs



3SU1900-0FA10-0AA0	Plastic Sealing Plugs for 22mm Holes
3SU1950-0FA80-0AA0	Metal Sealing Plugs for 22mm Holes

Note: The sealing plug is mounted with a holder

Mounting & Connecting



3SU1900-0KH80-0AA0	Adapter for DIN rail mounting
3SU1950-0KB10-0AA0	Adapters for 30.5mm to 22.5mm mounting hole**
3SU1900-0JJ10-0AA0	M12 plug adapter 4 pole
3SU1900-0JK10-0AA0	M12 plug adapter 5 pole



** Adapters for 30.5mm to 22.5mm mounting hole

PUSH BUTTON ACCESSORIES (3SU)

Label Holders, round bottom, self adhesive fixing

PART NUMBER	COLOUR
3SU1900-0AG10-0AA0	Label Holder,12.5x27mm
3SU1900-0AH10-0AA0	Label Holder,17.5x27mm



Label Holders, round bottom, snap on fixing

3SU1900-0AR10-0AA0	Label Holder,12.5x27mm
3SU1900-0AS10-0AA0	Label Holder,17.5x27mm

Label Holders, square bottom, self adhesive fixing

3SU1900-0AN10-0AA0	Label Holder,12.5x27mm
3SU1900-0AP10-0AA0	Label Holder,17.5x27mm
3SU1900-0AQ10-0AA0	Label Holder,27x27mm



Black label, white lettering, 12.5x27mm

3SU1900-0AC16-0AA0	Blank
3SU1900-0AC16-0DH0	"Off On"
3SU1900-0AC16-0DS0	"Stop"
3SU1900-0AC16-0DT0	"Start"
3SU1900-0AC16-0DU0	"Reset"
3SU1900-0AC16-0DY0	"MAN O AUTO"
	other standard and custom labals on request



Black label, white lettering, 17.5x27mm

3SU1900-0AD16-0AA0	Blank
3SU1900-0AD16-0DS0	"Stop"
3SU1900-0AD16-0DT0	"Start"
3SU1900-0AD16-0DL0	"Up"
3SU1900-0AD16-0DM0	"Down"
3SU1900-0AD16-0EB0	"Running"
3SU1900-0AD16-0EC0	"Fault"
	other standard and custom labals on request



Emergency Stop

3SU1900-0BC31-0DA0	Backing plate (0.3mm)
3SU1900-0BB31-0DA0	Backing plate (2mm)
3SU1901-0BD31-0DA0	Illuminated backing plate 24V AC/DC (5mm)



Protective Caps

3SU1900-0DB70-0AA0	PROTECTIVE SILICONE CAP FOR FLAT BUTTON
3SU1900-0DY30-0AA0	M/Room PB Protect Collar,180 Degree,Ylw
3SU1900-0EA30-0AA0	E/Stop Protective Collar,360 Degree,Ylw
3SU1900-0DG70-0AA0	Protection Cap,Silicone,Suit 3SU1 Twin
3SU1900-0EB10-0AA0	Dust cap for key-operated switch
3SU1900-0EF70-0AA0	SILICON FREE PROTECTIVE COVER For Selector Short
3SU1900-0EK70-0AA0	SILICON FREE PROTECTIVE COVER FOR TWIN
3SU1900-0DF70-0AA0	PROT. SILICONE CAP FOR EM.STOP MRH 40mm



PUSH BUTTON ENCLOSURES (3SU)

Complete control station - plastic



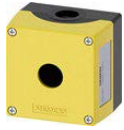
PART NUMBER	ENCLOSURE COLOUR	ACTUATOR TYPE / COLOUR	NO CONTACT	NC CONTACT
3SU1801-0AB00-2AB1	Grey	Push Button / Green	1	-
3SU1802-0AB00-2AB1	Grey	Push Button / Green	1	-
		Push Button / Red	-	1
3SU1801-0NA00-2AA2	Yellow	Estop	-	1
3SU1801-0NA00-2AC2	Yellow with Collar	Estop	-	1
3SU1801-2NG00-2AA2	Yellow	Red Palm	1	1
3SU1801-2GA00-2AA1	Grey	Black Palm Momentary	1	-

Complete control station - metal



3SU1851-0AB00-2AB1	Grey	Push Button / Green	1	-
3SU1852-0AB00-2AB1	Grey	Push Button / Green	1	-
		Push Button / Red	-	1
3SU1851-0NA00-2AA2	Yellow	E-Stop / Red	-	1
3SU1851-0NA00-2AC2	Yellow with Collar	E-Stop / Red	-	1
3SU1851-2NG00-2AA2	Yellow	Red Palm	1	1
3SU1851-2GA00-2AA1	Grey	Black Palm Momentary	1	-

Empty enclosures - plastic



PART NUMBER	ENCLOSURE COLOUR	NUMBER OF HOLES
3SU1801-0AA00-0AA2	Yellow	1
3SU1801-0AA00-0AC2	Yellow with Collar	1
3SU1801-0AA00-0AB1	Grey	1
3SU1802-0AA00-0AB1	Grey	2
3SU1803-0AA00-0AB1	Grey	3
3SU1804-0AA00-0AB1	Grey	4
3SU1806-0AA00-0AB1	Grey	6

Empty enclosures - metal



3SU1851-0AA00-0AA2	Yellow	1
3SU1851-0AA00-0AC2	Yellow with Collar	1
3SU1851-0AA00-0AB1	Grey	1
3SU1852-0AA00-0AB1	Grey	2
3SU1853-0AA00-0AB1	Grey	3
3SU1854-0AA00-0AB1	Grey	4
3SU1856-0AA00-0AB1	Grey	6

Empty enclosures - 304 stainless steel



2384010	Natural	1
2384020	Natural	2
2384030	Natural	3

APS PUSH BUTTON CODES TO SIEMENS PART NUMBERS (FOR WHOLESALERS ONLY)

APS ORDER CODE	SIEMENS PART NUMBER	APS ORDER CODE	SIEMENS PART NUMBER	APS ORDER CODE	SIEMENS PART NUMBER
CONBM-01	3SU14002AA101CA0	IND-P-24-BLU	3SU11026AA501AA0	PBI-M30-BLU	3SU10610JB500AA0
CONBM-10	3SU14002AA101BA0	IND-P-24-CLR	3SU11026AA701AA0	PBI-M30-CLR	3SU10610JB700AA0
CONPM-01	3SU14001AA101CA0	IND-P-24-GRN	3SU11026AA401AA0	PBI-M30-GRN	3SU10610JB400AA0
CONPM-10	3SU14001AA101BA0	IND-P-24-RED	3SU11026AA201AA0	PBI-M30-RED	3SU10610JB200AA0
CONPM-11	3SU14001AA101FA0	IND-P-24-WHT	3SU11026AA601AA0	PBI-M30-YLW	3SU10610JB300AA0
CONPM-ESTOP	3SU14001AA101HA0	IND-P-24-YLW	3SU11026AA301AA0	PBI-P-110-BLU	3SU11030AB501BA0
ENC-M-ESTOP1	3SU18510NA002AA2	LABEL BLANK	3SU19000AC160AA0	PBI-P-110-GRN	3SU11030AB401BA0
ENC-M-ESTOP2	3SU18510NA002AC2	LEDBM-110-BLU	3SU14012BC501AA0	PBI-P-110-RED	3SU11030AB201CA0
ENC-M-PB1	3SU18510AB002AB1	LEDBM-110-GRN	3SU14012BC401AA0	PBI-P-110-WHT	3SU11030AB601BA0
ENC-M-PB2	3SU18520AB002AB1	LEDBM-110-RED	3SU14012BC201AA0	PBI-P-110-YLW	3SU11030AB301BA0
ENC-P-ESTOP1	3SU18010NA002AA2	LEDBM-110-WHT	3SU14012BC601AA0	PBI-P-230-BLU	3SU11060AB501BA0
ENC-P-ESTOP2	3SU18010NA002AC2	LEDBM-110-YLW	3SU14012BC301AA0	PBI-P-230-GRN	3SU11060AB401BA0
ENC-P-PB1	3SU18010AB002AB1	LEDBM-230-BLU	3SU14012BF501AA0	PBI-P-230-RED	3SU11060AB201CA0
ENC-P-PB2	3SU18020AB002AB1	LEDBM-230-GRN	3SU14012BF401AA0	PBI-P-230-WHT	3SU11060AB601BA0
ESTOP-M	3SU11501HB201CG0	LEDBM-230-RED	3SU14012BF201AA0	PBI-P-230-YLW	3SU11060AB301BA0
ESTOP-P	3SU11001HB201CG0	LEDBM-230-WHT	3SU14012BF601AA0	PBI-P-24-BLU	3SU11020AB501BA0
HOLDER3-M	3SU15500AA100AA0	LEDBM-230-YLW	3SU14012BF301AA0	PBI-P-24-GRN	3SU11020AB401BA0
HOLDER3-P	3SU15000AA100AA0	LEDBM-24-BLU	3SU14012BB501AA0	PBI-P-24-RED	3SU11020AB201CA0
IND-M-110-BLU	3SU11536AA501AA0	LEDBM-24-GRN	3SU14012BB401AA0	PBI-P-24-WHT	3SU11020AB601BA0
IND-M-110-CLR	3SU11536AA701AA0	LEDBM-24-RED	3SU14012BB201AA0	PBI-P-24-YLW	3SU11020AB301BA0
IND-M-110-GRN	3SU11536AA401AA0	LEDBM-24-WHT	3SU14012BB601AA0	PB-M30- BLK	3SU10600JB100AA0
IND-M-110-RED	3SU11536AA201AA0	LEDBM-24-YLW	3SU14012BB301AA0	PB-M30-BLU	3SU10600JB500AA0
IND-M-110-WHT	3SU11536AA601AA0	LEDPM-110-BLU	3SU14011BC501AA0	PB-M30-GRN	3SU10600JB400AA0
IND-M-110-YLW	3SU11536AA301AA0	LEDPM-110-GRN	3SU14011BC401AA0	PB-M30-RED	3SU10600JB200AA0
IND-M-230-BLU	3SU11566AA501AA0	LEDPM-110-RED	3SU14011BC201AA0	PB-M30-WHT	3SU10600JB600AA0
IND-M-230-CLR	3SU11566AA701AA0	LEDPM-110-WHT	3SU14011BC601AA0	PB-M30-YLW	3SU10600JB300AA0
IND-M-230-GRN	3SU11566AA401AA0	LEDPM-110-YLW	3SU14011BC301AA0	PB-M-BLK	3SU11500AB101BA0
IND-M-230-RED	3SU11566AA201AA0	LEDPM-230-BLU	3SU14011BF501AA0	PB-M-BLU	3SU11500AB501BA0
IND-M-230-WHT	3SU11566AA601AA0	LEDPM-230-GRN	3SU14011BF401AA0	PB-M-GRN	3SU11500AB401BA0
IND-M-230-YLW	3SU11566AA301AA0	LEDPM-230-RED	3SU14011BF201AA0	PB-M-RED	3SU11500AB201CA0
IND-M-24-BLU	3SU11526AA501AA0	LEDPM-230-WHT	3SU14011BF601AA0	PB-M-WHT	3SU11500AB601BA0
IND-M-24-CLR	3SU11526AA701AA0	LEDPM-230-YLW	3SU14011BF301AA0	PB-M-YLW	3SU11500AB301BA0
IND-M-24-GRN	3SU11526AA401AA0	LEDPM-24-BLU	3SU14011BB501AA0	PB-P-BLK	3SU11000AB101BA0
IND-M-24-RED	3SU11526AA201AA0	LEDPM-24-GRN	3SU14011BB401AA0	PB-P-BLU	3SU11000AB501BA0
IND-M-24-WHT	3SU11526AA601AA0	LEDPM-24-RED	3SU14011BB201AA0	PB-P-GRN	3SU11000AB401BA0
IND-M-24-YLW	3SU11526AA301AA0	LEDPM-24-WHT	3SU14011BB601AA0	PB-P-RED	3SU11000AB201CA0
IND-M30-BLU	3SU10610JD500AA0	LEDPM-24-YLW	3SU14011BB301AA0	PB-P-WHT	3SU11000AB601BA0
IND-M30-CLR	3SU10610JD700AA0	LHOLDER	3SU19000AN100AA0	PB-P-YLW	3SU11000AB301BA0
IND-M30-GRN	3SU10610JD400AA0	PBI-M-110-BLU	3SU11530AB501BA0	SEL2-M30	3SU10622DF600AA0
IND-M30-RED	3SU10610JD200AA0	PBI-M-110-GRN	3SU11530AB401BA0	SEL2-M-NO	3SU11502BF601BA0
IND-M30-YLW	3SU10610JD300AA0	PBI-M-110-RED	3SU11530AB201CA0	SEL2-M-NO+NC	3SU11502BF601MA0
IND-P-110-BLU	3SU11036AA501AA0	PBI-M-110-WHT	3SU11530AB601BA0	SEL2-P-NO	3SU11002BF601BA0
IND-P-110-CLR	3SU11036AA701AA0	PBI-M-110-YLW	3SU11530AB301BA0	SEL2-P-NO+NC	3SU11002BF601MA0
IND-P-110-GRN	3SU11036AA401AA0	PBI-M-230-BLU	3SU11560AB501BA0	SEL3-M30	3SU10622DL600AA0
IND-P-110-RED	3SU11036AA201AA0	PBI-M-230-GRN	3SU11560AB401BA0	SEL3-M-NO	3SU11502BL601NA0
IND-P-110-WHT	3SU11036AA601AA0	PBI-M-230-RED	3SU11560AB201CA0	SEL3-P-NO	3SU11002BL601NA0
IND-P-110-YLW	3SU11036AA301AA0	PBI-M-230-WHT	3SU11560AB601BA0		
IND-P-230-BLU	3SU11066AA501AA0	PBI-M-230-YLW	3SU11560AB301BA0		
IND-P-230-CLR	3SU11066AA701AA0	PBI-M-24-BLU	3SU11520AB501BA0		
IND-P-230-GRN	3SU11066AA401AA0	PBI-M-24-GRN	3SU11520AB401BA0		
IND-P-230-RED	3SU11066AA201AA0	PBI-M-24-RED	3SU11520AB201CA0		
IND-P-230-WHT	3SU11066AA601AA0	PBI-M-24-WHT	3SU11520AB601BA0		
IND-P-230-YLW	3SU11066AA301AA0	PBI-M-24-YLW	3SU11520AB301BA0		

