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B&R

BRADY

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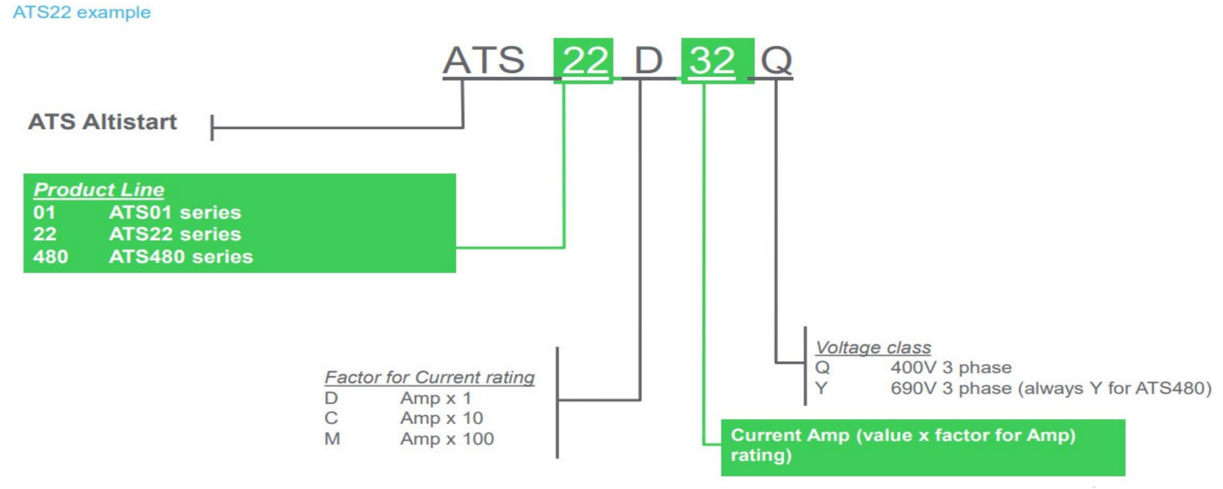
Soft Starter Selection Guide

Market segments		**Simple machines**			**Industrial machines**		
Applications		**Simple starting**	**Simple starting and stopping**		**Controlled starting and stopping of pumps, fans, compressors, agitators, mixers, conveyors**	**Simple starting and stopping of pumps and fans**	
Operational voltage range Ue (V)		**110…480**	**200…480**	**200…480**	**208…600**	**230…440**	**208…600**
Operational current range Ie (A)		**3…25**	**6…32**	**38…105**	**17…590**	**17…590**	**17…590**
Power range	**For 50…60 Hz line supply (kW/*HP*)**	**0.37…11/*0.5…15***	**0.75…15/*1…20***	**11…55/*10…75***	**4…400/*3…500***	**4…355**	**4…400/*3…500***
	Single-phase 110…230 V (kW)	0.37…2.2	–				
	Three-phase 200…240 V (kW/*HP*)	–	0.75…7.5/*1…10*	–			
	200…480 V (kW/*HP*)	0.37…11/*0.5…15*	–				
	208 V (*HP*)	–		*10…30*	*3…150*	–	*3…150*
	230…240 V (kW/*HP*)	–		11…30/*10…40*	4…160/*5…200*	4…160/–	4…160/*5…200*
	380…440 V (kW)	1.1…11	1.5…15	18.5…55	7.5…355	7.5…355	7.5…355
	460…480 V (*HP*)	*0.5…15*	*2…20*	*25…75*	*10…400*	–	*10…400*
	500…525 V (kW)	–			9…400	–	9…400
	575 V (*HP*)	–			*15…500*	–	*15…500*
Motor control	Operating cycle	–		Normal duty			
	Current limiting	–			500% current rating (700% rated motor current)	350% current rating	
	Boost	–		Yes		–	
	Type of control	Configurable voltage ramp			Torque control (TCS = Torque Control System), voltage control	Configurable voltage ramp	
	Deceleration	Voltage ramp			Torque ramp, voltage ramp	Voltage ramp	
	Braking	–					
	Number of controlled phases	1	2			3	
	Connection inside the motor delta	–				Yes	–
	Bypass	Integrated					
Functions	Thermal protection	External			Electronic embedded, or with PTC 1/3 resistors in series, 2 wires	Electronic embedded, or with PTC	
	Other protections	–		Soft starter overheating	Underload, overload, motor phase loss, line phase inversion, motor phase inversion, excessive acceleration time, current overload, ground leakage, undervoltage, overvoltage, unbalance, time before restart.	Underload, overload, motor phase loss, line phase inversion, excessive acceleration time, current overload, ground leakage	
	Safety functions	–					
	Cybersecurity	–			Yes	–	
	Condition monitoring	–			Energy, power consumption, power quality Soft starter: fan(s), bypass relays	Energy, power consumption	
	Application functions	–			Preheating, smoke extraction, voltage boost	Second motor set, voltage boost	
Communication	Embedded	–			Modbus serial link (RJ45), Modbus serial link (open style)	Modbus serial link	
	Option modules	–					
Configuration and runtime tools		2 potentiometers	3 potentiometers		Integrated plain text display terminal, graphic display terminal (optional), DTM (device type manager), SoMove software	7-segment display, SoMove software	
Number of I/O	Analog inputs	–			PTC 1/3 resistors in series, 2 wires	1 PTC probe	
	Digital inputs	–	3		4	3	
	Analog outputs	–			1	–	
	Digital outputs	–	1		–		
	Relay outputs	–	1		2	2	
Standards and certifications		IEC/EN 60947-4-2 CE, UL, CSA, C-Tick, CCC		IEC/EN 60947-4-2 CE, CCC, UKCA, EAC, RCM	IEC/EN 60947-4-2, EMC class A, CE, cULus, UKCA, RCM, CCC, REACH, RoHS	IEC/EN 60947-4-2, EMC class A CE, UL, CSA, C-Tick, GOST, CCC	
References		**ATS01N1●●●●**	**ATS01N2●●●●**	**ATS130N2●●●LT**	**ATS430●●●S6**	**ATS22●●●Q**	**ATS22●●●S6●**

Soft Starter Selection Guide

Market segments		Process and infrastructure, demanding machines	
Applications		Controlled starting and stopping of pumps, fans, compressors, agitators, mixers, grinders, crushers, refiners, conveyors, lifting screws, presses	
Operational voltage range Ue (V)		208...690	
Operational current range Ie (A)		17...1,200	
Power range	For 50...60 Hz line supply (kW/*HP*)	4...900/*3...1,200*	
	Three-phase 208 V (*HP*)	*3...400*	
	230...240 V (kW/*HP*)	4...355/*5...450*	
	380...440 V (kW)	7.5...710	
	460...480 V (*HP*)	*10...1,000*	
	500...525 V (kW)	9...800	
	575 V (*HP*)	*15...1,200*	
	660...690 V (kW)	11...900	
Motor control	Operating cycle	Normal duty and heavy duty	
	Current limiting	500% current rating (700% rated motor current)	
	Boost	Yes	
	Type of control	Torque control (TCS = Torque Control System), voltage control	
	Deceleration	Torque ramp, voltage ramp	
	Braking	Yes	
	Number of controlled phases	3	
	Connection inside the motor delta	Yes	Yes, with embedded wiring diagnostics
	Bypass	External with soft starter optimization or without bypass	Integrated
Functions	Thermal protection	Electronic embedded, with PTC, or with PT100 2/3 wires	Electronic embedded, or with PTC 1/6 resistors in series, or with PT100 2/3 wires, or with PT1000 2/3 wires, or with KTY84
	Other protections	Underload, overload, motor phase loss, line phase inversion, overcurrent,excessive acceleration time, current overload, ground leakage	Underload, overload, motor phase loss, line phase inversion, motor phase inversion, excessive acceleration time, current overload, ground leakage, undervoltage, overvoltage, mains frequency out of range
	Safety functions	–	1: embedded STO (Safe Torque Off) certified IEC 61508 SIL1, EN 13849 Cat.2 PLc
	Cybersecurity	Yes	Yes, certified IEC 62443-4-2 SL1
	Condition monitoring	Energy, power consumption	Energy, power consumption, power quality Soft starter: fan(s) and bypass relays Driven equipment: discrete Fourier transform
	Application functions	Preheating, smoke extraction, voltage boost, multimotor cascade, second motor set	Preheating, smoke extraction, voltage boost, second motor set, forward/reverse with two contactors managed by the soft starter, JOG, anti-jam, borehole pumps
Communication	Embedded	Modbus serial link	Modbus TCP, EtherNet/IP, Modbus serial link
	Option modules	Modbus TCP, EtherNet/IP, PROFIBUS DP V1, CANopen daisy chain, SUB-D, and screw terminal block	PROFIBUS DP V1, CANopen daisy chain, SUB-D, and screw terminal block
Configuration and runtime tools		Plain text display terminal, graphic display terminal (option), DTM (device type manager), SoMove software	Graphic display terminal, embedded Web server, DTM (device type manager), SoMove software
Number of I/O	Analog inputs	PTC or PT100 2/3 wires	PTC 1/6 resistors in series, PT100 2/3 wires, PT1000 2/3 wires, KTY
	Digital inputs	4	
	Analog outputs	1	
	Digital outputs	2	
	Relay outputs	3	
Standards and certifications		IEC/EN 60947-4-2, EMC class A and B CE, cULus, UKCA, CCC, RCM, KC, EAC, DNV, ABS, BV, CCS, REACH, RoHs	IEC/EN 60947-4-2, EMC class A CE, cULus, UKCA, RCM, CCC, DNV, REACH, RoHS
References		**ATS480●●●Y**	**ATS490●●●Y**

Soft Starter References


ATS22 example
ATS 22 D 32 Q
ATS Altistart
Product Line
01 ATS01 series
22 ATS22 series
480 ATS480 series
Factor for Current rating
D Amp x 1
C Amp x 10
M Amp x 100
Voltage class
Q 400V 3 phase
Y 690V 3 phase (always Y for ATS480)
Current Amp (value x factor for Amp) rating)

Altisart 01

Soft starter for simple machines
For 1-ph and 3-ph motors up to 15kW
Reduced voltage starting, built-in bypass relay.

Soft start only, 1-phase/3-phase supply voltage: 110-480V 50/60Hz

International approvals

> Controls 1 phase to limit the motor torque, soft start only

> Rated at 20 starts/hr with a maximum start time of 5 sec or equivalent cycle (class 10)

> For 1-ph connection, connect the GV2 breaker poles in series

> For 3-ph connection, a line contactor is required to stop the motor

> Requires an external control voltage (24Vdc or 230Vac)

Part Number	Assoc. C/B	In (A)	400V 3-ph kW	230V 1-ph kW	D(mm)	W(mm)	H(mm)
SEATS01N103FT	SEGV2P08	3	1.1	0.37	100	100	22.6
SEATS01N106FT	SEGV2P10	6	2.2	0.75			
SEATS01N109FT	SEGV2P14	9	4	1.1	130	124	45
SEATS01N112FT	SEGV2P16	12	5.5	1.5			
SEATS01N125FT	SEGV2P22	25	11	2.2			

SEATS01N103FT

Soft start/soft stop, 3-phase supply voltage: 380-415V 50/60Hz

> Controls 2 phases to limit the motor torque, soft start and soft stop

> 6A to 22A starters are rated for a max of 10 starts/hr, with a max start time of 10 sec or equivalent cycle (class 10). The 32A (15kW) starter is rated for 5 starts per hour.

> For applications requiring controlled start and stop, divide the max possible number of starts/hr by 2

> Control voltage supply built in to starter

Part Number	Assoc. Motor	In (A)	400V 3-ph kW	D(mm)	W(mm)	H(mm)
SEATS01N206QN	SEGV2P10	6	2.2	130	45	124
SEATS01N209QN	SEGV2P14	9	4			
SEATS01N212QN	SEGV2P16	12	5.5			
SEATS01N222QN	SEGV2P22	22	11	130	45	154
SEATS01N232QN	SEGV2P32	32	15			

SEATS01N206QN

Altisart 22

Soft starters for 3-phase AC motors 7.5kW to 315Kw
3-phase control, full protection features built in
Built in bypass contacts

Altistart 22 soft start/soft stop units

The Altistart 22 is a fully-featured range of compact soft start - soft stop soft units for AC motors in the power range 7.5kW to 315kW (400V supply). The range is suitable for all standard applications including:

International approvals

- > pumps
- > fans
- > conveyors
- > compressors
- > mixers
- > refiners
- > centrifugal machines

Features:

- > Built in bypass contacts reduce heat loss, installation time, enclosure size and complexity
- > 3-phase control ensures optimum motor performance
- > Full protection features built-in
- > Conformal coated electronic cards for resistance to harsh environments
- > Built-in keypad and 4-digit LED display for simple set up without fiddly switches or dials
- > Modbus communication interface

Standard duty:

The nominal rating is for standard class 10 applications with the following duty cycles:

- > 3.5 In (350% nominal motor current) for 40sec from cold with S1 motor duty
- > 3.5 In for 20sec with S4 motor duty, based on a load factor of 90%, or an equivalent thermal cycle

Altistart 22 soft start/stop motor starters

Part Number	Frame Size	Power Disappation W	Required Line Contactor	IP Rating	Nominal Current A	Motor Power kW
SEATS22D17Q	1	39	SELC1D18**	IP20	17	7.5
SEATS22D32Q	1	44	SELC1D32**	IP20	32	15
SEATS22D47Q	1	48	SELC1D50A**	IP20	47	22
SEATS22D62Q	2	59	SELC1D65A**	IP20	62	30
SEATS22D75Q	2	63	SELC1D80**	IP20	75	37
SEATS22D88Q	2	66	SELC1D115**	IP20	88	45
SEATS22C11Q	3	73	SELC1D115**	IP20	110	55
SEATS22C14Q	3	82	SELC1F150**	IP00	140	75
SEATS22C17Q	3	91	SELC1F185**	IP00	170	90
SEATS22C21Q	4	117	SELC1F225**	IP00	210	110
SEATS22C25Q	4	129	SELC1F265**	IP00	250	132
SEATS22C32Q	4	150	SELC1F330**	IP00	320	160
SEATS22C41Q	4	177	SELC1F400**	IP00	410	220
SEATS22C48Q	5	218	SELC1F500**	IP00	480	250
SEATS22C59Q	5	251	SELC1F630**	IP00	590	315

SEAS22D17Q

SEATS22CHQ

SEATS22C59Q

Dimensions & Weight

Frame size	HxWxDmm	Weight kg
1	265 x 130 x 169	7
2	295 x 145 x 207	12
3	356 x 150 x 229	18
4	425 x 206 x 299	33
5	455 x 304 x 340	50

Altivar Soft Starters

Soft starter for industrial processes and infrastructure
For 3-ph AC motors 4 to 900kW, 208 to 690V
High-performance soft start/stop motor starter featuring connectivity and cybersecurity
Direct replacement of ATS48

Presentation

Altivar Soft Starter ATS480 is the new range of soft starters from Schneider Electric designed to digitise the entire life cycle. Powered digitally by EcoStruxure™, ATS480 increases efficiency from selection to maintenance.