SIGNALLING COLUMNS 8WD4

Complete control station - plastic

PART NUMBER	DESCRIPTION	COLOUR	VOLTAGE
8WD4308-OCA	Bracket for wall mounting, for mounting on one side, without foot and pipe	Black	-
8WD4308-ODB	Mounting foot plastic will accept pipe up to 400 mm	Black	-
8WD4308-ODD	Connection socket for lateral cable entry Side cable outlet	Black	-
8WD4308-OEA	Aluminium pipe 250 mm for mounting foot	-	-
8WD4308-0EB	Aluminium pipe 400 mm for mounting foot	-	-
8WD4408-OAD	Connection element with cover for pipe mounting, spring-type terminal	Black	-
8WD4408-OAA	Connection element, with end cover, black, for pipe mounting, screw terminal	Black	-
8WD4408-OAB	Connection element with cover for floor/angle mounting, screw terminal	Black	-
8WD4420-0FA	Buzzer element, continuous tone or pulsating, adjustable, 85 dB, diameter 70 mm	Black	24V AC/DC
8WD4420-5AB	Continuous light element with integrated LED, Diameter 70 mm	Red	24V AC/DC
8WD4420-5AC	Continuous light element with integrated LED, Diameter 70 mm	Green	24V AC/DC
8WD4420-5AD	Continuous light element with integrated LED, Diameter 70 mm	Yellow	24V AC/DC
8WD4420-5AE	Continuous light element with integrated LED, Diameter 70 mm	Clear	24V AC/DC
8WD4420-5AF	Continuous light element with integrated LED, Diameter 70 mm	Blue	24V AC/DC

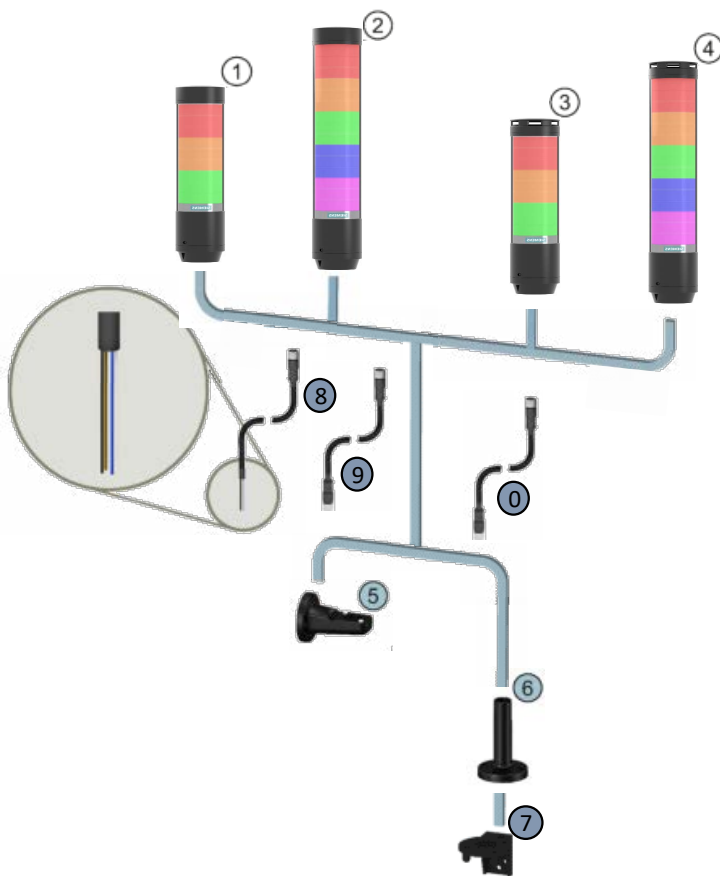
1	Acoustic element
2	Light element
3	Connection Element 8WD4408-0AB
4	Connection Element 8WD4408-0AA
5	Bracket for wall mounting 8WD4308-OCA
6	Bracket for wall mounting (two-sided) 8WD4308-OCB
7	Socket 8WD4308-0DD
8	Bracket for base mounting 8WD4408-0CD
9	Foot with pipe 8WD4308-0DA
10	Pipe 8WD4208-0EF/8WD4308-0E.
11	Foot for mounting with pipe 8WD4308-0DB
12	Socket 8WD4308-0DD
13	Socket (magnetic fixing) 8WD4308-0DE
14	Bracket for mounting with foot 8WD4408-0CC



SIGNALLING COLUMNS 8WD46

Complete control station - plastic

PART NUMBER		DESCRIPTION	LEGEND	
Conventional	IO-link			
8WD4613-5HH37	8WD4613-5HH47	9 Segment non acoustic	1	
8WD4615-5HH37	8WD4615-5HH47	15 Segment non acoustic	2	
8WD4613-5JH37	8WD4613-5JH47	9 segment acoustic	3	
8WD4615-5JH37	8WD4615-5JH47	15 segment acoustic	4	
8WD4618-OCA		Wall mount bracket	5	
8WD4618-ODA		Foot with tube (100mm)	6	
8WD4408-OCC		Bracket for foot	7	
3SX5601-2GA03	3SX5601-3SB54	M12 plug, 8-pole - open	3m	8
3SX5601-2GA05			5m	
3SX5601-2GA10			10m	
3SX5601-2GA15			15m	
3SX5601-3SV18		M12 socket and M12 plug, 8 pin, 1m	9	
	3SX5601-3SV15	M12 socket and M12 plug, 5 pin, 1m	0	
8WD4618-OFB		USB prog. cable, 2m USB-A to USB-C		



3SE5 POSITION SWITCHES

Commonly used complete position switches

31mm Plastic

1x (M20 x 1.5) 1 NO/1 NC quick action contacts

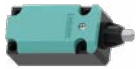


PART NUMBER	DESCRIPTION	CONTACTS
3SE5232-0CC05	Rounded plunger	1NO+1NC
3SE5232-0HE10	Roller lever	1NO+1NC*
3SE5232-0HF10	Angular roller lever	1NO+1NC*
3SE5232-0HK21	Twist lever	1NO+1NC*
3SE5232-0HK50	Twist lever adjustable length	1NO+1NC*

* Integrated contacts - not replaceable

40mm Metal

1x (M20 x 1.5) 1 NO/1 NC quick action contacts



3SE5112-0CC02	Rounded plunger, high grade steel	1NO+1NC
3SE5112-0CD02	Roller plunger	1NO+1NC
3SE5112-0CH01	Twist lever	1NO+1NC
3SE5112-0CH50	Twist lever adjustable length	1NO+1NC

56mm Metal

1x (M20 x 1.5) 1 NO/1 NC quick action contacts



3SE5122-0CE01	Roller lever	1NO+1NC
3SE5122-0CH01	Twist lever	1NO+1NC
3SE5122-0CH50	Twist lever, adjustable length	1NO+1NC

Other variants available in different sizes, connection methods and contact configurations refer IC10 catalogue
Above variants have snap action contacts, slow action also available.



3SE5 POSITION SWITCHES (COMPONENTS)

Commonly used complete position switches

31mm Switch



PART NUMBER		DESCRIPTION
PLASTIC	METAL	
3SE5232-0CC05	3SE5212-0CC05	Basic switch, 31mm plastic, 1NO+1NC
3SE5000-0AD03	3SE5000-0AD03	Roller plunger
3SE5000-0AE10	3SE5000-0AE11	Roller lever
3SE5000-0AF10	3SE5000-0AF11	Angular roller lever
3SE5000-0AR01	3SE5000-0AR01	Spring rod
3SE5000-0AK00	3SE5000-0AK00	Twist actuator required for the following:
3SE5000-0AA21	3SE5000-0AA22	Twist lever 21mm
3SE5000-0AA50	3SE5000-0AA51	Adjustable length twist lever - plastic roller
3SE5000-0AA60	3SE5000-0AA61	Adjustable grid length twist lever - plastic roller
3SE5000-0AA80	3SE5000-0AA80	Rod actuator 200mm

40mm Steel



3SE5112-0CA00		Basic switch, 31mm plastic, 1NO+1NC
3SE5000-0AE01		Roller lever - plastic
3SE5000-0AE02		Roller lever - steel
3SE5000-0AF01		Angular roller lever - plastic
3SE5000-0AF02		Angular roller lever - steel
3SE5000-0AH00		Twist actuator required for the following:
3SE5000-0AA02		Twist lever 21mm
3SE5000-0AA51		Adjustable length twist lever - steel roller
3SE5000-0AA61		Adjustable grid length twist lever - steel roller
3SE5000-0AA80		Rod actuator 200mm

3SE5 SAFETY SWITCHES

Safety switch with separate actuator, 5 approach directions, without locking device



PART NUMBER		DESCRIPTION		
PLASTIC	METAL		WIDTH	COMPATIBLE ACTUATORS
3SE5232-0RV40	3SE5212-0RV40	Slow action 1NC/1NO	31mm	1,2,3,4,5
3SE5132-0QV20	3SE5112-0QV10	Slow action 2NC/1NO	40mm	1,2,3,4,5
3SE5242-0QV40	-	Slow action 2NC/1NO	50mm	1,2,3,4,5
-	3SE5122-0QV10	Slow action 2NC/1NO	56mm	1,2,3,4,5

Safety switch with tumbler



PLASTIC 1300N	METAL 2600N			
3SE5322-0SD21	3SE5312-0SD11	With Auxiliary release	24VDC	All
3SE5322-0SE21	3SE5312-0SE11	With Auxiliary release and lock	24VDC	All
3SE5322-0SF21	3SE5312-0SF11	With escape release from the front	24VDC	All
3SE5322-0SB21	3SE5312-0SB11	With solenoid lock	24VDC	All

Actuators



PLASTIC 1300N	METAL 2600N		
3SE5000-0AV01	Standard actuator	75.6mm	1
3SE5000-0AV02	Standard actuator with vertical fixing	53mm	2
3SE5000-0AV03	Standard actuator with transverse fixing	47mm	3
3SE5000-0AV04	Radius actuator - left approach	51mm	4
3SE5000-0AV05	Radius actuator - right approach	51mm	5
3SE5000-0AW51	H.G Steel Actuator	75.6mm	6
3SE5000-0AW52	H.G Steel Actuator with vertical fixing	53mm	7
3SE5000-0AW53	H.G Steel Actuator with transverse fixing	47mm	8

SOFT STARTERS - SIRIUS 3RW

SIRIUS 3RW soft starters are a cost-effective alternative to using direct or star-delta starters for starting three-phase motors. They avoid undesirable side effects such as mechanical stresses or voltage drops in the mains supply.



APPLICATION	BASIC PERFORMANCE			GENERAL PERFORMANCE	HIGH PERFORMANCE
	3RW30	3RW40	3RW50	3RW52	3RW55/55F
Normal starting (CLASS 10)	The soft starter rating can be selected to be as high as the rating of the motor used*				
Pumps	●	●	●	●	●
Pumps with special pump ramp-down (to prevent water hammer)			○	○	●
Heat pumps	●	●	●	●	●
Hydraulic pumps	○	●	●	●	●
Presses	○	●	●	●	●
Conveyor belts	○	●	●	●	●
Roller conveyors	○	●	●	●	●
Screw conveyors	○	●	●	●	●
Escalators		●	●	●	●
Piston compressors		●	●	●	●
Screw compressors		●	●	●	●
Small fans ¹⁾		●	●	●	●
Centrifugal blowers		●	●	●	●
Bow thrusters		●	●	●	●
Heavy starting (CLASS 20)	The soft starter has to be selected one performance class higher than the motor used*				
Stirrer		○	○	○	●
Extruders		○	○	○	●
Lathes		○	○	○	●
Milling machines		○	○	○	●
Very heavy starting (CLASS 30)	The soft starter has to be selected two performance classes higher than the motor used*				
Large fans ²⁾					●
Circular saws/bandsaws					●
Centrifuges					●
Mills					●
Crushers					●

● Recommended soft starter

○ Possible soft starter

1) The mass inertia of the fan is < 10 times the mass inertia of the motor

2) The mass inertia of the fan is ≥ 10 times the mass inertia of the motor

To select the appropriate softstarter, ideally the following questions need to be answered.

If we get answers to all questions below, STS can be used for selection. If only **blue** questions are answered, you can use the chart above.

Motor data

Rated Power or Current. ----- kW or A

Rated voltage ----- V

Motor Speed ----- rpm

Load data

Type of load ----- pump, conveyor, agitator

Load speed ----- rpm

Rated torque or power ----- Nm or kW

Moment of inertia ----- kg*m²

Starting conditions

Ambient temperature ----- deg C

Number of starts per hour -----

Current limit required? ----- yes/no

Sundry

Communications required? no Profibus Modbus RTU Profinet Modbus TCP Ethernet IP

--	--	--	--	--	--

Operator panel required? No Basic Panel HF Panel

--	--	--

Control Voltage ----- V

Safety Level SIL1 SIL3

--	--

Is feeder required? Type 1 Type 2

If so type 1 or type 2 coordination

--	--

3RW30, 40 AND 50 SOFT STARTERS TWO PHASE CONTROL

3RW30 soft starters with built-in bypass contactor



AMPS AT 40 DEG C	KW @ 400V	PART NUMBER	SIZE
9	4	3RW3016-1BB.4	0
12.5	5.5	3RW3017-1BB.4	0
17.6	7.5	3RW3018-1BB.4	0
25	11	3RW3026-1BB.4	0
32	15	3RW3027-1BB.4	0
38	18.5	3RW3028-1BB.4	0

3RW40 soft starters with built-in bypass contactor & overload



12.5	5.5	3RW4024-1BB.4	0
25	11	3RW4026-1BB.4	0
32	15	3RW4027-1BB.4	0
38	18.5	3RW4028-1BB.4	0
45	22	3RW4036-1BB.4	2
63	30	3RW4037-1BB.4	2
72	37	3RW4038-1BB.4	2
80	45	3RW4046-1BB.4	3
106	55	3RW4047-1BB.4	3

3RW50 soft starters with built-in bypass contactor, overload and thermistor protection



143	75	3RW5055-6TB.4	6
171	90	3RW5056-6TB.4	6
210	110	3RW5072-6TB.4	12
250	132	3RW5073-6TB.4	12
315	160	3RW5074-6TB.4	12
370	200	3RW5075-6TB.4	12
470	250	3RW5076-6TB.4	12
570	315	3RW5077-6TB.4	12

Replace missing character (.) with code for voltage required.

V	24VAC/DC	110...230VAC
Code	0	1

Covers for soft starters

PART NUMBER	SIZE
3RT1936-4EA2	2
3RT1946-4EA2	3
3RT1956-4EA2	6
3RT1966-4EA2	12

Terminal Covers For Cable Lugs & Busbar

(2 Required Per Device)



3RT1946-4EA1	3
3RT1956-4EA1	6
3RT1966-4EA1	12

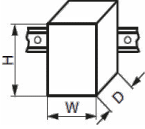
3RW52 SOFT STARTERS

SIRIUS 3RW52 soft starters provide true 3 phase control combined with minimal heat dissipation. As with all SIRIUS soft starters in-built bypass is included. Simple control allow for fast setup of motor start/stop as well as protection parameters. The 3RW52 can be ordered with either thermistor input or an analogue output.



- Choice of analogue output or thermistor input
- Choice of Standard or High Feature operator panel mounted on the 3RW52 or the door
- Simple parameterization
- Pump stopping function



TYPE	3RW521.	3RW522./3RW523	3RW524.
Installation dimensions (W x H x D)mm	 Frame Size 1 170 x 275 x 152	Frame Size 2 185 x 306 x 203	Frame Size 4 210 x 393 x 203

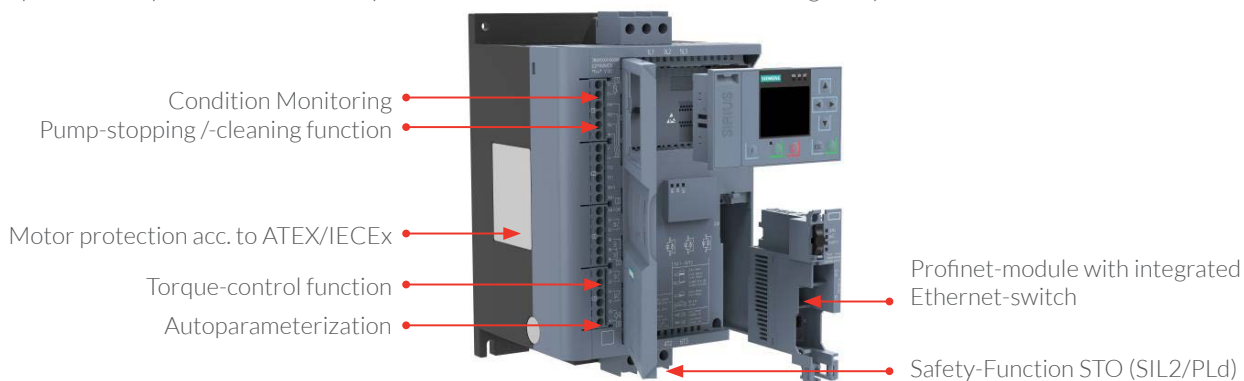
AMPS AT 40 DEG C	INLINE CIRCUIT KW RATING	FRAME SIZE	PART NUMBER
13	5.5	1	3RW5213-1 ◆ C ◆ 4
18	7.5	1	3RW5214-1 ■ C ■ 4
25	11	1	3RW5215-1 ◆ C ◆ 4
32	15	1	3RW5216-1 ■ C ■ 4
38	18.5	1	3RW5217-1 ◆ C ◆ 4
47	22	2	3RW5224-1 ■ C ■ 4
63	30	2	3RW5225-1 ◆ C ◆ 4
77	37	2	3RW5226-1 ■ C ■ 4
93	45	2	3RW5227-1 ◆ C ◆ 4
With analogue output			A ■ ■
With thermistor input			T ■ ■
24VAC/DC Control Voltage			0 ■ ■
110...250VAC Control Voltage			1 ■ ■

113	55	3	3RW5234-2 ◆ C ◆ 4
143	75	3	3RW5235-2 ■ C ■ 4
171	90	3	3RW5236-2 ◆ C ◆ 4
210	110	4	3RW5243-2 ■ C ■ 4
250	132	4	3RW5244-2 ◆ C ◆ 4
315	160	4	3RW5245-2 ■ C ■ 4
370	200	4	3RW5246-2 ◆ C ◆ 4
470	250	4	3RW5247-2 ■ C ■ 4
570	315	4	3RW5248-2 ◆ C ◆ 4
With analogue output			A ■ ■
With thermistor input			T ■ ■
24VAC/DC Control Voltage			0 ■ ■
110...250VAC Control Voltage			1 ■ ■

Thermistor input units stocked.