International approvals

Altivar Soft Starter ATS480 had been designed to:

> Respect cybersecurity requirements and usages according to the IEC 62443 standard

> Meet the requirements of the most stringent applications in normal and heavy duty

> Cover the operational voltage range from 208 to 690 V in a single product range up to 1200 A

Extend the service life of ATS48 equipment

ATS480 easily replaces ATS48:
> Same footprint and fixings, I/O, parameters, and application behaviour
> Keep the same devices, such as circuit breaker and contactors
> Transfer an ATS48 configuration to the ATS480 using SoMove Converter

Make way for evolution

> Connection to the main fieldbuses on the market, including Modbus TCP and Ethernet/IP
> Firmware update of the product and options
> Enhanced cybersecurity features
> Increased robustness: coated boards to class 3C3/3S3, and a powerful combination with TeSys Deca and Giga

Selection criteria:

The soft starter is selected based on the following criteria:
> Mains supply voltage
> Motor power and current rating
> Application duty type: Normal or Heavy duty

Select Normal or Heavy duty according to:
> Motor service duty type: S1 continuous, or S4 intermittent
> Service factor - number of starts per hour

The duty type also corresponds to motor protection class:
> Normal duty: Class 10E
> Heavy duty: Class 20E

Service type	Overload (starting)		Service cycle	
	Overcurrent	Duration	No. of starts/h	Conduction
Normal duty				
S1	4 x In	23 s	Continuous operation after starting	
	3 x In	46 s		
S4	4 x In	12 s	10	50%
	3 x In	23 s		
Heavy duty				
S1	4 x In	48 s	Continuous operation after starting	
	3 x In	90 s		
S4	4 x In	25 s	5	50%

Altivar Soft Starter ATS130

Model	Motor Power (kW)	Motor Rated (A)	Dimensions (WxHxD)	Weight (kg)	IP	Circuit Breaker (Type 1 Prot.)	Line Contactor
SEATS130N2D38LT	18.5	38	55W × 166H × 165D	1.26	20	SEGV3P40	SELC1D40A**
SEATS130N2D45LT	22	45	55W × 166H × 165D	1.26	20	SEGV3P50	SELC1D50A**
SEATS130N2D65LT	30	65	55W × 166H × 165D	1.26	20	SEGV3P65	SELC1D65A**
SEATS130N2D73LT	37	73	55W × 166H × 165D	1.26	20	SEGV3P73	SELC1D80A**
SEATS130N2D80LT	45	80	81W × 197H × 180D	2.055	20	SEGV4PB115*	SELC1D95**
SEATS130N2C11LT	55	105	81W × 197H × 180D	2.055	20	SEGV4PB115*	SELC1D115**

The Altivar Soft Starter ATS130 is a 2-phase controller with four thyristors using voltage ramp to control acceleration and deceleration of three-phase squirrel cage asynchronous motors up to 55 kW/75 HP. The integrated bypass limits the heat dissipation when the motor is running in steady state.

The ATS130 is a compact and cost-effective solution designed to:

*Reduce machine operating costs by reducing mechanical stress and improving machine availability

*Reduce the risk of severe damage by reducing fluid shocks and improving installation availability

*Reduce the stress on the electrical distribution system by reducing line current peaks and voltage drops during motor starts

Altivar Soft Starter ATS130 consists of one range only covering:

*Operational voltage from 200 V (-15%) to 480 V (10%)

*Operational current from 38 to 105 A

*Mains frequency from 50 to 60 Hz (-5%...5%)

Altivar Based on ATS130 and TeSys Deca frame 3 or 4 circuit breaker, ATS130 soft motor starter is a solution that includes all functions in a tested, compact, and easy-to-assemble combination. Starters ATS430 has an integrated display terminal that allows the user to change the configuration and settings, or monitor parameters related to the application, motor, or soft starter.

Important: A 24 VDC (-10%...10%) power supply is required for the ATS130 control circuit.

Altivar Soft Starter ATS430

Model	Motor Power (kW)	Rated Current (A)	Dimensions (W×H×D)	Weight (kg / lb)	IP	Circuit Breaker (Type 1 Prot.)	Line Contactor
SEATS430D17S6	7.5	17	130W × 273H × 169D	2.9	20	SEGV2L20	SELC1D18**
SEATS430D32S6	15	32	130W × 273H × 169D	2.9	20	SEGV2L32	SELC1D32**
SEATS430D47S6	22	47	130W × 273H × 194D	3.4	20	SEGV3L65	SELC1D50A**
SEATS430D62S6	30	62	160W × 283H × 230D	6.4	20	SEGV3L65	SELC1D65A**
SEATS430D75S6	37	75	160W × 283H × 230D	6.4	20	SEGV4L80N	SELC1D80**
SEATS430D88S6	45	88	160W × 289H × 230D	6.6	20	SEGV4L115N	SELC1D115**
SEATS430C11S6	55	110	160W × 289H × 230D	6.6	20	SEGV4L115N	SELC1D115**
SEATS430C14S6	75	140	160W × 356H × 231D	8.6	00*	SENSX160N MA	SELC1D150**
SEATS430C17S6	90	170	160W × 356H × 231D	8.6	00*	SENSX250N MA	SELC1G185****
SEATS430C21S6	110	210	206W × 443H × 261D	14.6	00*	SENSX250N MA	SELC1G225****
SEATS430C25S6	132	250	206W × 443H × 261D	15.6	00*	SENSX400N MicroLogic 1.3 M	SELC1G265****
SEATS430C32S6	160	320	206W × 443H × 261D	16.5	00*	SENSX400N MicroLogic 1.3 M	SELC1G330****
SEATS430C41S6	220	410	206W × 443H × 261D	16.5	00*	SENSX630H MicroLogic 1.3 M	SELC1G400****
SEATS430C48S6	250	480	304W × 455H × 296D	24.5	00*	SENSX630H MicroLogic 1.3 M	SELC1G500****
SEATS430C59S6	315	590	304W × 455H × 296D	24.5	00*	SENSX630H MicroLogic 5.0 LR Off	SELC1G630****

*The units rated from 140 to 590 A have unprotected power terminals. These terminals can be fitted with protective covers below.

ATS430C14S6 ... C17S6	SEVW3G4701
ATS430C21S6 ... C41S6	SEVW3G4702
ATS430C48S6 ... C59S6	SEVW3G4703

The Altivar Soft Starter ATS430 is a controller with four thyristors using the TCS (torque control system) algorithm to control acceleration, deceleration, and stopping of three-phase squirrel cage asynchronous motors up to 400 kW/500 HP.

The ATS430 is a cost-effective solution designed to:

* Reduce machine operating costs by reducing mechanical stress and improving machine availability

* Reduce the risk of severe damage by reducing fluid shocks and improving installation availability

* Reduce the stress on the electrical distribution system by reducing line current peaks and voltage drops during motor starts

* Reduce the installation cost thanks to the integrated bypass relays

* Improve reliability of your asset thanks to embedded features such as condition monitoring and cybersecurity

Altivar Soft Starter ATS430 consists of one range only covering:

* Operational voltage from 208 to 600 V

* Operational current from 17 to 590 A

* Control power supply from 110 to 230 VAC

ATS430 integrates two Modbus serial lines as standard:

One Modbus serial line available on an RJ45 port for:

* Connection to configuration and firmware update software

* Connection of a remote display terminal

* Connection to a Modbus fieldbus

One Modbus serial line available on open-style terminals for connection to a Modbus fieldbus

Altivar Soft Starters ATS430 has an integrated display terminal that allows the user to change the configuration and settings, or monitor parameters related to the application, motor, or soft starter.

Altivar Soft Starter ATS480

ATS480 IP20/IP00, in-line connection, without bypass

For 3-ph AC motors 4 to 900kW, 208 to 690V

The Altivar Soft Starter ATS480 is a controller with six thyristors using the TCS (torque control system) algorithm to control acceleration, deceleration, and stopping of three-phase squirrel cage asynchronous motors up to 900 kW.

The ATS480 is a cost-effective solution designed to:

* Reduce machine operating costs by reducing mechanical stress and improving machine availability
* Reduce the risk of severe damage by reducing fluid shocks and improving installation availability
* Reduce the stress on the electrical distribution system by reducing line current peaks and voltage drops during motor starts

Altivar Soft Starter ATS480 consists of one range only covering:

* Operational voltage from 208 to 690 V
* Operational current from 17 to 1200 A

ATS480 integrates Modbus serial line communication protocols as standard. Each device is equipped with two RJ45 ports for:

* Connection to configuration and firmware update software
* Connection of the plain text display terminal or graphic display terminal
* Connection to a Modbus fieldbus

In addition, the ATS480 is equipped with one slot for a communication module: Modbus TCP, EtherNet/IP, CANopen, PROFINET, or PROFIBUS DP.

Altivar Soft Starter ATS480

	NORMAL DUTY				HEAVY DUTY					
Model	Power (kW)	Current (A)	Circuit Breaker	Line/Bypass Contactor	Power (kW)	Current (A)	Circuit Breaker	Line/Bypass Contactor	Frame Size	IP
SEATS480D17Y	7.5	17	GV2L20	LC1D18**	5.5	12	GV2L20	LC1D18**	1	20
SEATS480D22Y	11	22	GV2L22	LC1D25**	7.5	17	GV2L20	LC1D18**	1	20
SEATS480D32Y	15	32	GV2L32	LC1D32**	11	22	GV2L22	LC1D25**	1	20
SEATS480D38Y	18.5	38	GV3L40	LC1D38**	15	32	GV2L32	LC1D32**	1	20
SEATS480D47Y	22	47	GV3L65	LC1D50A**	18.5	38	GV3L40	LC1D38**	1	20
SEATS480D62Y	30	62	GV3L65	LC1D65A**	22	47	GV3L65	LC1D50A**	2	20
SEATS480D75Y	37	75	GV4L80N	LC1D80**	30	62	GV3L65	LC1D65A**	2	20
SEATS480D88Y	45	88	NSX100N MA	LC1D115**	37	75	GV4L80N	LC1D80**	2	20
SEATS480C11Y	55	110	NSX160N MA	LC1D115**	45	88	NSX100N MA	LC1D115**	2	20
SEATS480C14Y	75	140	NSX160N MA	LC1D150**	55	110	NSX160N MA	LC1D115**	3	00*
SEATS480C17Y	90	170	NSX250N MA	LC1G185****	75	140	NSX160N MA	LC1D150**	3	00*
SEATS480C21Y	110	210	NSX250N MA	LC1G225****	90	170	NSX250N MA	LC1G185****	4	00*
SEATS480C25Y	132	250	NSX400N ML 1.3 M	LC1G265****	110	210	NSX250N MA	LC1G225****	4	00*
SEATS480C32Y	160	320	NSX400N ML 1.3 M	LC1G330****	132	250	NSX400N ML 1.3 M	LC1G265****	4	00*
SEATS480C41Y	220	410	NSX630H ML 1.3 M	LC1G500****	160	320	NSX400N ML 1.3 M	LC1G330****	5	00*
SEATS480C48Y	250	480	NSX630H ML 1.3 M	LC1G500****	220	410	NSX630H ML 1.3 M	LC1G500****	5	00*
SEATS480C59Y	315	590	NS630bH ML 5.0 LR	LC1G630****	250	480	NSX630H ML 1.3 M	LC1G500****	5	00*
SEATS480C66Y	355	660	NS800H ML 5.0 LR	LC1G630****	315	590	NS630bH ML 5.0 LR	LC1G630****	5	00*
SEATS480C79Y	400	790	NS800H ML 5.0 LR	LC1G800****	355	660	NS800H ML 5.0 LR	LC1G630****	6	00*
SEATS480M10Y	500	1000	NS1000H ML 5.0 LR	LC1F1000**	400	790	NS800H ML 5.0 LR	LC1G800****	6	00*
SEATS480M12Y	630	1200	NS1250H ML 5.0 LR	LC1F2600**	500	1045	NS1000H ML 5.0 LR	LC1F1000**	6	00*

The units from 140 to 1,200 A have unprotected power terminals. For units from 140 to 660 A, these terminals can be fitted with protective covers below.

* ATS480C14Y…C17Y	LA9F702
* ATS480C21Y…C32Y	LA9F703
* ATS480C41Y…C66Y	LA9F704

Dimensions & Weight

Frame Size	Model	Height (mm)	Width (mm)	Depth (mm)	Weight (mm)
1	D17Y…D47Y	275	160	203	4.9
2	D62Y…C11Y	290	190	247	8.3
3	C14Y…C17Y	340	200	272	12.4
4	C21Y…C32Y	380	320	277	18.2
5	C41Y…C66Y	670	400	314	51.4
6	C79Y…M12Y	890	770	329	115

Altivar Soft Starter ATS490

The Altivar Soft Starter ATS490 is a controller with six thyristors using the TCS (Torque Control System) algorithm to control acceleration, deceleration, and stopping of three-phase squirrel cage asynchronous motors up to 900 kW/1,200 HP.

The ATS490 is a cost-effective solution designed to:

* Reduce machine operating costs by reducing mechanical stress and improving machine availability

* Reduce the risk of severe damage by reducing fluid shocks and improving installation availability

* Reduce the stress on the electrical distribution system by reducing line current peaks and voltage drops during motor starts

* Reduce the installation cost thanks to the integrated bypass relays

* Improve reliability of your asset thanks to embedded features such as condition monitoring and cybersecurity

* Help to protect personnel with integrated STO function

Altivar Soft Starter ATS490 consists of one range only covering:

* Operational voltage from 208 to 690 V

* Operational current from 17 to 1,200 A

The ATS490 control circuit supply voltage is 110 to 230 V and is required to start the motor. The control part of ATS490 (control board, graphic display terminal, and fieldbus) can be powered by an external 24 VDC supply to keep communication, display, and diagnostics functions operating even when the mains power supply is shut down.

The ATS490 integrates the following communication protocols as standard:

Modbus serial line communication. Each device is equipped with two independent RJ45 serial ports for:

* Connection to configuration and firmware update software

* Connection of the graphic display terminal

* Connection to a Modbus fieldbus

Modbus TCP, EtherNet/IP communication. Each device is equipped with one RJ45 Ethernet port.

* Connection to configuration and firmware update software

* Connection to a Modbus TCP fieldbus

* Connection to EtherNet/IP fieldbus

* Connection to the embedded Web server

In addition, the ATS490 is equipped with one slot for an optional CANopen or PROFIBUS DP communication module.