3RW55 SOFT STARTERS

SIRIUS 3RW55 is a high feature soft starter offering maximum flexibility for motor starting applications. As with all SIRIUS soft starters in-built bypass is included. To ensure correct setup, this softstarter includes an auto parameterization feature which optimizes the parameters with every start. This ensures soft and smooth starting every time.



TYPE	3RW551.	3RW552./3RW553.	3RW554.	3RW555.
Installation dimensions (W x H x D)mm	Frame Size 1 170 x 275 x 152	Frame Size 2/3 185 x 306 x 203	Frame Size 4 210 x 393 x 203	Frame Size 5 478 x 764 x 241

3RW55 HIGH FEATURE SOFTSTARTER



AMPS AT 40 DEG C	INLINE CIRCUIT KW RATING	FRAME SIZE	PART NUMBER
13	5.5	1	3RW5513-1HA ◆ 4
18	7.5	1	3RW5514-1HA ◆ 4
25	11	1	3RW5515-1HA ◆ 4
32	15	1	3RW5516-1HA ◆ 4
38	18.5	1	3RW5517-1HA ◆ 4
47	22	2	3RW5524-1HA ◆ 4
63	30	2	3RW5525-1HA ◆ 4
77	37	2	3RW5526-1HA ◆ 4
93	45	2	3RW5527-1HA ◆ 4
113	55	3	3RW5534-6HA ◆ 4
143	75	3	3RW5535-6HA ◆ 4
171	90	3	3RW5536-6HA ◆ 4
210	110	4	3RW5543-6HA ◆ 4
250	132	4	3RW5544-6HA ◆ 4
315	160	4	3RW5545-6HA ◆ 4
370	200	4	3RW5546-6HA ◆ 4
470	250	4	3RW5547-6HA ◆ 4
570	315	4	3RW5548-6HA ◆ 4
630	355	5	3RW5552-6HA ◆ 4
720	400	5	3RW5553-6HA ◆ 4
840	450	5	3RW5554-6HA ◆ 4
1100	560	5	3RW5556-6HA ◆ 4
1280	710	5	3RW5558-6HA ◆ 4

3RW55F FAILSAFE SOFTSTARTER

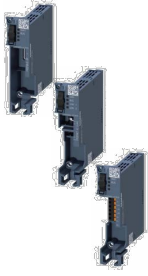


13	5.5	1	3RW5513-1HF◆4
18	7.5	1	3RW5514-1HF◆4
25	11	1	3RW5515-1HF◆4
32	15	1	3RW5516-1HF◆4
38	18.5	1	3RW5517-1HF◆4
47	22	2	3RW5524-1HF◆4
63	30	2	3RW5525-1HF◆4
77	37	2	3RW5526-1HF◆4
93	45	2	3RW5527-1HF◆4
113	55	3	3RW5534-6HF◆4
143	75	3	3RW5535-6HF◆4
171	90	3	3RW5536-6HF◆4
210	110	4	3RW5543-6HF◆4
250	132	4	3RW5544-6HF◆4
315	160	4	3RW5545-6HF◆4
370	200	4	3RW5546-6HF◆4
470	250	4	3RW5547-6HF◆4
570	315	4	3RW5548-6HF◆4

Article No. supplement for rated control supply voltage	
24VAC/DC	0
110...250VAC	1

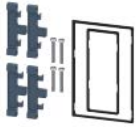
3RW5 ACCESSORIES

Communications modules



PART NUMBER	DESCRIPTION
3RW5980-0CP00	Profibus
3RW5980-0CS00	Profinet standard
3RW5980-0CH00	Profinet High - Feature with integrated switch
3RW5980-0CE00	Ethernet IP
3RW5980-0CT00	Modbus TCP
3RW5980-0CR00	Modbus RTU

HMI modules and connection cables



3RW5980-0HF00	HMI high feature HMI with colour LCD display for softstarter control and monitoring of all measured variables and faults. Can be mounted on the softstarter or on cabinet door
3RW5980-0HL00	Interface cover (spare part)
3RW5980-0HS00	HMI standard (for 3RW50 & 52 Only) HMI with LED display for softstarter control and monitoring. Can be mounted on the 3RW52 softstarter or on cabinet door
3RW5980-0HD00	Door monitng kit IP65
3RW5980-0HC60	5m round cable for door mounting
3UF7933-0BA00-0	2.5m round cable for door mounting
3UF7937-0BA00-0	1m round cable for door mounting
3UF7932-0BA00-0	0.5m round cable for door mounting
3ZY1311-0AA00	Push in lugs for wall mounting (qty 2 required)

Terminal covers



3RW5983-0TC20	3RW552, 3RW553 (qty 2 required)
3RW5984-0TC20	3RW554 (qty 2 required)

Housing parts



3RW5954-0GF00	Front cover frame size 4
3RW5950-0GL20	Hinged door without cut out
3RW5950-0GL30	Hinged door with cut out for HF HMI
3RW5950-0GL40	Hinged door with cut out for Standard HMI (3RW52)
3RW5950-0GD20	Control-circuit duct cover

Fans



3RW5983-0FF00 *	Fan for frame size 1, 2 and 3
3RW5984-0FF00 *	Fan for frame size 4
3RW5983-0FC00 *	Fan cover for frame size 1, 2 and 3
3RW5984-0FC00 *	Fan cover for frame size 4

* Refer to manual for quantity required for each 3RW softstarter

SIEMENS

FACTORY AUTOMATION
(SIMATIC)



LOGO! 8 LOGIC MODULE

Basic Unit with display (Cloud version V8.4)



PART NUMBER	DESCRIPTION
6ED1052-1CC08-0BA2	24CE - 8 digital Inputs 24Vdc / 4 digital outputs 24Vdc (V8.4)
6ED1052-1MD08-0BA2	12/24RCE - 8 digital Inputs 12/24Vdc / 4 digital outputs Relay (10A) (V8.4)
6ED1052-1HB08-0BA2	24RCE - 8 digital Inputs 24Vac/dc / 4 digital outputs Relay (10A) (V8.4)
6ED1052-1FB08-0BA2	230RCE - 8 digital Inputs 110/230Vac / 4 digital outputs Relay (10A) (V8.4)

Basic Unit without display (Cloud version V8.4)



6ED1052-1CC08-0BA2	24CE - 8 digital Inputs 24Vdc / 4 digital outputs 24Vdc (V8.4)
6ED1052-1MD08-0BA2	12/24RCE - 8 digital Inputs 12/24Vdc / 4 digital outputs Relay (10A) (V8.4)
6ED1052-1HB08-0BA2	24RCE - 8 digital Inputs 24Vac/dc / 4 digital outputs Relay (10A) (V8.4)
6ED1052-1FB08-0BA2	230RCE - 8 digital Inputs 110/230Vac / 4 digital outputs Relay (10A) (V8.4)

Digital I/O Expansion Modules



6ED1055-1CB00-0BA2	24 V DC supply voltage, 4 digital Inputs 24 V DC, 4 digital outputs 24 V DC
6ED1055-1MB00-0BA2	12/24 V DC supply voltage, 4 digital Inputs 12/24 V DC, 4 relay outputs 5 A
6ED1055-1HB00-0BA2	24 V DC supply voltage, 4 digital Inputs 24 V DC, 4 relay outputs
6ED1055-1FB00-0BA2	230 V AC supply, 4 digital Inputs 230 V AC, 4 relay outputs 5 A
6ED1055-1CB10-0BA2	24 V DC supply voltage, 8 digital Inputs 24 V DC, 8 digital outputs 24 V DC
6ED1055-1NB10-0BA2	24 V DC supply voltage, 8 digital Inputs 24 V DC, 8 relay outputs
6ED1055-1FB10-0BA2	230 V AC supply, 8 digital Inputs 230 V AC, 8 relay outputs

Analog I/O Expansion Modules



6ED1055-1MA00-0BA2	12/24 V DC supply voltage, 2 analog Inputs 0 to 10 V or 0 to 20 mA
6ED1055-1MD00-0BA2	12/24 V DC supply, 2 PT100/1000 analog Inputs, temperature range -50 degC to 200 degC
6ED1055-1MM00-0BA2	24 V DC supply voltage, 2 analog outputs 0 to 10 V or 0 to 20 mA

Communications Module



6ED1055-5MC08-0BA1	8 Modbus RTU interface (RS232/485) 4-port switch; without 4G/LTE/GPS engine; without antennas; web configurator
6BK1700-0BA20-0AA0	Communication module for building automation with KNX
6GK7177-1MA20-0AA0	SCALANCE LOGO! CSM 12/24, unmanaged switch, 4x RJ45, 1x front port
6GK7142-7BX00-0AX0	CMR2020 communication module for LOGO! 0BA8 to GSM/GPRS NET; 1 RJ45 port to connect to LOGO! 0BA8, 2xDI & 2xDO
6GK7142-7EX00-0AX0	CMR2040 communication module for LOGO! 0BA8 to LTE (4G); 1 RJ45 port to connect to LOGO!

Antennas



6GK5895-6ML00-0AA0	895-6ML, GPS, integr. amplifier, 3 dBi, N-female, IP67, 0.3 m cable
6XV1875-5LH50	IWLAN 1x N-Connect/1x SMA Male/Male flexible connection cable, 5 m
6NH9860-1AA00	Antenna ANT794-4MR, mobile communications, GSM/UMTS/LTE-EU, omnid., SMA 5 m cable

Software



6ED1058-0BA08-0YA1	LOGO! Soft Comfort version 8
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S7-1200 BASIC CONTROLLERS

CPU 1211C - expandable up to 3 Comms Modules



PART NUMBER	DESCRIPTION
6ES72111-BE40-0XB0	85/265 VAC PSU, 6 DI (24 VDC), 4 Relay DQ, 2 AI (0-10V), 75kB
6ES72111-AE40-0XB0	24 VDC PSU, 6 DI (24 VDC), 4 DQ (24 VDC), 2 AI (0-10V), 75kB
6ES72111-HE40-0XB0	24 VDC PSU, 6 DI (24 VDC), 4 Relay DQ, 2 AI (0-10V), 75kB

CPU 1212C - expandable up to 3 Comms Modules & 2 Signal Modules



6ES7212-1BE40-0XB0	85/265 VAC PSU, 8 DI (24 VDC), 6 Relay DQ, 2 AI (0-10V), 100kB
6ES7212-1AE40-0XB0	24 VDC PSU, 8 DI (24 VDC), 6 DQ (24 VDC), 2 AI (0-10V), 100kB
6ES72121HE400XB0	24 VDC PSU, 8 DI (24 VDC), 6 Relay DQ, 2 AI (0-10V), 100kB

CPU 1214C - expandable up to 3 Comms Modules & 8 Signal Modules



6ES7214-1BG40-0XB0	85/265 VAC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 150kB
6ES7214-1AG40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 DQ (24 VDC), 2 AI (0-10V), 150kB
6ES7214-1HG40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 150kB

CPU 1215C - expandable up to 3 Comms Modules & 8 Signal Modules



6ES7215-1BG40-0XB0	85/265 VAC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 2 AQ (0-20mA), 200kB, 2 port Switch
6ES7215-1AG40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 DQ (24 VDC), 2 AI (0-10V), 2 AQ (0-20mA) 200kB, 2 port Switch
6ES7215-1HG40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 2 AQ (0-20mA), 200kB, 2 port Switch

CPU 1217C - expandable up to 3 Comms Modules & 8 Signal Modules



6ES7217-1AG40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 DQ (24 VDC), 2 AI (0-10V), 2 AQ (0-20mA) 250kB, 2 port Switch
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Failsafe CPU - expandable up to 3 Comms Modules & 2 Signal Modules



6ES7212-1AF40-0XB0	24 VDC PSU, 8 DI (24 VDC), 6 DQ (24 VDC), 2 AI (0-10V), 150kB
6ES7212-1HF40-0XB0	24 VDC PSU, 8 DI (24 VDC), 6 Relay DQ, 2 AI (0-10V), 150kB

Failsafe CPU - expandable up to 3 Comms Modules & 8 Signal Modules



6ES7214-1AF40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 DQ (24 VDC), 2 AI (0-10V), 200kB
6ES7214-1HF40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 200kB
6ES7215-1AF40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 DQ (24 VDC), 2 AI (0-10V), 250kB
6ES7215-1HF40-0XB0	24 VDC PSU, 14 DI (24 VDC), 10 Relay DQ, 2 AI (0-10V), 250kB

Digital Input Expansion Modules



6ES7221-1BF32-0XB0	8 x 24VDC Input (Sink or Source)
6ES7221-1BH32-0XB0	16 x 24VDC Input (Sink or Source)

Digital Output Expansion Modules



6ES7222-1HF32-0XB0	DQ 8x relay/2 A
6ES7222-1BF32-0XB0	DQ 8x24 V DC/0.5 A
6ES7222-1XF32-0XB0	DQ 8x relay/2 A Changeover contact
6ES7222-1HH32-0XB0	DQ 16x relay/2 A
6ES7222-1BH32-0XB0	DQ 16x24 V DC/0.5 A

Digital I/O Expansion Modules



6ES7223-1PH32-0XB0	DI 8x24 V DC, DQ 8x relay
6ES7223-1BH32-0XB0	DI 8x24 V DC, DQ 8x24 V DC
6ES7223-1PL32-0XB0	DI 16x24 V DC, DQ 16x relay
6ES7223-1BL32-0XB0	DI 16x24 V DC, DQ 16x24 V DC
6ES7223-1QH32-0XB0	8 x 120V/240V AC inputs / 8 Relay outputs (2A)

Analogue Expansion Modules

Inputs



PART NUMBER	DESCRIPTION
6ES7231-4HD32-0XB0	4x13 bit
6ES7231-5ND32-0XB0	4x16 bit
6ES7231-4HF32-0XB0	8x13 bit

Outputs



6ES7232-4HB32-0XB0	2 x Analogue Output 13 Bit
6ES7232-4HD32-0XB0	4 x Analogue Output 13 Bit

Inputs/Outputs

6ES7234-4HE32-0XB0	4 x Analogue Input / 2 x Analog Output
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Thermocouple



6ES7231-5QD32-0XB0	4 x Analogue Input TC 16 bit (J,K,T,E,R,S,N,C,TKK/XK(L) +/-80mV)
6ES7231-5QF32-0XB0	8 x Analogue Input TC 16 bit (J,K,T,E,R,S,N,C,TKK/XK(L) +/-80mV)

RTD



6ES7231-5PD32-0XB0	4 x Analogue Input RTD 16 bit (pt,cu & Ni)
6ES7231-5PF32-0XB0	8 x Analogue Input RTD 16 bit (pt,cu & Ni)

Weighing Module



7MH4960-2AA01	SIWAREX WP231 calibratable weighing electronic (1 channel) for strain gauge load cells / full bridges (1-4 mV/V) for SIMATIC S7-1200 or stand alone, RS485 and Ethernet-Interface, onboard I/O: 4 DI /
7MH4900-1AK01	SIWAREX configuration software

Energy Measuring Module



6ES7238-5XA32-0XB0	480 V AC
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Communications Modules



6ES7241-1AH32-0XB0	1241 RS 232
6ES7241-1CH32-0XB0	1241 RS 422 / 485
6ES7241-1CH30-1XB0	RS485 (Clamping block)
6GK7242-5DX30-0XE0	1242-5, connection SIMATIC S7-1200 to PROFIBUS DP
6GK7243-5DX30-0XE0	1243-5, connection SIMATIC S7-1200 to PROFIBUS DP
3RK7243-2AA30-0XB0	1243-2, communication module AS-i master according to AS-i spec. V3.0
3RK7271-1AA30-0AA0	1271, data decoupling unit for AS-i master CM 1243-2 in: 24 V/30 V DC
6ES7278-4BD32-0XB0	1278 4xIO-Link master
6GT2002-0LA00	RFID communication module RF120C for SIMATIC S7-1200 1 reader connectable RS-422

Communication Processors



6GK7243-1BX30-0XE0	Communications processor CP 1243-1, connection S7-1200 to TeleControl Server
6GK7243-7KX30-0XE0	CP 1243-7 LTE (4G) Communication processor for connecting SIMATIC S7-1200 to LTE (4G) mobile wireless network

Signal Boards



6ES7221-3AD30-0XB0	1221, DI 4x5 V DC 200 kHz
6ES7221-3BD30-0XB0	1221, DI 4x24 V DC 200 kHz
6ES7222-1AD30-0XB0	1222, DQ 4x5 V DC 200 kHz
6ES7222-1BD30-0XB0	1222, DQ 4x24 V DC 200 kHz
6ES7223-0BD300-0XB0	1223 - 2DI/2DQ, 2 x 24VDC Input, 2 x 24VDC Output (0.5A)
6ES7223-3AD30-0XB0	1223, DI 2x5 V DC/DQ 2x5 V DC 200 kHz
6ES7223-3BD30-0XB0	1223, DI 2x24 V DC/DQ 2x24 V DC 200 kHz
6ES7231-4HA30-0XB0	1231 - 1 AI, +/- 10V DC or 0-20mA, 12 Bit
6ES7231-5PA30-0XB0	1231, AI 1x16 bit RTD
6ES7231-5QA30-0XB0	1231 - TC, 1 AI Thermocouple, Type J or K
6ES7232-4HA30-0XB0	1232 - 1 AO, +/- 10VDC (12 Bit) or 0-20mA (11 Bit)



Failsafe I/O



6ES7226-6BA32-0XB0	1226 F-DI 16 x 24 VDC, 16x24Vdc inputs (SIL2/Cat.3/PLd) or 8x24Vdc inputs (SIL3/Cat.4/PLe) Product Code: - 6ES72266BA320XB0
6ES7226-6DA32-0XB0	1226 F-DQ 4 x 24 VDC, 4 outputs 2A (pm) / SIL3
6ES7226-6RA32-0XB0	1226 F-DQ 2 x Relay, 2 relay outputs / SIL3

STEP 7 Basic V19



6ES7822-0AA23-0YA5	SIMATIC STEP 7 Basic V19 Floating License
6ES7822-0AA23-0YE5	Upgrade SIMATIC STEP 7 Basic V11..V18 -> V19 Floating License
6ES7822-0AA00-0YL0	SIMATIC STEP 7 Basic TIA Portal SUS

STEP 7 Safety Basic

6ES7833-1FB23-0YA5	STEP7 Safety Basic V19
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S7-1500 ADVANCED CONTROLLERS

Standard CPUs



PART NUMBER	DESCRIPTION
6ES7511-1AL03-0AB0	1511-1 PN, 300 KB / 1.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7513-1AL02-0AB0	1513-1 PN, 300 kB / 1.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7515-2AN03-0AB0	1515-2 PN, 1 MB / 4.5 MB, 2xPN interface,1 with 2 port switch, requires MMC
6ES7516-3AP03-0AB0	1516-3 PN/DP, 2 MB / 7.5 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7517-3AP00-0AB0	1517-3 PN/DP, 2 MB / 8 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7518-4AP00-0AB0	1518-4 PN/DP, 4 MB / 20 MB, 3xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC

Compact CPUs



6ES7511-1CK01-0AB0	1511C-1 PN, 175 KB / 1 MB, 16 Inputs / 16 Outputs, 4+1 Analogue Inputs / 2 Analogue Outputs, 6 HSC (100 KHZ), 1 x PN (2 port Switch), includes push-in connector
6ES7512-1CK01-0AB0	1512C-1 PN, 250 KB / 1 MB, 32 Inputs / 32 Outputs, 4+1 Analogue Inputs / 2 Analogue Outputs, 6 HSC (100 KHZ), 1 x PN (2 port Switch), includes push-in connector

Failsafe CPUs



6ES7511-1FL03-0AB0	1511F-1 PN, 450 KB / 1.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7513-1FM03-0AB0	1513F-1 PN, 900 KB / 2.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7515-2FN03-0AB0	1515F-2 PN, 1.5 MB / 4.5 MB, 2xPN interface,1 with 2 port switch, requires MMC
6ES7516-3FP03-0AB0	1516F-3 PN/DP, 3 MB / 7.5 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7517-3FP00-0AB0	1517F-3 PN/DP, 3 MB / 8 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7518-4FP00-0AB0	
6ES7518-4FX00-1AC0	1518F-4 PN/DP MFP, 6 MB / 20 MB, 3xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC



Technology CPUs



6ES7511-1TL03-0AB0	1511T-1 PN, 450 kB / 1.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7515-2TN03-0AB0	1515T-2 PN, 1.5 kB / 4.5 MB, 2xPN interface with 2 port switch, requires MMC
6ES7516-3TN00-0AB0	1516T-3 PN/DP, Central processing unit with 1.5 MB RAM for program and 5 MB fo
6ES7517-3TP00-0AB0	1517T-3 PN/DP, 3 MB / 8 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7518-4TP00-0AB0	1518T-4 PN/DP, 9MB Prog., 60MB data

Technology with Failsafe CPUs



6ES7511-1UL03-0AB0	1511TF-1 PN, 450 kB / 1.5 MB, 1xPN interface with 2 port switch, requires MMC
6ES7515-2UN03-0AB0	1515TF-2 PN, 1.5 kB / 4.5 MB, 2xPN interface with 2 port switch, requires MMC
6ES7516-3UN00-0AB0	1516TF-3 PN, 1.5 MB / 5 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7517-3UP00-0AB0	1517TF-3 PN/DP, 3 MB / 8 MB, 2xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7518-4UP00-0AB0	1518TF-4 PN/DP, 9MB Prog, 60MB data

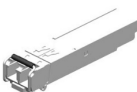
Redundant CPUs

6ES7513-1RM03-0AB0	SIMATIC S7-1500R,CPU 1513R-1PN, central processing unit with work memory 600 KB for program and 2.5 MB for data, 1st interface: PROFINET RT with 2-port switch, SIMATIC Memory Card required
6ES7515-2RN03-0AB0	SIMATIC S7-1500R, CPU 1515R-2 PN central processing unit with work memory 1 MB for program and 4.5 MB for data, 1st interface: PROFINET RT with 2-port switch, 2nd interface: PROFINET, SIMATIC Memory

High-available CPUs (S7-1500 CPU)