Altivar Soft Starter ATS490

	NORMAL DUTY				HEAVY DUTY					
Model	Power (kW)	Current (A)	Circuit Breaker	Line Contactor	Power (kW)	Current (A)	Circuit Breaker	Line Contactor	Frame Size	IP
SEATS490D17Y	7.5	17	GV2L20	LC1D18**	5.5	12	GV2L20	LC1D18**	1	20
SEATS490D22Y	11	22	GV2L22	LC1D25**	7.5	17	GV2L20	LC1D18**	1	20
SEATS490D32Y	15	32	GV2L32	LC1D32**	11	22	GV2L22	LC1D25**	2a	20
SEATS490D38Y	18.5	38	GV3L40	LC1D38**	15	32	GV2L32	LC1D32**	2a	20
SEATS490D47Y	22	47	GV3L65	LC1D50A**	18.5	38	GV3L40	LC1D38**	2a	20
SEATS490D62Y	30	62	GV3L65	LC1D65A**	22	47	GV3L65	LC1D50A**	2b	20
SEATS490D75Y	37	75	GV4L80N	LC1D80**	30	62	GV3L65	LC1D65A**	2b	20
SEATS490D88Y	45	88	GV4L115N	LC1D115**	37	75	GV4L80N	LC1D80**	2b	20
SEATS490C11Y	55	110	GV4L115N	LC1D115**	45	88	GV4L115N	LC1D115**	2b	20
SEATS490C14Y	75	140	NSX160N MA	LC1D150**	55	110	GV4L115N	LC1D115**	3	00*
SEATS490C17Y	90	170	NSX250N MA	LC1G185****	75	140	NSX160N MA	LC1D150**	3	00*
SEATS490C21Y	110	210	NSX250N MA	LC1G225****	90	170	NSX250N MA	LC1G185****	4	00*
SEATS490C25Y	132	250	NSX400N ML 1.3 M	LC1G265****	110	210	NSX250N MA	LC1G225****	4	00*
SEATS490C32Y	160	320	NSX400N ML 1.3 M	LC1G330****	132	250	NSX400N ML 1.3 M	LC1G265****	4	00*
SEATS490C41Y	220	410	NSX630H ML 1.3 M	LC1G500****	160	320	NSX400N ML 1.3 M	LC1G330****	4	00*
SEATS490C48Y	250	480	NSX630H ML 1.3 M	LC1G500****	220	410	NSX630H ML 1.3 M	LC1G500****	5	00*
SEATS490C59Y	315	590	NS630bH ML 5.0 LR	LC1G630****	250	480	NSX630H ML 1.3 M	LC1G500****	5	00*
SEATS490C66Y	355	660	NS800H ML 5.0 LR	LC1G630****	315	590	NS630bH ML 5.0 LR	LC1G630****	5	00*
SEATS490C79Y	400	790	NS800H ML 5.0 LR	LC1G800****	355	660	NS800H ML 5.0 LR	LC1G630****	6	00*
SEATS490M10Y	500	1000	NS1000H ML 5.0 LR	LC1F1000**	400	790	NS800H ML 5.0 LR	LC1G800****	6	00*
SEATS490M12Y	630	1200	NS1250H ML 5.0 LR	LC1F2600**	500	1045	NS1000H ML 5.0 LR	LC1F1000**	6	00*

The units from 140 to 1,200 A have unprotected power terminals. For units from 140 to 660 A, these terminals can be fitted with protective covers below.

* ATS490C14Y...C17Y	VW3G4701
* ATS490C21Y...C41Y	VW3G4702
* ATS490C48Y...C66Y	VW3G4703

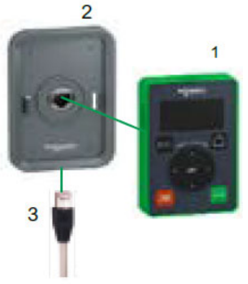
Dimensions & Weight

Frame Size	Model	Height (mm)	Width (mm)	Depth (mm)	Weight (mm)
1	D17Y...D22Y	283	160	185	3.8
2a	D32Y...D47Y	289	160	234	5.8
2b	D62Y...C11Y	289	160	234	7
3	C14Y...C17Y	356	160	235	9.5
4	C21Y...C41Y	443	206	265	19
5	C48Y...C66Y	455	304	300	28
6	C79Y...M12Y	580	436	350	65

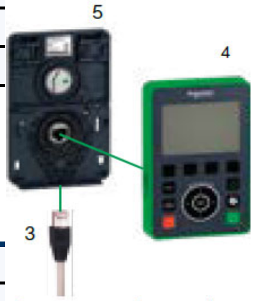
Display and Communications Options

Remote display Terminal

Part Number	Description	Item Number	Length
SEVW3A1113	Basic display terminalSupplied with ATS480. IP21, 2x line text, LCD display	1	
SEVW3A1114	Basic display terminal mounting kit IP43, 22.5mm Ø hole mounting	2	
SEVW3A1104R10	Remote display cable	3	1
SEVW3A1104R30	Equipped with 2x RJ45 connectors		3
SEVW3A1104R50			5
SEVW3A1104R100			10
SEVW3A1111	Graphic display terminal IP65, 240x160 pixels red/white backlight, QR code, USB storage	4	
SEVW3A1112	Graphic display mounting kit IP65, 22.5mm Ø hole mounting	5	
SETCSXCNAMUM3P	USB A/mini-B USB cable For connecting graphic display to PC		3



Components for panel mounting of basic display terminal



Components for panel mounting of graphic terminal

Configuration tools

Part Number	Description
	SoMove configuration software - Free to download from www.se.com/nz/somove
SETCSMCNAM3M002P	Programming cable USB-Modbus RJ45 - Connects PC USB port to drive modbus port
SETCSEGWB131W	WIFI access point - Portable battery powered WIFI accesess point (1)

Embedded I/O and communciation ports

Inputs and Outputs:

> 4x Digital Inputs

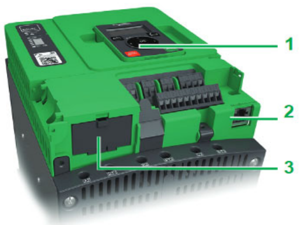
> 1x Analogue Input for PTC or PT100 2- or 3-wire probe

> 2x Digital Outputs

> 3x Relay Outputs

Communication ports:

1. HMI communication port 1x RJ45
2. Modbus serial communication port 1x RJ45
3. Communication module slot x1



Altivar Soft Starter ATS480 ports and slots

Communication cards

Part Number	Description	Connector Type
SEVW3A3720	Ethernet Modbus TCP and EtherNet/IP	2x RJ45
SEVW3A3607	PROFIBUS DP V1	SUB-D9
SEVW3A3647 (2)	PROFINET	2x RJ45
SEVW3A3608	CANopen RJ45 daisy-chain	2x RJ45
SEVW3A3618	CANopen with SUB-D9 connector	SUB-D9
SEVW3A3628	CANopen with terminal connector	Terminals

SEVW3A3720

Notes

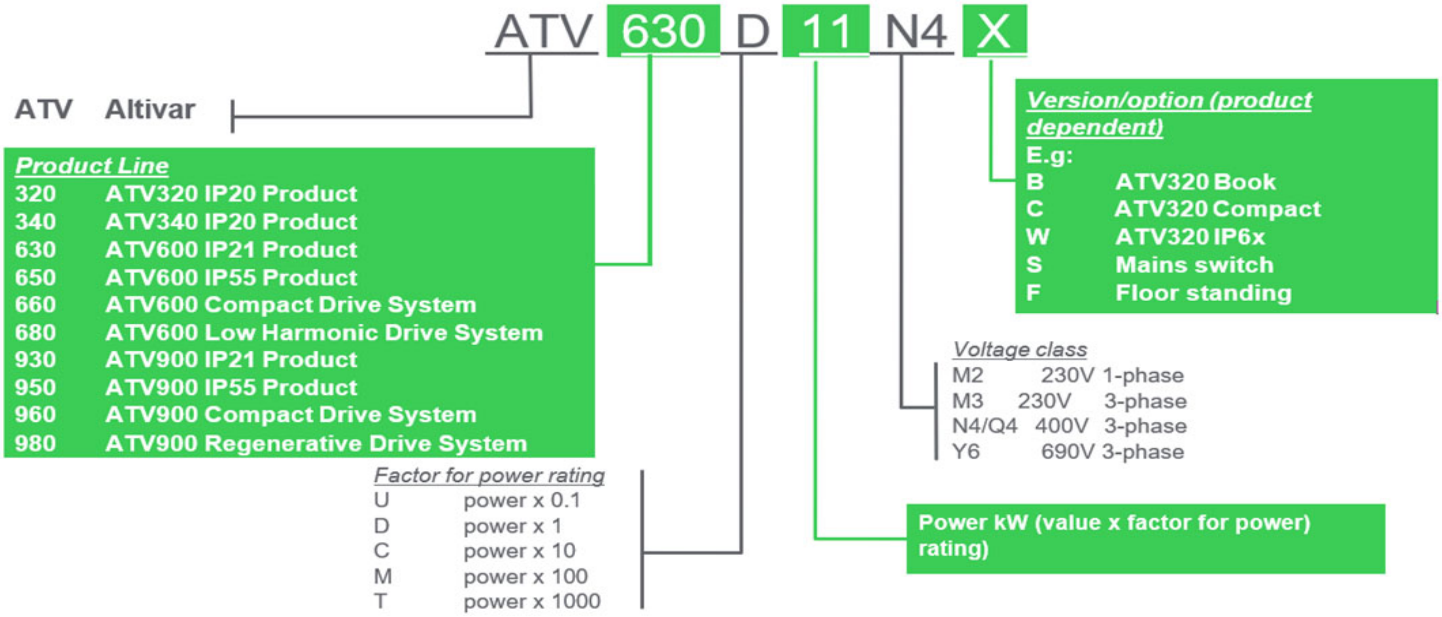
Selection Guide

Variable Speed Drives - Altivar Machine

- ● **Suitable**
- ◐ **May be suitable but not optimised**
- ○ **Not Recommended**
- HD **Heavy duty rating**

Application suitability is intended as a guide only. Please contact Schneider Electric for selection, application and engineering advice.

		Simple machines	Compact machines	Compact machines
		Altivar 12 Compact drive for small industrial and commercial machines	**Altivar 320** Compact or Book format drives for simple to advanced machines	**Altivar 320 IP6x** Compact drives with high ingress protection
Typical applications				
Pumps	Centrifugal	●	●	●
	Effluent	●	●	●
	Piston	●	●	●
	Submersible	◐	◐	◐
	Vacuum	●	●	●
Fans		●	●	●
Compressors	Piston	●	●	●
	Refrigeration	●	●	●
	Screw	●	●	●
	Scroll	●	●	●
Agitator		●	●	●
Blower		●	●	●
Centrifuge		○	◐	◐
Conveyor		●	●	●
Crusher		◐	●	●
Extruder		◐	●	●
Grinder		◐	●	●
Hoist		○	◐	◐
Lift		○	●	●
Mixer		●	●	●
Press		◐	●	●
Refiner		◐	●	●
Saw		◐	●	●
Separater		○	◐	◐
Characteristics				
Supply voltage		1Ø 200 to 240V*	1Ø 200 to 240V* 3Ø 380 to 500V*	1Ø 200 to 240V* 3Ø 380 to 500V*
Power range		0.18…2.2kW	0.18…15kW	0.18…7.5kW
Enclosure rating	Standard	IP20	IP20	IP66, IP65 with switch
	With option	-	IP20 wall mount	-
Motor control features		Standard (U/f), Performance (sensor-less flux vector), Pump/fan (U/f quad.)	Standard (U/f), Performance (sensor-less flux vector), Pump/fan (U/f quad.), Energy saving, PM synchronous	Standard (U/f), Performance (sensor-less flux vector), Pump/fan (U/f quad.), Energy saving, PM synchronous
Motor over-torque (typical)		150…170% Tn	170…200% Tn	170…200% Tn
Number of functions		40	150	150
Number of I/O	Analogue inputs	1	3	3
	Digital inputs	4	6	6
	Analogue outputs	1	1	1
	Digital outputs	1	1	1
	Relay outputs	1	2	2
Safety functions	Integrated	-	STO SIL3, SS1, SLS, SMS, GDL	STO SIL3, SS1, SLS, SMS, GDL
	With option	-	-	-
Communication	Integrated	Modbus	Modbus, CANopen	Modbus, CANopen
	With option	-	EtherNet/IP, Modbus TCP, DeviceNet, PROFIBUS DP V1, PROFINET, EtherCAT, POWERLINK	EtherNet/IP, Modbus TCP, DeviceNet, PROFIBUS DP V1, PROFINET, EtherCAT, POWERLINK



ATV Altivar

Product Line	
320	ATV320 IP20 Product
340	ATV340 IP20 Product
630	ATV600 IP21 Product
650	ATV600 IP55 Product
660	ATV600 Compact Drive System
680	ATV600 Low Harmonic Drive System
930	ATV900 IP21 Product
950	ATV900 IP55 Product
960	ATV900 Compact Drive System
980	ATV900 Regenerative Drive System

Factor for power rating	
U	power x 0.1
D	power x 1
C	power x 10
M	power x 100
T	power x 1000

Power kW (value x factor for power) rating)

Voltage class		
M2	230V	1-phase
M3	230V	3-phase
N4/Q4	400V	3-phase
Y6	690V	3-phase

Version/option (product dependent)

E.g:

B	ATV320 Book
C	ATV320 Compact
W	ATV320 IP6x
S	Mains switch
F	Floor standing

Altivar 12

Variable speed drives
For 1-ph 230V supplies, 3-ph AC motors 0.18 to 2.2kW
IP20 enclosure, conformal coating, open loop vector motor control
Built in level C1 (residential) EMC RFI filter

The Altivar 12 variable speed drive is perfect for small machine applications for AC motors in the power range 0.18 to 2.2kW. Compact, high performance and user friendly, Altivar 12 will give your machines the competitive edge.

>Pumps
>Conveyors
>Mixers
>Automatic Gates
>Fans
>Compressors
>Material Handling
>Portable Machines

Features

> Integrated Category 1 EMC line filter for simple integration in residential environments (5)
> Conformal coated electronic cards for resistance to harsh environments
> Can be configured in complete safety with the power off, even in its packaging!
> High performance Sensorless Flux Vector motor control

> Modbus communication interface

SEATV12H037M2

Part Number	Dimensions (h x w x d)	Amps	kW	Volts
SEATV12H018M2	143 x 72 x 103	1.4	0.18	240V
SEATV12H037M2	143 x 72 x 122	2.4	0.37	240V
SEATV12H055M2	143 x 72 x 132	3.5	0.55	240V
SEATV12H075M2	143 x 72 x 132	4.2	0.75	240V
SEATV12HU15M2	143 x 105 x 157	7.5	1.5	240V
SEATV12HU22M2	143 x 105 x 157	10	2.2	240V

SEATV12HU22M2

Models also available:

> 1-ph supply: 100...120V, 3-ph 230V 0.18...0.75kW
> 3-ph supply: 200...240V, 0.18...4kW
> Version for baseplate mounting: 0.18...4kW

Accessories

Part Number	
SEVW3A9804	Din Rail Mounting Plate (0.18kW – 0.75kW)
SEVW3A9805	Din Rail Mounting Plate (1.5kW – 2.2kW)
SESZ1RV1202	Remote Speed Potentiometer (2.2kΩ, with dial and knob)
SEVW3A1006	Remote LED Display Terminal (IP54)
SEVW3A1007	Remote LED Display Terminal (IP65)
SEVW3A1104R30	Remote Display Cable (3m) – (1m avail)
SETCSMCNAM3M002P	USB-Modbus RJ45 Cable – To connect PC to Drive (2.5m)
SEVW3A8121	Multi-Loader Tool – for unpowered configuration of VSD
SEVW3A8126	Multi-Loader Cable – to connect Multi-Loader Tool to VSD

REF
MON
CONF
Value
Unit
MODE
ENT
ESC
RUN
FWD
REV
STOP
RESET

SEVW3A1006

Altivar Machine ATV320 - Compact

Compact Version
Variable speed drives for simple to advanced machines
For 3-ph motors 0.18 to 15kW
IP20 Compact version
Safety functions, advanced connectivity, ATV Logic programmable

ATV 320 Compact 0.18kw to 2.2kW

230V 1-ph supply 200...240V, 50/60Hz, integrated EMC filter, IP20

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U02M2C	1.5	0.18	N/A	N/A	1C	22 W
SEATV320U04M2C	3.3	0.37	1.5	0.18	1C	32 W
SEATV320U06M2C	3.7	0.55	3.3	0.37	1C	42 W
SEATV320U07M2C	4.8	0.75	3.7	0.55	1C	48 W
SEATV320U11M2C	6.9	1.1	4.8	0.75	2C	66 W
SEATV320U15M2C	8	1.5	6.9	1.1	2C	82 W
SEATV320U22M2C	11	2.2	8	1.5	2C	110 W

SEATV320U04M2C

ATV 320 Compact 0.37kw to 15kW

400V 3-ph supply 380...500V, 50/60Hz, integrated EMC filter, IP20

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U04N4C	1.5	0.37	N/A	N/A	2C	28 W
SEATV320U04N4C	1.9	0.55	1.5	0.37	2C	33 W
SEATV320U07N4C	2.3	0.75	1.9	0.55	2C	38 W
SEATV320U11N4C	3	1.1	2.3	0.75	2C	47 W
SEATV320U15N4C	4.1	1.5	3	1.1	2C	61 W
SEATV320U22N4C	5.5	2.2	4.1	1.5	3C	76 W
SEATV320U30N4C	7.1	3	5.5	2.2	3C	94 W
SEATV320U40N4C	9.5	4	7.1	3	3C	112 W
SEATV320U55N4C	14.3	5.5	9.5	4	4C	232 W
SEATV320U75N4C	17	7.5	14.3	5.5	4C	262 W
SEATV320D11N4C	27.7	11	17	7.5	5C	398 W
SEATV320D15N4C	33	15	27.7	11	5C	475 W

SEATV320U04N4C

SEATV320U22N4C

SEATV320U75N4C

Dimensions & Weight

Frame size	Dimensions H x W x D mm	Weight kg
1C	143 x 72 x 138	1.1
2C	142 x 105 x 158	1.6
3C	184 x 140 x 158	2.2
4C	232 x 150 x 178	3.6
5C	330 x 180 x 198	69

Altivar Machine ATV320 - Book

Variable speed drives for simple to advanced machines
For 3-ph motors 0.18 to 15kW
IP20 Book version
Safety functions, advanced connectivity, ATV Logic programmable

ATV 320 Book 0.18kw to 2.2kW

230V 1-ph supply 200...240, 50/60Hz, integrated EMC filter, IP20

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U02M2B	1.5	0.18	N/A	N/A	1B	25 W
SEATV320U04M2B	3.3	0.37	1.5	0.18	1B	38 W
SEATV320U06M2B	3.7	0.55	3.3	0.37	1B	42 W
SEATV320U07M2B	4.8	0.75	3.7	0.55	1B	51 W
SEATV320U11M2B	6.9	1.1	4.8	0.75	2B	64 W
SEATV320U15M2B	8	1.5	6.9	1.1	2B	81 W
SEATV320U22M2B	11	2.2	8	1.5	2B	102 W

SEATV320U02M2B

ATV 320 Book 0.37kw to 15kW

400V 3-ph supply 380...500, 50/60Hz, integrated EMC filter, IP20

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U04N4B	1.5	0.37	N/A	N/A	1B	27 W
SEATV320U04N4B	1.9	0.55	1.5	0.37	1B	31 W
SEATV320U07N4B	2.3	0.75	1.9	0.55	1B	37 W
SEATV320U11N4B	3	1.1	2.3	0.75	1B	50 W
SEATV320U15N4B	4.1	1.5	3	1.1	1B	63 W
SEATV320U22N4B	5.5	2.2	4.1	1.5	2B	78 W
SEATV320U30N4B	7.1	3	5.5	2.2	2B	100 W
SEATV320U40N4B	9.5	4	7.1	3	2B	125 W
SEATV320U55N4B	14.3	5.5	9.5	4	3B	233 W
SEATV320U75N4B	17	7.5	14.3	5.5	3B	263 W
SEATV320D11N4B	27.7	11	17	7.5	4B	403 W
SEATV320D15N4B	33	15	27.7	11	4B	480 W

SEATV320U55N4B

SEATV320D11N4B

Dimensions & Weight

Frame size	Dimensions H x W x D mm	Weight kg
1B	317 x 45 x 245	2.5
2B	317 x 60 x 245	3
3B	232 x 150 x 232	7.5
4B	330 x 180 x 232	8.8

Altivar Machine ATV320 - IP66

IP66 Version
Variable speed drives for simple to advanced machines
For 3-ph motors 0.18 to 7.5kW
IP66 version without mains switch
Customisable enclosure, resistant to harsh environments

ATV 320 IP66 0.18kw to 2.2kW

230V 1-ph supply 200...240V, 50/60Hz, integrated EMC filter, IP66

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U02M2W	1.5	0.18	N/A	N/A	1W	22 W
SEATV320U04M2W	3.3	0.37	1.5	0.18	1W	32 W
SEATV320U06M2W	3.7	0.55	3.3	0.37	1W	42 W
SEATV320U07M2W	4.8	0.75	3.7	0.55	1W	48 W
SEATV320U11M2W	6.9	1.1	4.8	0.75	3W	66 W
SEATV320U15M2W	8	1.5	6.9	1.1	3W	82 W
SEATV320U22M2W	11	2.2	8	1.5	3W	110 W

SEATV320U07M2W

ATV 320 IP66 0.37kw to 7.5kW

400V 3-ph supply 380...500V, 50/60Hz, integrated EMC filter, IP66

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV320U04N4W	1.5	0.37	N/A	N/A	2W	28 W
SEATV320U04N4W	1.9	0.55	1.5	0.37	2W	33 W
SEATV320U07N4W	2.3	0.75	1.9	0.55	2W	38 W
SEATV320U11N4W	3	1.1	2.3	0.75	2W	47 W
SEATV320U15N4W	4.1	1.5	3	1.1	2W	61 W
SEATV320U22N4W	5.5	2.2	4.1	1.5	3W	76 W
SEATV320U30N4W	7.1	3	5.5	2.2	3W	94 W
SEATV320U40N4W	9.5	4	7.1	3	3W	112 W
SEATV320U55N4W	14.3	5.5	9.5	4	4W	233 W
SEATV320U75N4W	17	7.5	14.3	5.5	4W	263 W

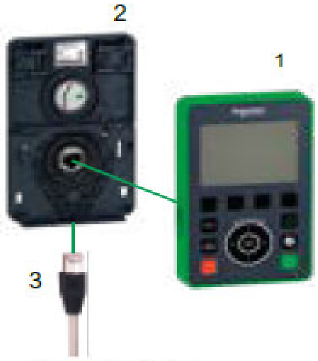
SEATV320U75N4W

Dimensions & Weight

Frame size	Dimensions H x W x D mm	Weight kg
1W	340 x 250 x 182	5.5
2W	340 x 250 x 200	6.4
3W	340 x 250 x 235	8.2
4W	521 x 320 x 300	22

Altivar Machine ATV320 Accessories

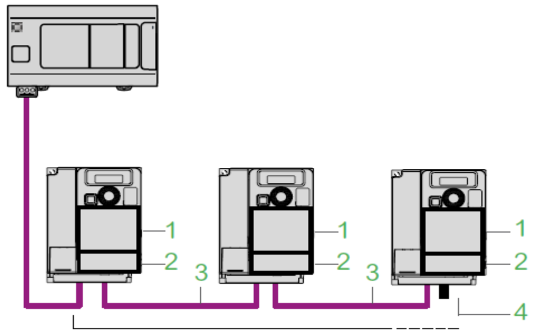
Part Number	
SEVW3A1111	Remote Graphic Display Terminal – IP65 *Requires Cable and Remote Mounting Kit* (1)
SEVW3A1112	Remote Mounting Kit – IP65 22.5mm Ø hole mounting (2)
SEVW3A1104R30	Remote Display Cable – 3M (Avail in 1m ,3m, 5m &10m) (3)
SETCSXCNAMUM3P	PC to Graphic Display Cable
SEVW3A8121	Multi-Loader Configuration Tool– for unpowered configuration of VSD
VW3A8126	Multi-Loader Connection Cable



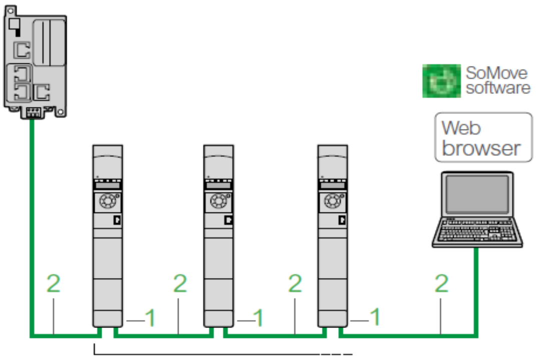
Components for panel mounting of graphic terminal

Part Number	
SEVW3A3600	Compact Option Module Adaptor – For Compact and IP66 Options
SEVW3A3608	CANopen RJ45 daisy-chain
SEVW3A3609	DeviceNet
SEVW3A3601	EtherCAT
SEVW3A3619	POWERLINK
SEVW3A3607	PROFIBUS DP V1
SEVW3A3627	Profinet
SEVW3CANCARR03	CANopen Cable (0.3m)
SETCSCAR013M120	CANopen Terminators
SE490NTW00002	Ethernet ConneXium cable Cat 5 STP (2m)
SEVW3A3620	Speed Monitoring Card

SEVW3A3608



Example CANopen daisy-chain RJ45 network with ATV320C and components:
1 VW3A3600
2 VW3A3608
3 VW3CANCARR03
4 TCSCAR013M120



Example Ethernet/IP daisy-chain RJ45 network with ATV320B and components:
1 VW3A3616
2 490NTW00002

Altivar Process - ATV600 & ATV900

Variable speed drives for 3-phase motors 0.75kW to 2600kW
Embedded digital services to boost industrial and utility process efficiency

Altivar Process is the first 'Services Oriented Drive', which thanks to embedded digital services, is designed to improve operational efficiency in process industries such as:

> Water & waste water - Municipal and irrigation pumping stations, boosting stations, pumps, lifting stations, aeration, blowers, sludge conveying...
> Food & beverage - dairy (pumping, drying, refrigeration…), sugar (pumping, blowers, refiners, dryers…)
> Mining, minerals and metals - water pumps, floatation and thickening, de-watering and filtration, kiln fans, blowers, conveyors, rolling mills...
> Oil & gas - submersible pumps, jack pumps, oil line pumps, water injection pumps, re-gasification compressors…

Applications:

Altivar Process ATV600 series focuses on fluid and gas applications:
Pumps, fans, compressors, blowers etc.
> Advanced pump control, monitoring and protection functions. Pump curve management, BEP monitoring and sensor- less flow estimation…
Altivar Process ATV900 series focuses on maximum performance of mechanical applications:
Conveyers, separators, grinders, crushers, refiners etc.
> Superior motor control in open or closed loop, dynamic braking and regenerative solutions, torque control functions, advanced load sharing and safety…

Benefits:

Improves overall equipment efficiency (OEE) and reduces total cost of ownership (TCO). Supports energy management, asset management and improved process performance.
> Enables sustainable cost savings thanks to predictive condition-based maintenance
> Reduces down time by up to 20% without additional investment

Energy management services:

> Better that 5% accuracy energy measurement, dashboards, trends, drift detection…
> Start and Stop function reduces standby power consumption by up to 60%
> Reduction of harmonics, in the standard product and with an innovative low harmonics offer

Embedded digital services:

> Embedded Ethernet, with option for advanced Ethernet functions (dual-port, self-healing networks etc)
> Integral to Plantstruxure™ automation architecture; configure and monitor the drive via SoMove or Unity automation software suites
> Advanced, secure web server for access to dashboards, monitoring and configuration from any web device
> Drift detection, trending, KPIs and alarms enable preventative maintenance actions
> Dynamic QR codes for dynamic help and application support from the web

Flexible and ready for installation:

> IP21 and IP55 products to suit the installation. Modular high power floor-standing drives in compact IP23 or IP54 versions
> Delivered ready for fast and easy installation:
> Integrated cable entry terminal box, equipped with cable glands and EMC connections
> Removable, colour-coded control terminals
> Designed for operation with long motor cables: 150m for screened cables without the need for additional options cables and 300m for unscreened
> Unique engineered drives, customised to the application

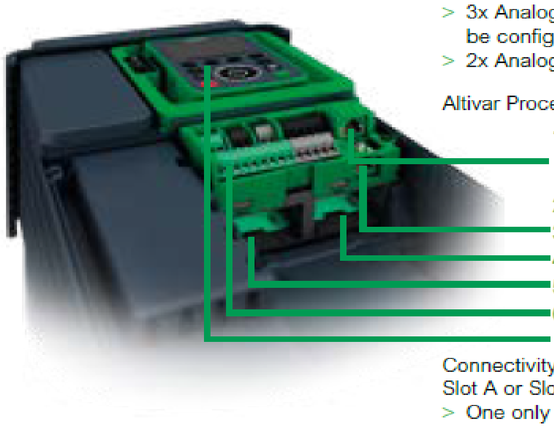
Water & waste water applications

Altivar Process - ATV600 & ATV900

Integrated I/O and Communication ports

Altivar Process ATV600:

- 6x Digital Inputs, 24VDC sink or source, multi-function assignable.
- 2x Safe Torque Off (STO) Inputs, dedicated safety function to SIL3, PLe.
- 3x Relay Outputs, R1 with NO and NC contacts, R2 and R3 with NO contacts. Max. 250VAC or 30VDC, 5A resistive or 2A inductive load.
- 3x Analogue Inputs, configurable as voltage (0...10V) or current (0...20mA/4...20mA). AI2 and AI3 can be configured to monitor sensor probes (PTC, PT100, PT1000, or KTY84).
- 2x Analogue Outputs, configurable as voltage (0...10V) or current (0...20mA).