6ES7517-3HP00-0AB0	CPU 1517H-3 PN, 2 MB / 8 MB, 2xPN interface, 1 with 2 port switch, 1xH-SYNC, requires MMC
6ES7518-4JP00-0AB0	CPU 1518HF-4 PN, 9MB program/60MB data

High-available CPUs (Synchronisation Modules)



6ES7960-1CB00-0AA5	SIMATIC S7-1500 Synchronization module for patch cable up to 10 m
6ES7960-1FB00-0AA5	SIMATIC S7-1500 Synchronization module for FO cables from 2 m up to 10 km

High-available CPUs (Synchronisation Cables)



6ES7960-1BB00-5AA5	SIMATIC S7-1500 Sync cable FOC 1 m
6ES7960-1BC00-5AA5	SIMATIC S7-1500 Sync cable FOC 2 m
6ES7960-1CB00-5AA5	SIMATIC S7-1500 Sync cable FOC 10 m

High-available CPUs (S7-1500 Bundle)

PART NUMBER	DESCRIPTION
6ES7500-0HP00-0AB0	SIMATIC S7-1500H, CPU 1517H System Bundle consisting of: 2 x CPU 1517H-3 PN with display, without memory card, 4 sync-modules 10m, 2 x Sync-Cables 1m

High-available CPUs (MF & ODK)

6ES7518-4FX00-1AC0	CPU 1518F-4 PN/DP MFP, 6 MB / 20 MB, 3xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC
6ES7518-4AX00-1AC0	CPU 1518-4 PN/DP MFP, 4 MB / 20 MB, 3xPN interface, 1 with 2 port switch, 1xDP interface, requires MMC

Header Modules



6ES7155-5AA00-0AA0	PROFINET IO header module (max 12 modules) - IM 155-5 PN Basic version
6ES7155-5AA01-0AB0	PROFINET IO header module (max 30 modules) - IM 155-5 PN Standard
6ES7155-5MU00-0CNO	SIMATIC ET 200MP IM 155-5 MF HF For up to 30 I/O modules, S2 redundancy for operation on S7-400H
6ES7155-5BA00-0AB0	SIMATIC ET 200MP IM 155-5 DP ST For up to 12 I/O modules incl. PROFIBUS connector

Power Modules (Left of CPU)

6EP1332-4BA00	Load power supply SIMATIC PM1507, single-phase 24 V DC/3 A
6EP1333-4BA00	Load power supply SIMATIC PM1507, single-phase 24 V DC/8 A

System Power Supplies (Right of CPU to boost Backplane)



6ES7505-0KA00-0AB0	System power supply 25W 24V DC
6ES7505-0RA00-0AB0	SIMATIC S7-1500 PS 60 W 24/48/60 V DC
6ES7505-0RB00-0AB0	System power supply 60W 24/48/60V DC, buffering functionality
6ES7507-0RA00-0AB0	SIMATIC S7-1500 PS 60 W 120/230 V AC/DC

Digital Inputs



6ES7521-1BH10-0AA0	16 x 24 V DC BA 25 mm Incl. front connector push-in
6ES7521-1BL10-0AA0	32x24 V DC BA 25 mm Incl. front connector push-in
6ES7521-1BH00-0AB0	16x24 V DC HF 35 mm, with operating mode counter
6ES7521-1BH50-0AA0	16x24 V DC SRC BA 35 mm, sourcing
6ES7521-7BH00-0AB0	16X24VDC HS
6ES7521-1BL00-0AB0	32x24 V DC HF 35 mm, with operating mode counter
6ES7521-1FH00-0AA0	16x230VAC BA 35 mm
6ES7521-7EH00-0AB0	16x24 ... 125 V UC HF 35 mm
6ES7521-7TH00-0AB0	16XNAMUR HF
6ES7521-1BP00-0AA0	64x24VDC BA 35 mm (Please order cables and terminal blocks separately)

Digital Outputs



6ES7522-1BH10-0AA0	16x24VDC/0.5A BA 25 mm Incl. front connector push-in
6ES7522-1BL10-0AA0	32x24VDC/0.5A BA 25 mm Incl. front connector push-in
6ES7522-1BH01-0AB0	16x24VDC/0.5A HF 35 mm
6ES7522-1BL01-0AB0	32x24VDC/0.5A HF 35 mm
6ES7522-1BF00-0AB0	8x24VDC/2A HF 35 mm, with operating mode PWM
6ES7522-5FF00-0AB0	8x230 V AC/2A ST (triac) 35 mm
6ES7522-5HF00-0AB0	8x230 V AC/5 A ST (relay) 35 mm
6ES7522-5FH00-0AB0	16x230VAC/1A ST (Triac) 35 mm
6ES7522-5HH00-0AB0	16x 230 V AC/2 A ST (relay) 35 mm
6ES7522-5EH00-0AB0	16x24 ... 48 V UC/125 V DC/0.5 A ST 35 mm
6ES7522-1BP00-0AA0	64x24VDC/0.3A BA 35 mm Please order cables and terminal blocks separately
6ES7522-1BP50-0AA0	64x24VDC/0.3A SNK BA

Digital Inputs & Outputs

PART NUMBER	DESCRIPTION
6ES7523-1BL00-0AA0	16x24VDC / DQ16x24VDC/0.5A BA 25 mm Incl. front connector push-in
6ES7523-1BP50-0AA0	32 x 24 V DC / DQ 32 x 24 V DC/0.3A SNK BA 35 mm Please order cables and terminal blocks separately

Analogue Inputs



6ES7531-7QD00-0AB0	4xU/I/RTD/TC ST 25 mm Incl. front connector push-in, power supply element, shield bracket, and shield terminal
6ES7531-7QF00-0AB0	8xU/I/R/RTD BA 35 mm Incl. power supply element, shield bracket, and shield terminal
6ES7531-7KF00-0AB0	8xU/I/RTD/TC ST 35 mm Incl. power supply element, shield bracket, and shield terminal
6ES7531-7NF10-0AB0	8xU/I HS 35 mm, with operating mode oversampling Incl. power supply element, shield bracket, and shield terminal
6ES7531-7PF00-0AB0	8xU/R/RTD/TC HF 35 mm, with operating mode scale measuring range Incl. power supply element, shield bracket, and shield terminal
6ES7531-7NF00-0AB0	8xU/I HF 35 mm, with operating mode scale measured values, adaptation of measuring range Incl. power supply element, shield bracket

Analogue Outputs

6ES7532-5NB00-0AB0	2xU/I ST 25 mm Incl. front connector push-in, power supply element, shield bracket, and shield terminal
6ES7532-5HD00-0AB0	4xU/I ST 35 mm Incl. power supply element, shield bracket, and shield terminal
6ES7532-5HF00-0AB0	8xU/I HS 35 mm, with operating mode oversampling Incl. power supply element, shield bracket, and shield terminal
6ES7532-5ND00-0AB0	4xU/I HF 35 mm Incl. power supply element, shield bracket, and shield terminal

Analogue Input / Output

6ES7534-7QE00-0AB0	4xU/I/RTD/TC /AQ 2xU/I ST 25 mm Incl. front connector push-in, power supply element, shield bracket, and shield terminal
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Failsafe I/O



6ES7526-1BH00-0AB0	SIMATIC S7-1500, F digital input module, F-DI 16x 24 V DC PROFIsafe; 35 mm width; up to PL E (ISO 13849-1)/ SIL 3 (IEC 61508)
6ES7526-2BF00-0AB0	SIMATIC S7-1500, F digital output module, F-DQ 8x 24 V DC 2A PPM PROFIsafe; 35 mm width; up to PL E (ISO 13849-1)/ SIL3 (IEC 61508)

Technology Modules

6ES7551-1AB01-0AB0	SIMATIC S7-1500 TM PosInput 2 2 channels, 1 MHz
6ES7550-1AA01-0AB0	2 x 24 VDC High Speed Counters (200kHz)
6ES7552-1AA00-0AB0	TM Timer DIDQ 16 x 24 V, Max. 16 time-controlled inputs or outputs
6ES7553-1AA00-0AB0	TM PTO 4 stepper drives, 4 Pulse Train Output PTO channels; PTO: 24 V or RS 422; 2 DQ PTO, 2 DI 24 V, 1 DIQ 24 V per channel
6ES7554-1AA00-0AB0	SIMATIC S7-1500, TM FAST Field Adaptable High-Speed Technology
6ES7556-1AA00-0AB0	SIMATIC S7-1500, TM NPU, Technology module for Applications with artificial Intelligence, 1 x Ethernet, 1 x USB, 1 x SD (Special sales release required)
6ES7558-1AA00-0AB0	SIMATIC S7-1500 TM MFP
7MH4980-1AA01	SIMATIC S7-1500, TM SIWAREX WP521 ST, single-channel weighing module for one platform or hopper scales with analog load cells / strain gauges (full bridges), 3xDI, 3xDQ, 1xRS485, 1xEthernet, 1xLC loa
7MH4980-2AA01	TM SIWAREX WP522 ST, 2-ch, for two separate platform or hopper scales with analog load cells / full-bridge strain gauges (1 - 4 mV/V), per channel 1 x LC, 4 x DQ, 3 x DI, 1 x RS 485, Ethernet port

Serial Interfaces



6ES7540-1AD00-0AA0	CM 540 Comms Module with RS232 BA (Freeport, 3964 and USS)
6ES7541-1AD00-0AB0	CM 541 Comms Module with RS232 HF (Freeport, 3964, USS and Modbus RTU)
6ES7540-1AB00-0AA0	CM 540 Comms Module with RS422/485 BA (Freeport, 3964(R) and USS)
6ES7541-1AB00-0AB0	CM 541 Comms Module with RS422/485 HF - (Freeport, 3964, USS and Modbus RTU)

I/O Link

PART NUMBER	DESCRIPTION
6ES7547-1JF00-0AB0	8xIO-Link, communication module IO-Link Master V1.1 Front connector (screw terminals or push-in) to be ordered separately

Ethernet

6GK7543-1AX00-0XE0	Communications processor CP 1543-1, connection SIMATIC S7-1500 to IE
6GK7542-1AX10-0XE0	Communication module CM 1542-1, connection S7-1500 to IE
6GK7545-1GX00-0XE0	Communications processor CP 1545-1 for connection of SIMATIC S7-1500 to Industrial Ethernet TCP/IP, UDP, S7 communication, Security (firewall), SNMPv

Profibus

6GK7542-5DX10-0XE0	Communication module CM 1542-5, connection SIMATIC S7-1500 to PROFIBUS DP
6GK7542-5FX10-0XE0	Communications processor CP 1542-5, connection SIMATIC S7-1500 to PROFIBUS DP

TIA Portal - Step 7 Professional

6ES7822-1AA23-0YA5	SIMATIC STEP 7 Professional V19 Floating License
6ES7822-1AA00-0YL5	SIMATIC STEP 7 Professional TIA Portal SUS

TIA Portal - PowerPack & Upgrade

6ES7822-1AA23-0XC5	Powerpack & Upgrade SIMATIC STEP 7 V5.7 -> Professional V19/2021 SR2 Combo Floating License
6ES7810-5CC04-0YE2	SIMATIC STEP 7 Professional SUS Combo (TIA Portal & Classic)