Altivar Process ATV600 drives include the following interface ports as standard:

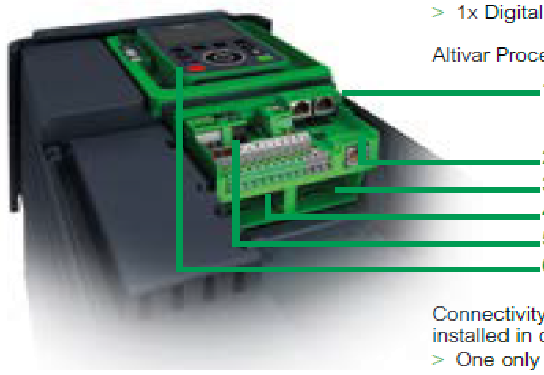
1. Ethernet Modbus TCP, 1x RJ45 port for control and monitoring. Supports SNMP, FDR, embedded web server, access security, connection to setup and monitoring tools (SoMove, Unity DTM).
2. Serial Modbus RS-485 RTU, 1x RJ45 port. Multi-drop connection to Modbus network
3. Slot A for I/O expansion or communcation card
4. Slot B for I/O expansion card
5. Removable terminals for field I/O wiring, colour coded
6. Serial Modbus RS-485 RTU, 1x RJ45 port for HMI (graphic display terminal, Magelis etc.), or PC with SoMove or Unity software

Connectivity can be extended with I/O expansion cards and communication cards installed in option Slot A or Slot B:

- One only communication card in Slot A
- Up to two I/O expansion cards in Slot A and/or Slot B. The I/O expansion cards must be of a different type, i.e. one logic expansion card and one relay output card

Altivar Process ATV900:

- 8x Digital Inputs, 24VDC sink or source, multi-function assignable.
- 2x Safe Torque Off (STO) Inputs, dedicated safety function to SIL3, PLe.
- 3x Relay Outputs, R1 with NO and NC contacts, R2 and R3 with NO contacts. Max. 250VAC or 30VDC, 5A resistive or 2A inductive load.
- 3x Analogue Inputs, configurable as voltage (0...10V) or current (0...20mA/4...20mA). AI1 can be configured as 0...±10V). AI2 and AI3 can be configured to monitor sensor probes (PTC, PT100, PT1000, or KTY84).
- 2x Analogue Outputs, configurable as voltage (0...10V) or current (0...20mA).
- 1x Digital Output



Altivar Process ATV900 drives include the following interface ports as standard:

1. Ethernet Modbus TCP / EtherNet/IP, 2x RJ45 ports for control and monitoring. Supports EtherNet/IP CIP objects compliant to ODVA specification, RSTP, SNMP, FDR, embedded web server, access security, connection to setup and monitoring tools (SoMove, Unity DTM).
2. Serial Modbus RS-485 RTU, 1x RJ45 port. Multi-drop connection to Modbus network.
3. Slot A for I/O expansion or communcation card
4. Slot B for I/O expansion or encoder interface card
5. Removable terminal block for field I/O wiring, colour coded
6. Serial Modbus RS-485 RTU, 1x RJ45 port for HMI (graphic display terminal, Magelis etc.), or PC with SoMove or Unity software

Connectivity can be extended with I/O expansion cards, communication cards, and encoder cards installed in option Slot A or Slot B:

- One only communication card in Slot A.
- Up to two I/O expansion cards in Slot A and/or Slot B. The I/O expansion cards must be of a different type, i.e. one logic expansion card and one relay output card.
- One only encoder interface card in Slot B.

Safety functions are extended via safety expansion card and additional option module support (Slot C).

Altivar Process - ATV600 & ATV900

Altivar Process - ATV630

380 to 480V - 3 Phase - IP21 – Wall Mount 0.75kW – 315kW

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV630U07N4	2.2	0.75	1.5	0.37	1	47W
SEATV630U15N4	4	1.5	2.2	0.75	1	69W
SEATV630U22N4	5.6	2.2	4	1.5	1	90W
SEATV630U30N4	7.2	3	5.6	2.2	1	109W
SEATV630U40N4	9.3	4	7.2	3	1	130W
SEATV630U55N4	12.7	5.5	9.3	4	1	182W
SEATV630U75N4	16.5	7.5	12.7	5.5	2	216W
SEATV630D11N4	23.5	11	16.5	7.5	2	306W
SEATV630D15N4	31.7	15	23.5	11	3	425W
SEATV630D18N4	39.2	18.5	31.7	15	3	527W
SEATV630D22N4	46.3	22	39.2	18.5	3	573W
SEATV630D30N4	61.5	30	46.3	22	4	733W
SEATV630D37N4	74.5	37	61.5	30	4	902W
SEATV630D45N4	88	45	74.5	37	4	1064W
SEATV630D55N4	106	55	88	45	5	1048W
SEATV630D75N4	145	75	106	55	5	1543W
SEATV630D90N4	173	90	145	75	5	1781W
SEATV630C11N4	211	110	145	90	6	2820W
SEATV630C13N4	250	132	211	110	6	3357W
SEATV630C16N4	302	160	250	132	6	3912W
SEATV630C22N4	427	220	302	160	7a	5481W
SEATV630C25N4	481	250	427	220	7b	6379W
SEATV630C31N4	616	315	481	250	7b	7868W

SEATV630U30N4

SEATV630D55N4

Altivar Process - ATV650

380 to 480V - 3 Phase - IP55 – Wall Mount 0.75kW – 90kW

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV650U07N4	2.2	0.75	1.5	0.37	A	47W
SEATV650U15N4	4	1.5	2.2	0.75	A	69W
SEATV650U22N4	5.6	2.2	4	1.5	A	90W
SEATV650U30N4	7.2	3	5.6	2.2	A	109W
SEATV650U40N4	9.3	4	7.2	3	A	130W
SEATV650U55N4	12.7	5.5	9.3	4	A	182W
SEATV650U75N4	16.5	7.5	12.7	5.5	A	216W
SEATV650D11N4	23.5	11	16.5	7.5	A	306W
SEATV650D15N4	31.7	15	23.5	11	A	425W
SEATV650D18N4	39.2	18.5	31.7	15	A	527W
SEATV650D22N4	46.3	22	39.2	18.5	A	573W
SEATV650D30N4	61.5	30	46.3	22	B	733W
SEATV650D37N4	74.5	37	61.5	30	B	902W
SEATV650D45N4	88	45	74.5	37	B	1064W
SEATV650D55N4	106	55	88	45	C	1048W
SEATV650D75N4	145	75	106	55	C	1543W
SEATV650D90N4	173	90	145	75	C	1781W

SEATV650U75N4

SEATV650D75N4

Altivar Process - ATV950

380 to 480V - 3 Phase - IP54 – Floor Standing 110kW – 315kW

Part Number	SD Amps	SD kW	HD Amps	HD kW	Size	Heat Loss
SEATV950C11N4F	211	110	173	90	FA	2530W
SEATV950C13N4F	250	132	211	110	FA	3150W
SEATV950C16N4F	302	160	250	132	FA	4030W
SEATV950C20N4F	370	200	302	160	FB	4380W
SEATV950C25N4F	477	250	370	200	FB	5750W
SEATV950C31N4F	590	315	477	250	FB	7810W

For sizes larger than 315kW, refer to ATV960/980 floor standing drive systems.

Models also available:

> 400V 3-ph supply: 380...480V, 110...800kW floor standing IP23/IP54 drive systems
> 690V 3-ph supply: 500…690V, 110…1200kW floor standing IP23/IP54 drive systems

Altivar Process - ATV 630/930 Dimensions

Dimensions & Weight

Frame size	Drive ATV930	Dimensions H x W x D mm	Weight kg
1	U07N4...U55N4	350 x 144 x 206	4.7
2	U75N4, D11N4	409 x 171 x 236	7.7
3	D15N4...D22N4	546 x 211 x 235	14.3
4	D30N4...D45N4	673 x 226 x 274	28.7
5	D55N4...D90N4	922 x 290 x 326	59.5
6	C11N4...C16N4	1205 x 320 x 393	104
7a	C22N4	1498 x 440 x 380	172
7b	C25N4C, C31N4C	1498 x 598 x 380	203

Altivar Process - ATV 650/950 Dimensions

Frame size	Drive ATV950	Dimensions H x W x D mm	Weight kg
A	U07N4...D22N4	678 x 264 x 299	20.6
B	D30N4...D45N4	910 x 290 x 340	50
C	D55N4...D90N4	1250 x 345 x 375	87
FA	C11N4F...C16N4F	2350 x 400 x 600	310
FB	C20N4F...C31N4F	2350 x 600 x 600	420

ATV930U07N4

ATV930D15N4

SEATV930D55N4

SEATV930C25N4C

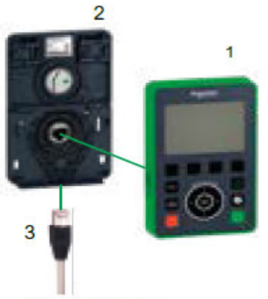
SETV930D15N4

SEATV930C31N4F

Altivar Process ATV600 & ATV900

Accessories

Part Number	
SEVW3A1111	Remote Graphic Display Terminal – IP65 *Requires Cable and Remote Mounting Kit* (1)
SEVW3A1112	Remote Mounting Kit – IP65 22.5mm Ø hole mounting (2)
SEVW3A1104R30	Remote Display Cable – 3M (Avail in 1m ,3m, 5m &10m) (3)
SETCSXCNAMUM3P	PC to Graphic Display Cable
SEVW3A3203	Logic and Analogue IO Card (6x Logic Input, 2x Logic Output, 2x AI)
SE VW3A3204	Relay Output Card (3x Relay Output)

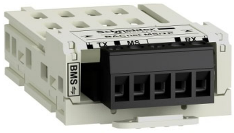


Components for panel mounting of graphic terminal

Part Number	
SEVW3A3720	Ethernet Modbus TCP and EtherNet/IP (ATV600 Only)
SEVW3A3721	Ethernet Modbus TCP and EtherNet/IP with Multi-Drive Link (ATV600 Only)
SEVW3A3725	BACnet MSTP (ATV600 Only)
SEVW3A3609	DeviceNet
SEVW3A3601	EtherCAT (ATV900 Only)
SEVW3A3607	PROFIBUS DP V1
SEVW3A3627	Profinet
SEVW3A3608	CANopen RJ45 daisy-chain
SEVW3CANCARR03	CANopen Cable (0.3m)
SETCSCAR013M120	CANopen Terminators
SE490NTW00002	Ethernet ConneXium cable Cat 5 STP (2m)

SEVW3A3203

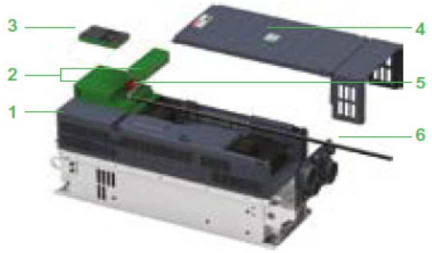
SEVW3A3720



Part Number	
SEVW3A3420	Digital Encoder Card (RS422, RS485 A/B/I, SSI)
SEVW3A3422	Analogue Encoder Card (SinCos 1 Vpp, SinCos Hiperface)
SEVW3A3423	Resolver Interface Card
SEVW3A3424	HTL Encoder Card
SEVW3M4701	Encoder Cable (Prefabricated cable with 1x SUB-D15 connector, 1x free end, 1m length)
SEVW3A3802	Safety Module Advanced (Safety module with safety functions SS1, SLS, SMS, and SBC. 24Vdc supply, 1x 24 way male connector)
SEVW3A3809	CIP Safety STO SIL3/Ple over Ethernet/IP
SEVW3A3800	Additional Module Support (Provides an option slot for the safety expansion module)
SEVW3M8810	Safety Module Distribution Unit (Connection base for up to 5 safety modules via 24 way connectors.)
SEVW3M8802R30	Connection cable 2x 24 way female connectors (For connection between safety module(s) and a safety distribution unit)

SEVW3A3420

SEVW3A3802



1 ATV930 drive
2 Additional module support SEVW3A3800
3 Graphic terminal
4 Front cover
5 Safety module
6 Connection cable SEVW3M8801R30

LC1D09 - LC1D65 - 3 Pole Contactors - AC/DC Coils (24-48V)

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	440V kW	440V AC3 AMPS
SELC1D09BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 9A,	4kW	9Amps
SELC1D12BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 12A,	5.5kW	12Amps
SELC1D18BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 18A,	9kW	18Amps
SELC1D25BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 25A,	11kW	25Amps
SELC1D32BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 32A,	15kW	32Amps
SELC1D38BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 38A,	18.5kW	38Amps
SELC1D40ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 40A,	22kW	40Amps
SELC1D50ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 50A,	30kW	50Amps
SELC1D65ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 65A,	37kW	65Amps

LC1D09 - LC1D150 - 3 Pole Contactors - AC Coils (240VAC)

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	440V kW	440V AC3 AMPS
SELC1D09U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 9A,	4kW	9Amps
SELC1D12U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 12A,	5.5kW	12Amps
SELC1D18U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 18A,	9kW	18Amps
SELC1D25U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 25A,	11kW	25Amps
SELC1D32U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 32A,	15kW	32Amps
SELC1D38U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 38A,	18.5kW	38Amps
SELC1D40AU7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 40A,	22kW	40Amps
SELC1D50AU7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 50A,	30kW	50Amps
SELC1D65AU7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 65A,	37kW	65Amps
SELC1D80U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 80A,	45kW	80Amps
SELC1D95U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 95A,	45kW	95Amps
SELC1D115U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 115A,	59kW	115Amps
SELC1D150U7	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 150A,	80kW	150Amps

LC1G115 - LC1G800 - 3 Pole Contactors - AC/DC Coils (100-250V)

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	440V kW	440V AC3 AMPS
SELC1G115KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 115A,	55kW	115Amps
SELC1G150KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 150A,	75kW	150Amps
SELC1G185KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 185A,	90kW	185Amps
SELC1G225KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 225A,	110kW	225Amps
SELC1G265KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 265A,	132kW	265Amps
SELC1G330KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 330A,	160kW	330Amps
SELC1G400KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 440A,	200kW	440Amps
SELC1G500KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 500A,	250kW	500Amps
SELC1G630KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 630A,	375kW	630Amps
SELC1G800KUEN	TeSys Giga, 3 pole (3NO),Standard version, , AC-3/AC-3e, 800A,	450kW	800Amps

LC1D09 - LC1D65 - 3 Pole Contactors - AC/DC Coils (24-48V)

Comes with Auxiliary contact composition (1 NO + 1 NC)

Safety Contactor (2 NO + 2 NC)

Part Number	Description	Safety Auxiliary Contact	440V kW	440V AC3 AMPS
SELC1D09BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 9A,	SELADN22S	4kW	9Amps
SELC1D12BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 12A,	SELADN22S	5.5kW	12Amps
SELC1D18BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 18A,	SELADN22S	9kW	18Amps
SELC1D25BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 25A,	SELADN22S	11kW	25Amps
SELC1D32BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 32A,	SELADN22S	15kW	32Amps
SELC1D38BNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 38A,	SELADN22S	18.5kW	38Amps
SELC1D40ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 40A,	SELADN22S	22kW	40Amps
SELC1D50ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 50A,	SELADN22S	30kW	50Amps
SELC1D65ABNE	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 65A,	SELADN22S	37kW	65Amps

LC1D09 - LC1D65 Contactor Accessories

Part Number	Description
SELADN10	TeSys Deca, Auxiliary contact block, 1NO, front mounting, screw clamp terminals
SELADN01	TeSys Deca, Auxiliary contact block, 1NC, front mounting, screw clamp terminals
SELADN11	TeSys Deca, Auxiliary contact block, 1NO + 1NC, front mounting, screw clamp terminals
SELADN22	TeSys Deca, Auxiliary contact block, 2NO + 2NC, front mounting, screw clamp terminals
SELADN22S	Auxiliary Safety contact block, TeSys Deca, 2NO+2NC, front mounting, screw clamp terminals, red front face
SELAD8N11	Auxiliary contact block, TeSys Deca, 1NO + 1NC, side mounting, screw clamp terminals
SELAD7X3	Retrofit plate for screw fixing, Tesys Deca

Sets of contacts and arc chambers

Part Number	Description
SEGV1G09	TeSys Deca & TeSys U, 3P,from the top,for supply to one or more GV2G busbar sets, Terminal block
SEGV2G245	TeSys Deca & TeSys U,3P, Comb busbar, 63 A, 2 tap-offs, 45 mm pitch, LC1D09...D18 or D25...D38
SEGV2G445	TeSys Deca & TeSys U,3P, Comb busbar, 63 A, 4 tap-offs, 45 mm pitch, LC1D09...D18 or D25...D38
SEGV3G264	TeSys Deca & TeSys U,3P, Comb busbar, 115 A, 2 tap-offs, 45 mm pitch,LC1D40A...D80A
SEGV3G364	TeSys Deca & TeSys U,3P, Comb busbar, 115 A, 3 tap-offs, 45 mm pitch, LC1D40A...D80A

Mechanical interlocks

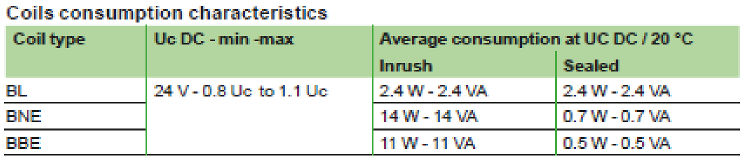
Part Number	Description
SELAD9V2	TeSys Deca, Mechanical interlock, TeSys Deca contactors LC1D09-D38
SELAD4CM	TeSys Deca, Mechanical interlock, TeSys Deca contactors LC1D40A-D80A
SELA9D50978	TeSys Deca, Mechanical interlock, TeSys Deca contactors LC1D80-D95 AC coil
SELA9D80978	TeSys Deca, Mechanical interlock, TeSys Deca contactors LC1D80-D95 DC coil

SESELAD91218	Kit for star delta starter assembling, for 3 x contactors LC1D09-D38 star identical, without timer block

LC1D09 - LC1D65 - 3 Pole Contactors - Low Consumption DC Coils (24V)

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	440V kW	440V AC3 AMPS
SELC1D09BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 9A,	4kW	9Amps
SELC1D12BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 12A,	5.5kW	12Amps
SELC1D18BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 18A,	9kW	18Amps
SELC1D25BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 25A,	11kW	25Amps
SELC1D32BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 32A,	15kW	32Amps
SELC1D38BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 38A,	18.5kW	38Amps
SELC1D40ABL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 40A,	22kW	40Amps
SELC1D50ABL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 50A,	30kW	50Amps
SELC1D65ABL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 65A,	37kW	65Amps
SELC1D80BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 80A,	45kW	80Amps
SELC1D95BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 95A,	45kW	95Amps
SELC1D115BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 115A,	59kW	115Amps
SELC1D150BL	TeSys Deca, Contactor, 3P(3 NO), , AC-3/AC-3e, 150A,	80kW	150Amps



Coils consumption characteristics

Coil type	Uc DC - min -max	Average consumption at UC DC / 20 °C	
		Inrush	Sealed
BL	24 V - 0.8 Uc to 1.1 Uc	2.4 W - 2.4 VA	2.4 W - 2.4 VA
BNE		14 W - 14 VA	0.7 W - 0.7 VA
BBE		11 W - 11 VA	0.5 W - 0.5 VA

K Contactors - 3 Pole Contactors - AC Coils (24VAC)

Part Number	Description	440V kW	440V AC3 AMPS
SELC1K0610B7	TeSys K, 3P, AC-3/AC-3e, 440V, 6A, 1NO aux, 24V AC coil,screw clamps	3kW	6Amps
SELC1K0601B7	TeSys K, 3P, AC-3/AC-3e, 440V, 6A, 1NC aux, 24V AC coil,screw clamps	3kW	6Amps
SELC1K0910B7	TeSys K, 3P, AC-3/AC-3e, 440V, 9A, 1NO aux, 24V AC coil,screw clamps	4kW	9Amps
SELC1K0901B7	TeSys K, 3P, AC-3/AC-3e, 440V, 9A, 1NC aux, 24V AC coil,screw clamps	4kW	9Amps
SELC1K1210B7	TeSys K, 3P, AC-3/AC-3e, 440V, 12A, 1NO aux, 24V AC coil,screw clamps	5.5kW	12Amps
SELC1K1201B7	TeSys K, 3P, AC-3/AC-3e, 440V, 12A, 1NC aux, 24V AC coil,screw clamps	5.5kW	12Amps
SELC1K1610B7	TeSys K, 3P, AC-3/AC-3e, 440V, 16A, 1NO aux, 24V AC coil,screw clamps	7.5kW	16Amps
SELC1K1601B7	TeSys K, 3P, AC-3/AC-3e, 440V, 16A, 1NC aux, 24V AC coil,screw clamps	7.5kW	16Amps

K Contactors - 3 Pole Contactors - DC Coils (24VDC)

Part Number	Description	440V kW	440V AC3 AMPS
SELP1K0610BD	TeSys K, 3P, AC-3/AC-3e, 440V, 6A, 1NO aux, 24V DC coil,screw clamps	3kW	6Amps
SELP1K0601BD	TeSys K, 3P, AC-3/AC-3e, 440V, 6A, 1NC aux, 24V DC coil,screw clamps	3kW	6Amps
SELP1K0910BD	TeSys K, 3P, AC-3/AC-3e, 440V, 9A, 1NO aux, 24V DC coil,screw clamps	4kW	9Amps
SELP1K0901BD	TeSys K, 3P, AC-3/AC-3e, 440V, 9A, 1NC aux, 24V DC coil,screw clamps	4kW	9Amps
SELP1K1210BD	TeSys K, 3P, AC-3/AC-3e, 440V, 12A, 1NO aux, 24V DC coil,screw clamps	5.5kW	12Amps
SELP1K1201BD	TeSys K, 3P, AC-3/AC-3e, 440V, 12A, 1NC aux, 24V DC coil,screw clamps	5.5kW	12Amps
SELP1K1610BD	TeSys K, 3P, AC-3/AC-3e, 440V, 16A, 1NO aux, 24V DC coil,screw clamps	7.5kW	16Amps
SELP1K1601BD	TeSys K, 3P, AC-3/AC-3e, 440V, 16A, 1NC aux, 24V DC coil,screw clamps	7.5kW	16Amps

** Please ask for 4 pole Contactors

Deca - Frame 2 Motor circuit breakers - Thermal-magnetic

Motor circuit breakers from 0.06 to 30 kW / 415 V, Rotary handle

Part Number	Description	Setting Range of thermal trips (A)	415V kW
SEGV2P01	TeSys Deca, 3P, 0.1 to 0.16A, thermal magnetic, screw clamp terminals	0.1...0.16A	-
SEGV2P02	TeSys Deca, 3P, 0.16 to 0.25A, thermal magnetic, screw clamp terminals	0.16...0.25A	0.06kW
SEGV2P03	TeSys Deca, 3P, 0.25 to 0.4A, thermal magnetic, screw clamp terminals	0.25...0.40A	0.09kW
SEGV2P04	TeSys Deca, 3P, 0.4 to 0.63A, thermal magnetic, screw clamp terminals	0.40...0.63A	0.18kW
SEGV2P05	TeSys Deca, 3P, 0.63 to 1A, thermal magnetic, screw clamp terminals	0.63...1A	0.25kW
SEGV2P06	TeSys Deca, 3P, 1 to 1.6A, thermal magnetic, screw clamp terminals	1...1.6A	0.55kW
SEGV2P07	TeSys Deca, 3P, 1.6 to 2.5A, thermal magnetic, screw clamp terminals	1.6...2.5A	0.75kW
SEGV2P08	TeSys Deca, 3P, 2.5 to 4A, thermal magnetic, screw clamp terminals	2.5...4A	1.5kW
SEGV2P10	TeSys Deca, 3P, 4 to 6.3A, thermal magnetic, screw clamp terminals	4...6.3A	2.2kW
SEGV2P14	TeSys Deca, 3P, 6 to 10A, thermal magnetic, screw clamp terminals	6...10A	4kW
SEGV2P16	TeSys Deca, 3P, 9 to 14A, thermal magnetic, screw clamp terminals	9...14A	5.5kW
SEGV2P20	TeSys Deca, 3P, 13 to 18A, thermal magnetic, screw clamp terminals	13...18A	7.5kW
SEGV2P21	TeSys Deca, 3P, 17 to 23A, thermal magnetic, screw clamp terminals	17...23A	9kW
SEGV2P22	TeSys Deca, 3P, 20 to 25A, thermal magnetic, screw clamp terminals	20...25A	11kW
SEGV2P32	TeSys Deca, 3P, 24 to 32A, thermal magnetic, screw clamp terminals	24...32A	15kW

Deca - Frame 2 Motor circuit breakers - Add-on blocks and accessories

Contact blocks

Part Number	Description	Mounting	Types of Contacts
SEGVAE1	Auxiliary contact block,TeSys Deca, 1NO/NC,front mounting, for GV2P/GV2ME/GV3P	Front	N/O or N/C
SEGVAE11	Auxiliary contact block,TeSys Deca, 1NO + 1NC,front mounting, for GV2P/GV2ME/GV3P	Front	N/O + N/C
SEGVAE20	Auxiliary contact block,TeSys Deca, 2NC,front mounting, for GV2P/GV2ME/GV3P	Front	N/O + N/O
SEGVAN11	Auxiliary contact block,TeSys Deca, 1NO+1NC,left side mounting, for GV2P/GV2ME/GV3P	Side (LH)	N/O + N/C
SEGVAN20	Auxiliary contact block,TeSys Deca, 2NO,left side mounting, for GV2P/GV2ME/GV3P	Side (LH)	N/O + N/O
SEGVAD1010	Auxiliary contact block,Fault signalling contact + instantaneous, TeSys Deca, 2NO, for GV2P/GV2ME/GV3P	Side (LH)	N/O + N/O
SEGVAD1001	Auxiliary contact block,Fault signalling contact + instantaneous, TeSys Deca, 1 NO + 1 NC, for GV2P/GV2ME/GV3P	Side (LH)	N/O + N/C
SEGVAD0101	Auxiliary contact block,Fault signalling contact + instantaneous, TeSys Deca, 2 NC, for GV2P/GV2ME/GV3P	Side (LH)	N/C + N/C
SEGVAM11	Short-circuit signalling contact, for GV2P/GV2ME/GV3P	Side (LH)	
SEGVAED101	Auxiliary contact block,TeSys Deca,1NO(fault)+1NO,front mounting,for GV2/GV3P	Front	N/O + N/O
SEGVAED011	Auxiliary contact block,TeSys Deca,1NO(fault)+1NC,front mounting,for GV2/GV3P	Front	N/O + N/C

Deca - Frame 2 Motor circuit breakers - Add-on blocks and accessories

Undervoltage or shunt trips

Part Number	Description
SEGVAU025	TeSys Deca, Undervoltage release (MN),TeSys Deca, 24V AC 50Hz, for GV2P/GV3P
SEGVAS025	TeSys Deca, Shunt release (MX),TeSys Deca, 24V AC 50Hz, for GV2P/GV3P
SEGVAU125	TeSys Deca, Undervoltage release (MN),TeSys Deca, 120 to 127V AC 50Hz, for GV2P/GV3P
SEGVAS125	TeSys Deca, Shunt release (MX),TeSys Deca, 120 to 127V AC 50Hz, for GV2P/GV3P
SEGVAU225	TeSys Deca, Undervoltage release (MN),TeSys Deca, 220 to 240V AC 50Hz, for GV2P/GV3P
SEGVAS225	TeSys Deca, Shunt release (MX),TeSys Deca, 220 to 240V AC 50Hz, for GV2P/GV3P
SEGVAU415	TeSys Deca, Undervoltage release (MN),TeSys Deca, 415 to 440V AC 50Hz, for GV2P/GV3P
SEGVAS415	TeSys Deca, Shunt release (MX),TeSys Deca, 400 to 440V AC 50Hz, for GV2P/GV3P

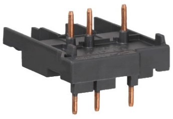
Deca - Frame 2 Motor circuit breakers - Add-on blocks and accessories

Undervoltage or shunt trips

Part Number	Description
SEGVAX115	TeSys Deca, Undervoltage release (MN),TeSys Deca, 110 to 115V AC 50Hz,for GV2ME
SEGVAX225	TeSys Deca, Undervoltage release (MN),TeSys Deca, 220 to 240V AC 50Hz,for GV2ME
SEGVAX415	TeSys Deca, Undervoltage release (MN),TeSys Deca, 400 to 415V AC 50Hz,for GV2ME

Accessories for circuit breakers with Screw clamp connections

Part Number	Description
SEGV2G254	Comb busbar, 63 A, 2 tap-offs, 54 mm pitch
SEGV2G345	Comb busbar, 63 A, 3 tap-offs, 45 mm pitch
SEGV2G354	Comb busbar, 63 A, 3 tap-offs, 54 mm pitch
SEGV2G445	Comb busbar, 63 A, 4 tap-offs, 45 mm pitch
SEGV2G454	Comb busbar, 63 A, 4 tap-offs, 54 mm pitch
SEGV2G554	Comb busbar, 63 A, 5 tap-offs, 54 mm pitch
SEGV1G09	Terminal block,TeSys Deca & TeSys U,3P,from the top,for supply to one or more GV2G busbar sets
SEGV2AF01	Connection blocks - with contactor LC1K and LP1K (Mini Contactor)
SEGV2AF3	Connection blocks,TeSys Deca,with contactor LC1D09...D38



Deca - Frame 2 and 3 Motor circuit breakers, Handle with Extended Shaft

Part Number	Description
SEGV2APN01	TeSys KIT IP54 BLACKHANDLE-SHAFT FRONT, for GV2P
SEGV2APN02	TeSys KIT IP54 REDHANDLE-SHAFT FRONT, for GV2P
SEGV3APN01	TeSys KIT IP54 BLACKHANDLE-SHAFT FRONT, for GV3P
SEGV3APN02	TeSys KIT IP54 REDHANDLE-SHAFT FRONT, for GV3P