TIA Portal - Safety Advanced

6ES7833-1FA23-0YA5	STEP 7 Safety Advanced V19
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HMI UNIFIED PANELS

Basic Panels



PART NUMBER	DESCRIPTION
6AV2123-3DB32-0AW0	SIMATIC HMI MTP400, Unified Basic Panel, touch operation, 4 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Basic V18 Update 3, contains open-source s
6AV2123-3GB32-0AW0	SIMATIC HMI MTP700, Unified Basic Panel, touch operation, 7 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Basic V18 Update 3, contains open-source s
6AV2123-3KB32-0AW0	SIMATIC HMI MTP1000, Unified Basic Panel, touch operation, 10 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Basic V18 Update 3, contains open-source
6AV2123-3MB32-0AW0	SIMATIC HMI MTP1200, Unified Basic Panel, touch operation, 12 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Basic V18 Update 3, contains open-source

Comfort Panels



6AV2128-3GB06-0AX1	SIMATIC HMI MTP700, Unified Comfort Panel, touch operation, 7 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD
6AV2128-3KB06-0AX1	SIMATIC HMI MTP1000, Unified Comfort Panel, touch operation, 10.1 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD
6AV2128-3MB06-0AX1	SIMATIC HMI MTP1200, Unified Comfort Panel, touch operation, 12.1 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD
6AV2128-3QB06-0AX1	SIMATIC HMI MTP1500, Unified Comfort Panel, touch operation, 15.6 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD
6AV2128-3UB06-0AX1	SIMATIC HMI MTP1900, Unified Comfort Panel, touch operation, 18.5 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD
6AV2128-3XB06-0AX1	SIMATIC HMI MTP2200, Unified Comfort Panel, touch operation, 21.5 widescreen TFT display, 16 million colors, PROFINET interface, configurable as of WinCC Unified Comfort V16, contains open-source software, which is provided free of charge see enclosed DVD



POWER SUPPLIES PSU6200

24 V DC Output



PART NUMBER	DESCRIPTION
6EP3331-7SB00-0AX0	Input 120-230V UC - output 24V/1.3 amp DC
6EP3332-7SB00-0AX0	Input 120-230V UC - output 24V/2.5 amp DC
6EP3333-7LB00-0AX0	Input 120-230V UC - output 24V/3.7 amp DC
6EP3333-7SB00-0AX0	Input 120-230V UC - output 24V/5.0amp DC
6EP3334-7SB00-3AX0	Input 120-230V UC - output 24V/10.0 amp DC
6EP3336-7SB00-3AX0	Input 120-230V UC - output 24V/20.0 amp DC
6EP3433-7SB00-0AX0	3-phase 24 V DC/5 A
6EP3434-7SB00-3AX0	3-phase 24 V DC/10 A
6EP3436-7SB00-3AX0	3-phase 24 V DC/20 A

48 V DC Output

6EP3344-7SB00-3AX0	Input 120-230V UC - output 48V/5.0 amp DC
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12 V DC Output



6EP3321-7SB00-0AX0	Input 120-230V UC - output 12V/2.0 amp DC
6EP3323-7SB00-0AX0	Input 120-230V UC - output 12V/7.0 amp DC
6EP3324-7SB00-3AX0	Input 120-230V UC - output 12V/12.0 amp DC

Current / selectivity monitoring



6EP4438-7FB00-3DX0	SITOP SEL1200 Selectivity module 8-channel switching characteristic Input: 24 V DC/60 A output: 24 V DC/8 x 10 A Level adjustable 2-10 A with monitoring interface
6EP4438-7EB00-3DX0	SITOP SEL1400 10 A Selectivity module 8-channel with limiting characteristic Input: 24 V DC/60 A output: 24 V DC/8x 10 A Threshold adjustable 2-10 A with monitoring interface
6EP4437-7FB00-3CX0	SITOP SEL1200 10 A Selectivity module 4-channel with switching characteristic Input: 24 V DC/40 A Output: 24 V DC/4x 10 A Threshold value adjustable 2-10 A With monitoring interface
6EP4437-7EB00-3CX0	SITOP SEL1400 10 A Selectivity module 4-channel with limiting characteristic Input: 24 V DC/40 A Output: 24 V DC/4x 10 A Threshold value adjustable 2-10 A With monitoring interface
6EP4437-7FB00-3DX0	SITOP SEL1200 5 A Selectivity module 8-channel with switching characteristic Input: 24 V DC/40 A Output: 24 V DC/8x 5 A Threshold adjustable 1-5 A With monitoring interface
6EP4437-7EB00-3DX0	SITOP SEL1400 5 A Selectivity module 8-channel with limiting characteristic Input: 24 V DC/40 A Output: 24 V DC/8x 5 A Threshold adjustable 1-5 A With monitoring interface

Redundancy & De-coupling Modules



6EP4346-7RB00-0AX0	SITOP RED1200 redundancy module Input/output: 24/48 V DC/20 A Suitable for decoupling two SITOP power supplies with max. 10 A output current each
6EP4347-7RB00-0AX0	SITOP RED1200 redundancy module Input/output: 24/48 V DC/40 A Suitable for decoupling two SITOP power supplies with max. 20 A output current each

SIEMENS

VARIABLE SPEED DRIVES (SINAMICS)



SINAMICS V20 - ENTRY (3PH)

Filtered



PART NUMBER	DESCRIPTION
6SL3210-5BE13-7CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 0,37 kW
6SL3210-5BE15-5CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 0,55 kW
6SL3210-5BE17-5CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 0,75 kW
6SL3210-5BE21-1CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 1,10 kW
6SL3210-5BE21-5CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 1,50 kW
6SL3210-5BE22-2CV0	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 2,20 kW
6SL3210-5BE23-0CV0	IP20 / UL open type, FSB, A, 380-480 V 3 AC, 3,00 kW
6SL3210-5BE24-0CV0	IP20 / UL open type, FSB, A, 380-480 V 3 AC, 4,00 kW
6SL3210-5BE25-5CV0	IP20 / UL open type, FSC, A, 380-480 V 3 AC, 5,50 kW
6SL3210-5BE27-5CV0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 7,50 kW
6SL3210-5BE31-1CV0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 11,00 kW
6SL3210-5BE31-5CV0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 15,00 kW
6SL3210-5BE31-8CV0	IP20 / UL open type, FSE, A, 380-480 V 3 AC, 18,50 kW
6SL3210-5BE32-2CV0	IP20 / UL open type, FSE, A, 380-480 V 3 AC, 22,00 kW



SINAMICS G120C COMPACT

Filtered - Profinet



PART NUMBER	DESCRIPTION
6SL3210-1KE11-8AF2	EtherNet/IP, IP20 / UL open type, FSAA,A, 380-480 V, 3AC, 0,55 kW
6SL3210-1KE12-3AF2	EtherNet/IP, IP20 / UL open type, FSAA,A, 380-480 V, 3AC, 0,75 kW
6SL3210-1KE13-2AF2	EtherNet/IP, IP20 / UL open type, FSAA,A, 380-480 V, 3AC, 1,10 kW
6SL3210-1KE14-3AF2	EtherNet/IP, IP20 / UL open type, FSAA,A, 380-480 V, 3AC, 1,50 kW
6SL3210-1KE15-8AF2	EtherNet/IP, IP20 / UL open type, FSAA,A, 380-480 V, 3AC, 2,20 kW
6SL3210-1KE17-5AF1	EtherNet/IP, IP20 / UL open type, FSA,A, 380-480 V, 3AC, 3,00 kW
6SL3210-1KE18-8AF1	EtherNet/IP, IP20 / UL open type, FSA,A, 380-480 V, 3AC, 4,00 kW
6SL3210-1KE21-3AF1	EtherNet/IP, IP20 / UL open type, FSB,A, 380-480 V, 3AC, 5,50 kW
6SL3210-1KE21-7AF1	EtherNet/IP, IP20 / UL open type, FSB,A, 380-480 V, 3AC, 7,50 kW
6SL3210-1KE22-6AF1	EtherNet/IP, IP20 / UL open type, FSC,A, 380-480 V, 3AC, 11,00 kW
6SL3210-1KE23-2AF1	EtherNet/IP, IP20 / UL open type, FSC,A, 380-480 V, 3AC, 15,00 kW
6SL3210-1KE23-8AF1	EtherNet/IP, IP20 / UL open type, FSC,A, 380-480 V, 3AC, 18,50 kW
6SL3210-1KE24-4AF1	EtherNet/IP, IP20 / UL open type, FSD,A, 380-480 V, 3AC, 22,00 kW
6SL3210-1KE26-0AF1	EtherNet/IP, IP20 / UL open type, FSD,A, 380-480 V, 3AC, 30,00 kW
6SL3210-1KE27-0AF1	EtherNet/IP, IP20 / UL open type, FSD,A, 380-480 V, 3AC, 37,00 kW
6SL3210-1KE28-4AF1	EtherNet/IP, IP20 / UL open type, FSD,A, 380-480 V, 3AC, 45,00 kW
6SL3210-1KE31-1AF1	EtherNet/IP, IP20 / UL open type, FSE,A, 380-480 V, 3AC, 55,00 kW
6SL3210-1KE31-4AF1	EtherNet/IP, IP20 / UL open type, FSF,A, 380-480 V, 3AC, 75,00 kW
6SL3210-1KE31-7AF1	EtherNet/IP, IP20 / UL open type, FSF,A, 380-480 V, 3AC, 90,00 kW
6SL3210-1KE32-1AF1	EtherNet/IP, IP20 / UL open type, FSF,A, 380-480 V, 3AC, 110,00 kW
6SL3210-1KE32-4AF1	EtherNet/IP, IP20 / UL open type, FSF,A, 380-480 V, 3AC, 132,00 kW



SINAMICS G120 MODULAR (3PH)

380-480VAC - Filtered



PART NUMBER	DESCRIPTION
6SL3210-1PE11-8AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 0,55 kW
6SL3210-1PE12-3AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 0,75 kW
6SL3210-1PE13-2AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 1,10 kW
6SL3210-1PE14-3AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 1,50 kW
6SL3210-1PE16-1AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 2,20 kW
6SL3210-1PE18-0AL1	IP20 / UL open type, FSA, A, 380-480 V 3 AC, 3,00 kW
6SL3210-1PE21-1AL0	IP20 / UL open type, FSB, A, 380-480 V 3 AC, 4,00 kW
6SL3210-1PE21-4AL0	IP20 / UL open type, FSB, A, 380-480 V 3 AC, 5,50 kW
6SL3210-1PE21-8AL0	IP20 / UL open type, FSB, A, 380-480 V 3 AC, 7,50 kW
6SL3210-1PE22-7AL0	IP20 / UL open type, FSC, A, 380-480 V 3 AC, 11,00 kW
6SL3210-1PE23-3AL0	IP20 / UL open type, FSC, A, 380-480 V 3 AC, 15,00 kW
6SL3210-1PE23-8AL0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 18,50 kW
6SL3210-1PE24-5AL0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 22,00 kW
6SL3210-1PE26-0AL0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 30,00 kW
6SL3210-1PE27-5AL0	IP20 / UL open type, FSD, A, 380-480 V 3 AC, 37,00 kW
6SL3210-1PE28-8AL0	IP20 / UL open type, FSE, A, 380-480 V 3 AC, 45,00 kW
6SL3210-1PE31-1AL0	IP20 / UL open type, FSE, A, 380-480 V 3 AC, 55,00 kW
6SL3210-1PE31-5AL0	IP20 / UL open type, FSF, A, 380-480 V 3 AC, 75,00 kW
6SL3210-1PE31-8AL0	IP20 / UL open type, FSF, A, 380-480 V 3 AC, 90,00 kW
6SL3210-1PE32-1AL0	IP20 / UL open type, FSF, A, 380-480 V 3 AC, 110,00 kW
6SL3210-1PE32-5AL0	IP20 / UL open type, FSF, A, 380-480 V 3 AC, 132,00 kW
6SL3210-1PE33-0AL0	IP20 / UL open type, FSG, A, 380-480 V 3 AC, 160,00 kW
6SL3210-1PE33-7AL0	IP20 / UL open type, FSG, A, 380-480 V 3 AC, 200,00 kW
6SL3210-1PE34-8AL0	IP20 / UL open type, FSG, A, 380-480 V 3 AC, 250,00 kW