Deca - Frame 3 Motor circuit breakers - Thermal-magnetic

Motor circuit breakers up to 45 kW / 415 V

Part Number	Description	Setting Range of thermal trips (A)	415V kW
SEGV3P13	TeSys Deca frame 3,3P,9 to 13A,thermal magnetic, rotary handle	9…13A	5.5kW
SEGV3P18	TeSys Deca frame 3,3P,12 to 18A,thermal magnetic, rotary handle	12…18A	7.5kW
SEGV3P25	TeSys Deca frame 3,3P, 17 to 25A,thermal magnetic, rotary handle	17…25A	11kW
SEGV3P32	TeSys Deca frame 3,3P,23 to 32A,thermal magnetic, rotary handle	23…32A	15kW
SEGV3P40	TeSys Deca frame 3,3P,30 to 40A,thermal magnetic, rotary handle	30…40A	18.5kW
SEGV3P50	TeSys Deca frame 3,3P,37 to 50A,thermal magnetic, rotary handle	37…50A	22kW
SEGV3P65	TeSys Deca frame 3,3P,48 to 65A,thermal magnetic, rotary handle	48…65A	30kW
SEGV3P73	TeSys Deca frame 3,3P,62 to 73A,thermal magnetic, rotary handle	62…73A	37kW
SEGV3P80	TeSys Deca frame 3,3P,70 to 80A,thermal magnetic, rotary handle	70…80A	45kW

3-pole differential thermal overload relays for Deca contactors - Class 10A

for use with fuses or magnetic circuit breakers ref. GV2L and GV3L

compensated relays with manual or automatic reset with relay trip indicator

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	For use with Contactor LC1	440V AC3 AMPS
SELRD01	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	0.10...0.16
SELRD02	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	0.16...0.25
SELRD03	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	0.25...0.40
SELRD04	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	0.40...0.63
SELRD05	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	0.63...1
SELRD06	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	1...1.6
SELRD07	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	1.6...2.5
SELRD08	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	2.5...4
SELRD10	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	4...6
SELRD12	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	5.5...8
SELRD14	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D09...D38	7...10
SELRD16	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D12...D38	9...13
SELRD21	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D18...D38	12...18
SELRD22	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D25...D38	16...24
SELRD32	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D25...D38	23...32
SELRD35	Thermal overload relay, TeSys LR.D, TeSys Deca, class 10A	D32 and D38	30...38

3-pole differential thermal overload relays for Deca contactors - Class 10A

for use with fuses or magnetic circuit breakers ref. GV2L and GV3L

compensated relays with manual or automatic reset b with relay trip indicator

Comes with Auxiliary contact composition (1 NO + 1 NC)

Part Number	Description	440V kW	440V AC3 AMPS
SELRD05L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	0.63...1
SELRD06L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	1...1.6
SELRD07L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	1.6...2.5
SELRD08L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	2.5...4
SELRD10L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	4...6
SELRD12L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	5.5...8
SELRD14L	Thermal overload relay, TeSys Deca ,class 20A	D09...D38	7...10
SELRD16L	Thermal overload relay, TeSys Deca ,class 20A	D12...D38	9...13
SELRD21L	Thermal overload relay, TeSys Deca ,class 20A	D18...D38	12...18
SELRD22L	Thermal overload relay, TeSys Deca ,class 20A	D25...D38	17...24
SELRD32L	Thermal overload relay, TeSys Deca ,class 20A	D25...D38	23...32

Part Number	Description
SELAD7B106	TeSys LR97D, TeSys Deca,for separate mounting of LRD01...D35
SELAD7B205	TeSys LR9, TeSys Deca, for separate mounting of LRD01...D35
SELAD703B	Thermal Overload Relays, TeSys LR9, remote electrical stop, 24 V DC/AC
SELA7D03B	Thermal Overload Relays, TeSys LR9, remote electrical tripping, 24 V DC/AC

Emergency switch-disconnector with door mounting rotary switch

3-pole rotary switch-disconnectors, 12 to 175 A

Part Numb	Description	690V Amps	415V AC-3 kW	Mounting Kit	Shaft size (mm) 300-330	Shaft size (mm) 400-430
SEVCF02	TeSys Vario - emergency stop switch disconnector - 12 A - on door	12A	4kW	KZ32	VZ17	VZ30
SEVCF01	TeSys Vario - emergency stop switch disconnector - 20 A - on door	20A	5.5kW	KZ32	VZ17	VZ30
SEVCF0	TeSys Vario - emergency stop switch disconnector - 25 A - on door	25A	7.5kW	KZ32	VZ17	VZ30
SEVCF1	TeSys Vario - emergency stop switch disconnector - 32 A - on door	32A	11kW	KZ32	VZ17	VZ30
SEVCF2	TeSys Vario - emergency stop switch disconnector - 40 A - on door	40A	15kW	KZ32	VZ17	VZ30
SEVCF3	TeSys Vario - emergency stop switch disconnector - 63 A - on door	63A	22kW	KZ81	VZ18	VZ31
SEVCF4	TeSys Vario - emergency stop switch disconnector - 80 A - on door	80A	30kW	KZ81	VZ18	VZ31
SEVCF5	TeSys Vario - emergency stop switch disconnector - 125 A - on door	125A	37kW	KZ74	VZ18	VZ31
SEVCF6	TeSys Vario - emergency stop switch disconnector - 175 A - on door	175A	45kW	KZ74	VZ18	VZ31

Switch-disconnector for door with door mounting rotary switch

3-pole rotary switch-disconnectors, 12 to 175 A

Part Numb	Description	690V Amps	400V AC23 kW	Mounting Kit	Shaft size (mm) 300-330	Shaft size (mm) 400-430
SEVBF02	TeSys Vario - switch disconnector - 12 A - on door	12A	4kW	KZ32	VZ17	VZ30
SEVBF01	TeSys Vario - switch disconnector - 20 A - on door	20A	5.5kW	KZ32	VZ17	VZ30
SEVBF0	TeSys Vario - switch disconnector - 25 A - on door	25A	7.5kW	KZ32	VZ17	VZ30
SEVBF1	TeSys Vario - switch disconnector - 32 A - on door	32A	11kW	KZ32	VZ17	VZ30
SEVBF2	TeSys Vario - switch disconnector - 40 A - on door	40A	15kW	KZ32	VZ17	VZ30
SEVBF3	TeSys Vario - switch disconnector - 63 A - on door	63A	22kW	KZ81	VZ18	VZ31
SEVBF4	TeSys Vario - switch disconnector - 80 A - on door	80A	30kW	KZ81	VZ18	VZ31
SEVBF5	TeSys Vario - switch disconnector - 125 A - on door	125A	37kW	KZ74	VZ18	VZ31
SEVBF6	TeSys Vario - switch disconnector - 175 A - on door	175A	45kW	KZ74	VZ18	VZ31

Emergency switch-disconnector with door mounting rotary switch Spare Parts

Part Numb	Description	Amps	AC23 kW
SEVZ02	V02 Main pole, 12Amps	12A	4kW
SEVZ01	V01 Main pole, 20Amps	20A	5.5kW
SEVZ0	V0 Main pole, 25Amps	25A	7.5kW
SEVZ1	V1 Main pole, 32Amps	32A	11kW
SEVZ2	V2 Main pole, 40Amps	40A	15kW
SEVZ3	V3 Main pole, 63Amps	63A	22kW
SEVZ4	V4 Main pole, 80Amps	80A	30kW
SEVZ7	Late make N/O + early break N/C auxiliary contacts		
SEVZ20	N/O + N/O auxiliary contacts		

iC60N & iC60H miniature circuit breakers (curve C) - 1 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
SEA9F44101	SEA9F54101	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 1A, C curve	1A
SEA9F44102	SEA9F54102	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 2A, C curve	2A
SEA9F44104	SEA9F54104	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 4A, C curve	4A
SEA9F44106	SEA9F54106	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 6A, C curve	6A
SEA9F44110	SEA9F54110	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 10A, C curve	10A
SEA9F44116	SEA9F54116	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 16A, C curve	16A
SEA9F44120	SEA9F54120	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 20A, C curve	20A
SEA9F44125	SEA9F54125	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 25A, C curve	25A
SEA9F44132	SEA9F54132	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 32A, C curve	32A
SEA9F44140	SEA9F54140	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 40A, C curve	40A
SEA9F44150	SEA9F54150	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 50A, C curve	50A
SEA9F44163	SEA9F54163	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 63A, C curve	63A

iC60N & iC60H miniature circuit breakers (curve D) - 1 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
-	SEA9F55101	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 1A, D curve	1A
-	SEA9F55102	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 2A, D curve	2A
SEA9F45104	SEA9F55104	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 4A, D curve	4A
SEA9F45106	SEA9F55106	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 6A, D curve	6A
SEA9F45110	SEA9F55110	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 10A, D curve	10A
SEA9F45116	SEA9F55116	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 16A, D curve	16A
SEA9F45120	SEA9F55120	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 20A, D curve	20A
SEA9F45125	SEA9F55125	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 25A, D curve	25A
SEA9F45132	SEA9F55132	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 32A, D curve	32A
SEA9F45140	SEA9F55140	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 40A, D curve	40A
SEA9F45150	SEA9F55150	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 50A, D curve	50A
SEA9F45163	SEA9F55163	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 1P, 63A, D curve	63A

iC60N & iC60H miniature circuit breakers (curve C) - 2 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
SEA9F44201	SEA9F54201	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 1A, C curve	1A
SEA9F44202	SEA9F54202	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 2A, C curve	2A
SEA9F44204	SEA9F54204	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 4A, C curve	4A
SEA9F44206	SEA9F54206	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 6A, C curve	6A
SEA9F44210	SEA9F54210	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 10A, C curve	10A
SEA9F44216	SEA9F54216	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 16A, C curve	16A
SEA9F44220	SEA9F54220	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 20A, C curve	20A
SEA9F44225	SEA9F54225	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 25A, C curve	25A
SEA9F44232	SEA9F54232	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 32A, C curve	32A
SEA9F44240	SEA9F54240	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 40A, C curve	40A
SEA9F44250	SEA9F54250	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 50A, C curve	50A
SEA9F44263	SEA9F54263	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 63A, C curve	63A

iC60N & iC60H miniature circuit breakers (curve D) - 2 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
-	SEA9F55201	Acti9 iC60H(6kA)/iC60H(10kA) Disbo, 2P, 1A, D curve	1A
-	SEA9F55202	Acti9 iC60H(6kA)/iC60H(10kA) Disbo, 2P, 2A, D curve	2A
SEA9F45204	SEA9F55204	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 4A, D curve	4A
SEA9F45206	SEA9F55206	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 6A, D curve	6A
SEA9F45210	SEA9F55210	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 10A, D curve	10A
SEA9F45216	SEA9F55216	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 16A, D curve	16A
SEA9F45220	SEA9F55220	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 20A, D curve	20A
SEA9F45225	SEA9F55225	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 25A, D curve	25A
SEA9F45232	SEA9F55232	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 32A, D curve	32A
SEA9F45240	SEA9F55240	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 40A, D curve	40A
SEA9F45250	SEA9F55250	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 50A, D curve	50A
SEA9F45263	SEA9F55263	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 2P, 63A, D curve	63A

iC60N & iC60H miniature circuit breakers (curve C) - 3 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
SEA9F44301	SEA9F54301	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 1A, C curve	1A
SEA9F44302	SEA9F54302	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 2A, C curve	2A
SEA9F44304	SEA9F54304	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 4A, C curve	4A
SEA9F44306	SEA9F54306	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 6A, C curve	6A
SEA9F44310	SEA9F54310	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 10A, C curve	10A
SEA9F44316	SEA9F54316	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 16A, C curve	16A
SEA9F44320	SEA9F54320	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 20A, C curve	20A
SEA9F44325	SEA9F54325	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 25A, C curve	25A
SEA9F44332	SEA9F54332	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 32A, C curve	32A
SEA9F44340	SEA9F54340	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 40A, C curve	40A
SEA9F44350	SEA9F54350	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 50A, C curve	50A
SEA9F44363	SEA9F54363	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 63A, C curve	63A

iC60N & iC60H miniature circuit breakers (curve D) - 3 Pole

Part Number (6kA)	Part Number (10kA)	Description	415V AMPS
-	SEA9F55301	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 4A, D curve	1A
-	SEA9F55302	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 6A, D curve	2A
SEA9F45304	SEA9F55304	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 4A, D curve	4A
SEA9F45306	SEA9F55306	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 6A, D curve	6A
SEA9F45310	SEA9F55310	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 10A, D curve	10A
SEA9F45316	SEA9F55316	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 16A, D curve	16A
SEA9F45320	SEA9F55320	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 20A, D curve	20A
SEA9F45325	SEA9F55325	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 25A, D curve	25A
SEA9F45332	SEA9F55332	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 32A, D curve	32A
SEA9F45340	SEA9F55340	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 40A, D curve	40A
SEA9F45350	SEA9F55350	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 50A, D curve	50A
SEA9F45363	SEA9F55363	Acti9 iC60N(6kA)/iC60H(10kA) Disbo, 3P, 63A, D curve	63A

Schneider Miniature Circuit Breakers

iC60H miniature circuit breakers (curve B) - 1 Pole - 10kA

Part Number (10kA)	Description	AMPS
SEA9F53101	Acti9 iC60H Disbo, 1P, 1A, B curve, 10000A	1A
SEA9F53102	Acti9 iC60H Disbo, 1P, 2A, B curve, 10000A	2A
SEA9F53104	Acti9 iC60H Disbo, 1P, 4A, B curve, 10000A	4A
SEA9F53106	Acti9 iC60H Disbo, 1P, 6A, B curve, 10000A	6A
SEA9F53110	Acti9 iC60H Disbo, 1P, 10A, B curve, 10000A	10A
SEA9F53116	Acti9 iC60H Disbo, 1P, 16A, B curve, 10000A	16A
SEA9F53120	Acti9 iC60H Disbo, 1P, 20A, B curve, 10000A	20A
SEA9F53125	Acti9 iC60H Disbo, 1P, 25A, B curve, 10000A	25A
SEA9F53132	Acti9 iC60H Disbo, 1P, 32A, B curve, 10000A	32A
SEA9F53140	Acti9 iC60H Disbo, 1P, 40A, B curve, 10000A	40A
SEA9F53150	Acti9 iC60H Disbo, 1P, 50A, B curve, 10000A	50A
SEA9F53163	Acti9 iC60H Disbo, 1P, 63A, B curve, 10000A	63A

C60H-DC miniature circuit breakers (curve C) - 1 Pole - 6kA

Part Number	Description	AMPS
SEA9N61501	Acti9, C60H-DC, 1P, 1A, C curve, 6kA	1A
SEA9N61502	Acti9, C60H-DC, 1P, 2A, C curve, 6kA	2A
SEA9N61504	Acti9, C60H-DC, 1P, 4A, C curve, 6kA	4A
SEA9N61506	Acti9, C60H-DC, 1P, 6A, C curve, 6kA	6A
SEA9N61508	Acti9, C60H-DC, 1P, 10A, C curve, 6kA	10A
SEA9N61511	Acti9, C60H-DC, 1P, 16 A, C curve, 6kA	16 A
SEA9N61512	Acti9, C60H-DC, 1P, 20 A, C curve, 6kA	20 A
SEA9N61513	Acti9, C60H-DC, 1P, 25 A, C curve, 6kA	25 A
SEA9N61515	Acti9, C60H-DC, 1P, 32 A, C curve, 6kA	32 A
SEA9N61517	Acti9, C60H-DC, 1P, 40 A, C curve, 6kA	40 A
SEA9N61518	Acti9, C60H-DC, 1P, 50 A, C curve, 6kA	50 A
SEA9N61519	Acti9, C60H-DC, 1P, 63 A, C curve, 6kA	63 A