Control Units



6SL324-30BB30-1HA3	SINAMICS G120 Control Unit CU230P-2 HVAC USS/MODBUS RTU/BACnet MS/TP 6 DI, 3 DO, 4 AI, 2 AO 1 motor temperature sensor input 2 PSU-out (10 V DC, 24 V DC) 1 PSU-in (24 V DC) USB and MMC interface Degree of protection IP20
6SL324-40BB12-1BA1	SINAMICS G120 Control Unit CU240E-2 E-TYPE Safety Integrated STO RS485-INTERFACE, USS-PROTOCOL 6DI, 3DO, 2AI, 2AO, MAX 1F-DI PTC/KTY INTERFACE USB- and SD/MMC-interface protection IP20 ambient temp 0 TO +50 DEG C without power module and panel
6SL324-40BB12-1PA1	SINAMICS G120 Control Unit CU240E-2 DP E-TYPE Safety Integrated STO PROFIBUS DP 6DI, 3DO, 2AI, 2AO, MAX 1F-DI PTC/KTY interface USB- and SD/MMC-Interface protection IP20 ambient temp 0 to +50 DEG C without power module and panel
6SL324-40BB12-1FA0	SINAMICS G120 Control Unit CU240E-2 PN E-TYPE safety integrated STO PROFINET 6DI, 3DO, 2AI, 2AO, MAX 1F-DI PTC/KTY interface USB- and SD/MMC-interface protection IP20 ambient temp 0 to +50 DEG C without power module and panel
6SL324-40BB13-1FA0	SINAMICS G120 CU240E-2 PN-F Control Unit E-type Safety Integrated STO F-type SS1, SLS, SSM, SDI PROFINET interface 6 DI, 3 DQ, 2 AI, 2 AQ, max. 3 F-DI PTC/KTY interface USB and SD/MMC interface Degree of protection IP20 Ambient temperature 0 to +50 & ACIRC;°C without Power Module
6SL324-60BA22-1FA0	SINAMICS G120 Control Unit CU250S-2 PN INTEGRIERT PROFINET support of vector control, easy positioning EPOS via extended function license 4 configurable DI/DO, 6 DI (3 F-DI), 5 DI, 3 DO (1 F-DO), 2 AI, 2 AO safety integrated STO, SBC, SS1 further safety functions via extended safety license encoder: D-CLIQ + HTL/TTL/SSI, RESOLVER/HTL via terminal protection IP20 USB- and SD/MMC-interface

Accessories



6SL3054-4AG00-2AA0	SINAMICS system software SD card 512 MB SD-Card 512 V0.0.0
6SL3255-0AA00-4CA1	SINAMICS Basic Operator Panel (BOP-2) , IP55 / UL type 12, LCD, monochrome
6SL3255-0AA00-4JA2	SINAMICS Intelligent Operator Panel (IOP-2) , IP55 / UL type 12, LCD color

SINAMICS G220 (3PH)

380-500 VAC IP20 Filtered

PART NUMBER	DESCRIPTION
6SL4113-OCA08-2AF0	0.75/1.1KW HO/LO 400V
6SL4113-OCA10-2AF0	1.1/1.5KW HO/LO 400V
6SL4113-OCA11-2AF0	1.5/2.2KW HO/LO 400V
6SL4113-OCA12-2AF0	2.2/3.0KW HO/LO 400V
6SL4113-OCA13-2AF0	3.0/4.0KW HO/LO 400V
6SL4113-OCA15-2AF0	4.0/5.5KW HO/LO 400V
6SL4113-OCA16-2AF0	5.5/7.5KW HO/LO 400V
6SL4113-OCA17-2AF0	7.5/11KW HO/LO 400V
6SL4113-OCA18-2AF0	11/15KW HO/LO 400V
6SL4113-OCA20-2AF0	15/18.5KW HO/LO 400V
6SL4113-OCA21-2AF0	18.5/22KW HO/LO 400V
6SL4113-OCA23-2AF0	22/30KW HO/LO 400V
6SL4113-OCA24-2AF0	30/37KW HO/LO 400V
6SL4113-OCA26-2AF0	37/45KW HO/LO 400V
6SL4113-OCA27-2AF0	45/55KW HO/LO 400V FLT

380-500 VAC IP20 Un-Filtered

6SL4113-OCA10-0AF0	1.1/1.5KW HO/LO 400V
6SL4113-OCA11-0AF0	1.5/2.2KW HO/LO 400V
6SL4113-OCA12-0AF0	2.2/3.0KW HO/LO 400V
6SL4113-OCA13-0AF0	3.0/4.0KW HO/LO 400V
6SL4113-OCA15-0AF0	4.0/5.5KW HO/LO 400V
6SL4113-OCA16-0AF0	5.5/7.5KW HO/LO 400V
6SL4113-OCA17-0AF0	7.5/11.0KW HO/LO 400V
6SL4113-OCA18-0AF0	11.0/15.0KW HO/LO 400V
6SL4113-OCA20-0AF0	15.0/18.5KW HO/LO 400V
6SL4113-OCA21-0AF0	18.5/22KW HO/LO 400V
6SL4113-OCA23-0AF0	22/30KW HO/LO 400V
6SL4113-OCA24-0AF0	30/37KW HO/LO 400V
6SL4113-OCA26-0AF0	37/45KW HO/LO 400V
6SL4113-OCA27-0AF0	45/55KW HO/LO 400V

380-500 VAC IP55 Filtered

6SL4113-OJA08-2AF0	0.75/1.1KW HO/LO 400V
6SL4113-OJA10-2AF0	1.1/1.5KW HO/LO 400V
6SL4113-OJA11-2AF0	1.5/2.2KW HO/LO 400V
6SL4113-OJA12-2AF0	2.2/3.0KW HO/LO 400V
6SL4113-OJA13-2AF0	3.0/4.0KW HO/LO 400V
6SL4113-OJA15-2AF0	4.0/5.5KW HO/LO 400V
6SL4113-OJA16-2AF0	5.5/7.5KW HO/LO 400V
6SL4113-OJA17-2AF0	7.5/11KW HO/LO 400V
6SL4113-OJA18-2AF0	11/15KW HO/LO 400V
6SL4113-OJA20-2AF0	15/18.5KW HO/LO 400V
6SL4113-OJA21-2AF0	18.5/22KW HO/LO 400V
6SL4113-OJA23-2AF0	22/30KW HO/LO 400V
6SL4113-OJA24-2AF0	30/37KW HO/LO 400V
6SL4113-OJA26-2AF0	37/45KW HO/LO 400V
6SL4113-OJP27-2AF0	45/55KW HO/LO 400V

380-500 VAC IP55 Un-Filtered



6SL4113-OJA08-0AF0	0.75/1.1KW HO/LO 400V
6SL4113-OJA10-0AF0	1.1/1.5KW HO/LO 400V
6SL4113-OJA11-0AF0	1.5/2.2KW HO/LO 400V
6SL4113-OJA12-0AF0	2.2/3.0KW HO/LO 400V
6SL4113-OJA13-0AF0	3.0/4.0KW HO/LO 400V
6SL4113-OJA15-0AF0	4.0/5.5KW HO/LO 400V
6SL4113-OJA16-0AF0	5.5/7.5KW HO/LO 400V
6SL4113-OJA17-0AF0	7.5/11.0KW HO/LO 400V
6SL4113-OJA18-0AF0	11.0/15.0KW HO/LO 400V
6SL4113-OJA20-0AF0	15.0/18.5KW HO/LO 400V
6SL4113-OJA21-0AF0	18.5/22KW HO/LO 400V
6SL4113-OJA23-0AF0	22/30KW HO/LO 400V
6SL4113-OJA24-0AF0	30/37KW HO/LO 400V
6SL4113-OJA26-0AF0	37/45KW HO/LO 400V
6SL4113-OJP26-2AF0	45/55KW HO/LO 400V



SD card



6SL4170-1GC00-0AA0	8 GB including licensing (Certificate of License, stored on the card), V6.2 HF4
6SL4170-1GC000-AA0Z F01+H01	8 GB including licensing (Certificate of License, stored on the card), V6.2 HF4 F01: 1x SINAMICS Safety Integrated Extended H01: 1x SINAMICS Motor Control Extended
6SL4170-1GC000-AA0Z F01	8 GB including licensing (Certificate of License, stored on the card), V6.2 HF4 F01: 1x SINAMICS Safety Integrated Extended
6SL4170-1GC000-AA0Z H01	8 GB including licensing (Certificate of License, stored on the card), V6.2 HF4 H01: 1x SINAMICS Motor Control Extended

Option Modules

6SL4950-0AL00-0BA0	SINAMICS G220 options module OM-DQ DRIVE-CLiQ
6SL4950-0AL00-0FA0	SINAMICS G220 options module OM-SMT safe motor temperature

Additional Components



6SL4950-0AJ00-0AA0	SINAMICS Smart Adapter
6SL3055-0AA00-5BA3	Sensor Module SMC20 board for evaluation of incremental encoder: SIN/COS 1VPP absolute encoder: ENDAT without DRIVE-CLiQ cable 30 mm width
6SL3055-0AA00-5CA2	Sensor Module For incremental encoder: TTL/HTL or combi-encoder SSI with incremental tracks or encoder SSI without incremental signals/ without DRIVE-CLiQ cable 30 mm overall width

Software

6SL5977-0AA00-1DA0	SINAMICS Motor Control Extended; software option for axis ? V6.2; delivery of an electronic license (PDF) *** Consignee e-mail address required for delivery ***
6SL5977-0AA00-2HA0	SINAMICS Safety Integrated Extended; software option for axis ? V6.1; delivery of an electronic license (PDF) *** Consignee e-mail address required for delivery ***



OUR LOCATIONS

National footprint with strategic local stockholdings.

APS Industrial is headquartered in Melbourne and in addition has a national network of offices in Adelaide, Perth, Sydney, Brisbane and Tasmania supported by strategic local stockholdings and expert technical and application knowledge.

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