C60H-DC miniature circuit breakers (curve C) - 2 Pole - 10kA

Part Number	Description	AMPS
SEA9N61521	Acti9, C60H-DC, 2P, 1A, C curve, 6kA	1A
SEA9N61522	Acti9, C60H-DC, 2P, 2A, C curve, 6kA	2A
SEA9N61524	Acti9, C60H-DC, 2P, 4A, C curve, 6kA	4A
SEA9N61526	Acti9, C60H-DC, 2P, 6A, C curve, 6kA	6A
SEA9N61528	Acti9, C60H-DC, 2P, 10A, C curve, 6kA	10A
SEA9N61531	Acti9, C60H-DC, 2P, 16 A, C curve, 6kA	16 A
SEA9N61532	Acti9, C60H-DC, 2P, 20 A, C curve, 6kA	20 A
SEA9N61533	Acti9, C60H-DC, 2P, 25 A, C curve, 6kA	25 A
SEA9N61535	Acti9, C60H-DC, 2P, 32 A, C curve, 6kA	32 A
SEA9N61537	Acti9, C60H-DC, 2P, 40 A, C curve, 6kA	40 A
SEA9N61538	Acti9, C60H-DC, 2P, 50 A, C curve, 6kA	50 A
SEA9N61539	Acti9, C60H-DC, 2P, 63 A, C curve, 6kA	63 A

Schneider Miniature Circuit Breakers

Accessories - Comb busbar

Part Number	Description
SEA9XPH124	Acti9 COMB BUSBAR 1P 100A 24 MODULES (iC60, iID)
SEA9XAH157	Acti9 COMB BUSBAR AUX1P 100A 57 MODULES (iC60, iID)
SEA9XAH257	Acti9 COMB BUSBAR AUX2P 100A 57 MODULES (iC60, iID)
SEA9XAH357	Acti9 COMB BUSBAR AUX3P 100A 57 MODULES (iC60, iID)
SEA9XAH457	Acti9 COMB BUSBAR AUX4P 100A 57 MODULES (iC60, iID)

Schneider Residual Circuit Breakers

iC60N & iC60H RCBO 30mA, A type

Part Number (6kA)	Part Number (10kA)	Description	Current
SEA9D61806	SEA9D11806	Acti9 iC60N / iC60H RCBO, 1P + Ns, 6A, 30mA, A type, 6000A & 10000A	6A
SEA9D61810	SEA9D11810	Acti9 iC60N / iC60H RCBO, 1P + Ns, 10A, 30mA, A type, 6000A & 10000A	10A
SEA9D61816	SEA9D11816	Acti9 iC60N / iC60H RCBO, 1P + Ns, 16A, 30mA, A type, 6000A & 10000A	16 A
SEA9D61820	SEA9D11820	Acti9 iC60N / iC60H RCBO, 1P + Ns, 20A, 30mA, A type, 6000A & 10000A	20 A
SEA9D61825	SEA9D11825	Acti9 iC60N / iC60H RCBO, 1P + Ns, 25A, 30mA, A type, 6000A & 10000A	25 A
SEA9D61832	SEA9D11832	Acti9 iC60N / iC60H RCBO, 1P + Ns, 32A, 30mA, A type, 6000A & 10000A	32 A
SEA9D61840	SEA9D11840	Acti9 iC60N / iC60H RCBO, 1P + Ns, 40A, 30mA, A type, 6000A & 10000A	40 A
SEA9D61845	SEA9D11845	Acti9 iC60N / iC60H RCBO, 1P + Ns, 45A, 30mA, A type, 6000A & 10000A	45 A

Electrical auxiliaries for iC60, iID, iDPN Vigi

Part Number	Description	Voltage	Mounting
SEA9A26960	Acti9, Undervoltage release, iMN, Voltage release	220 to 240 VAC	
SEA9A26500	Acti9, Overvoltage release, iMSU, Voltage release	230 VAC	
SEA9A26948	Acti9, Shunt trip release with OC contact, iMX+OF, voltage release	12 to 24 VAC	
SEA9A26946	Acti9, Shunt trip release with OC contact, iMX+OF, voltage release	100 to 415 VAC	
SEA9A26919	Acti9 A9A, iSD+OF, 2 C/O, 2mA to 100mA, Auxiliary contact	24VAC to 250VAC, 24VC to 220VDC	top and bottom connection
SEA9A26909	Acti9 A9A, iOF/SD+OF, 2 C/O, 100mA to 6A, Auxiliary contact	24VAC to 415VAC, 24VDC to 130VAC	top and bottom connection
SEA9A26914	Acti9 A9A, iOF, 1 C/O, 2mA to 100mA, Auxiliary contact	24VAC to 250VAC, 24VDC to 130VDC	bottom connection
SEA9A26904	Acti9 A9A, iOF, 1 C/O, 100mA to 6A, Auxiliary contact	24VAC to 415VAC, 24-130 VDC	bottom connection
SEA9A26917	Acti9 A9A, iSD, 1 C/O, 2mA to 100mA, Auxiliary contact	24VAC to 250VAC, 24VDC to 220VDC	bottom connection
SEA9A26907	Acti9 A9A, iSD, 1 C/O, 100mA to 6A, Auxiliary contact	24VAC to 415VAC, 24VDC to 130VDC	bottom connection

Schneider Residual Circuit Breakers

iID residual current circuit breakers (A & SI types) - 30mA

Part Number	Description	Current
SEA9R51240	Acti9 iID, Residual current circuit breaker (RCCB), 2P, 40A, A type, 30mA	40A
SEA9R51263	Acti9 iID, Residual current circuit breaker (RCCB), 2P, 63A, A type, 30mA	63A
SEA9R21291	Acti9 iID, Residual current circuit breaker (RCCB), 2P, 100A, A type, 30mA	100A
SEA9R91240	Acti9 iID, Residual current circuit breaker (RCCB), 4P, 40A, A type, 30mA	40A
SEA9R91263	Acti9 iID, Residual current circuit breaker (RCCB), 4P, 63A, A type, 30mA	63A
SEA9R91440	Acti9 iID, Residual current circuit breaker (RCCB), 4P, 800A, A type, 30mA	80A
SEA9R91463	Acti9 iID, Residual current circuit breaker (RCCB), 4P, 100A, A type, 30mA	100A

iID B-SI type residual current circuit breakers (RCCB) - 30mA

Part Number	Description	Current
SEA9Z51225	Acti9 iID - Residual Current Circuit Breaker - 2P - 25A - 30mA - B type	25 A
SEA9Z51240	Acti9 iID - Residual Current Circuit Breaker - 2P - 40A - 30mA - B type	40 A
SEA9Z51440	Acti9 iID - Residual Current Circuit Breaker - 4P - 40A - 30mA - B type	40A
SEA9Z51463	Acti9 iID - Residual Current Circuit Breaker - 4P - 63A - 30mA - B type	63A
SEA9Z61440	Acti9 iID - Residual Current Circuit Breaker - 4P, 40A, B-SI type, 30mA	40A
SEA9Z61463	Acti9 iID - Residual Current Circuit Breaker - 4P, 63A, B-SI type, 30mA	63A

iDPN Vigi Residual current devices - 6000A, A type, 30mA

Part Number	Description	Current
SEA9D32606	Acti9 iDPN N Vigi, 1P+N, 6A, C curve, 6000A, A type, 30mA	6A
SEA9D32610	Acti9 iDPN N Vigi, 1P+N, 10A, C curve, 6000A, A type, 30mA	10A
SEA9D32616	Acti9 iDPN N Vigi, 1P+N, 16A, C curve, 6000A, A type, 30mA	16 A
SEA9D32620	Acti9 iDPN N Vigi, 1P+N, 20A, C curve, 6000A, A type, 30mA	20 A
SEA9D32625	Acti9 iDPN N Vigi, 1P+N, 25A, C curve, 6000A, A type, 30mA	25 A
SEA9D32632	Acti9 iDPN N Vigi, 1P+N, 32A, C curve, 6000A, A type, 30mA	32 A
SEA9D32640	Acti9 iDPN N Vigi, 1P+N, 40A, C curve, 6000A, A type, 30mA	40 A

iDPN Vigi Residual current devices - 6000A, A-SI type, 30mA

Part Number	Description	Current
SEA9D33610	Acti9 iDPN N Vigi, 1P+N, 10A, C curve, 6000A, A-SI type, 30mA	10A
SEA9D33616	Acti9 iDPN N Vigi, 1P+N, 16A, C curve, 6000A, A-SI type, 30mA	16 A
SEA9D33620	Acti9 iDPN N Vigi, 1P+N, 20A, C curve, 6000A, A-SI type, 30mA	20 A
SEA9D33625	Acti9 iDPN N Vigi, 1P+N, 25A, C curve, 6000A, A-SI type, 30mA	25 A
SEA9D33632	Acti9 iDPN N Vigi, 1P+N, 32A, C curve, 6000A, A-SI type, 30mA	32 A
SEA9D33640	Acti9 iDPN N Vigi, 1P+N, 40A, C curve, 6000A, A-SI type, 30mA	40 A

Schneider Zelio Logic Smart Relay

Compact smart relays with display

Part Number	No. of I/O	Discrete Inputs	0-10V Analog Inputs	Relay Outputs	Transistor Outputs	Clock
24Vac Power Supply						
SESR2B121B	12	8	0	4	0	Yes
SESR2B201B	20	12	0	8	0	Yes
48Vac power supply						
SESR2A201E[1]	20	12	0	8	0	No
100…240 Vac power supply						
SESR2A101FU[1]	10	6	0	4	0	No
SESR2B121FU	12	8	0	4	0	Yes
SESR2A201FU[1]	20	12	0	8	0	No
SESR2B201FU	20	12	0	8	0	Yes
12Vdc power supply						
SESR2B121JD	12	8	4	4	0	Yes
SESR2B201JD	20	12	6	8	0	Yes
24Vdc power supply						
SESR2A101BD[1]	10	6	0	4	0	No
SESR2B121BD[2]	12	8	4	4	0	Yes
SESR2B122BD[2]				0	4	Yes
SESR2A201BD[1]	20	12	2	8	0	No
SESR2B201BD[2]	20	12	6	8	0	Yes
SESR2B202BD[2]	20	12	6	0	8	Yes

Compact smart relays without display

Part Number	No. of I/O	Discrete Inputs	0-10V Analog Inputs	Relay Outputs	Transistor Outputs	Clock
24Vac Power Supply						
SESR2E121B	12	8	0	4	0	Yes
SESR2E201B	20	12	0	8	0	Yes
100…240 Vac power supply						
SR2D101FU[1]	10	6	0	4	0	No
SR2E121FU	12	8	0	4	0	Yes
SR2D201FU[1]	20	12	0	8	0	No
SR2E201FU	20	12	0	8	0	Yes
24Vdc power supply						
SR2D101BD[1]	10	6	0	4	0	No
SR2E121B[2]	12	8	4	4	0	Yes
SR2D201BD[1]	20	12	2	8	0	No
SR2E201BD[2]	20	12	6	8	0	Yes

(1) Programming in ladder language only

(2) The 0-10 V analog inputs on SR2B***BD compact smart relays can be connected to NTC (negative temperature coefficient) temperature probes.

"Zelio Soft 2" software

Part Number	Description
Free download	Programming software "Zelio Soft 2", multilingual

https://www.se.com/ww/en/product-range/531-zelio-logic-sr2-sr3/?parent-subcategory-id=3910&filter=business-1-industrial-automation-and-control#software-and-firmware

Zelio Soft 2

Schneider Zelio Accessories

HMI

Part Number	Description
SEHMISTO705	4.3” color screen Programmed using EcoStruxure Operator Terminal Expert Requires SR2CBL09 cable, see below Important: Not compatible with ladder language only modules.

Connection accessories

Part Number	Description	
SESR2CBL01	Connecting cables Length : 3m (9.84ft)	Between the PC (9-way SUB-D connector) and the Zelio Logic smart relay (programming port connector)
SESR2USB01	For use with Zelio Soft 2	Between the PC (USB connector) and the Zelio Logic smart relay (programming port connector)
SESR2CBL09	Connecting Cables Length 2.5m (8.2ft)	Between the Harmony Small Panel HMISTO705 (9-way removable screw terminal block) and the Zelio Logic smart relays (programming port connector)
SESR2BTC01	Bluetooth interface for Zelio Logic smart relays	Between the PC (wireless link) and the Zelio Logic smart relay. Range of 10 m (32.8 ft) (class 2)

Memory Cartridges

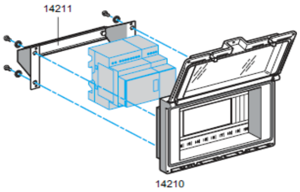
Part Number	Description	
SESR2MEM01	EEPROM memory Cartridges	For firmware (software embedded in the smart relay) version y 2.4
SESR2MEM02		For firmware (software embedded in the smart relay) version u 3.0

NTC Probes for wall mounting

Part Number	Description	
SETM1STNTCW69755	Temperture sensors for wall Mounting	For external air temperature: -50...100 °C IP65
SETM1STNTCWN75750		For internal (ambient) air temperature: -25...40 °C IP30

Mounting Accessories

Part Number	Description	
SE14210	**Dust- and damp-proof enclosure** with split blanking plate arrangement, equipped with an IP55 dust- and damp-proof window with hinged flap for mounting through a door	or 2 SR2 smart relays with 10 or 12 I/O - or 1 SR2 smart relay with 20 I/O - or 1 SR3 smart relay with 10 I/O + 1 I/O extension module with 6, 10 or 14 I/O - 1 SR3 smart relay with 26 I/O + 1 I/O extension module with 6 I/O
SE14211	Mounting bracket and symmetrical mounting rail	For mounting enclosure 14210 through a door panel



3-phase supply control relays

Part Number	Operating Principle	Contacts	Rated Supply Voltage
SERM17TG00	* Correct sequencing of phases L1, L2, and L3	1 CO 5 A	208...480V AC
SERM17TG20	* Fault signaling by LEDs	2 CO 5 A	208...480V AC
	* Total loss of two or more of the phases		

Multifunction 3-phase control relays

Part Number	Operating Principle	Contacts	Rated Supply Voltage
SERMNF22TB30	* Pairing Indication LED * Phase Loss (PL) fault indication LED (Red continuous) or Phase Sequence (PS) fault indication LED (Red blinking) * Undervoltage (UV) fault indication LED (Red continuous) or Overvoltage (OV) fault indication LED (Red blinking) * Asymmetry (Asym) fault indication LED (Red continuous) * Under-frequency (UF) fault indication LED (Red continuous) or Over-frequency (OF) fault indication LED (Red blinking) * Output 2 indication LED (Amber) * Output 1 indication LED (Amber) * Power Supply indication LED (Green) * NFC antenna location	2 CO 8 A	208...480V AC
SERM22TR31	* Product being powered by L1 and L3 * Correct sequencing of phases L1, L2, and L3	2 CO 8 A	208...480V AC
RM22TR33	* LED indication for relay output status and fault detection (except phase disconnection) * Phase loss, including in the case of voltage regeneration * Undervoltage from 2...20% of the supply voltage Un * Overvoltage from 2...20% of the supply voltage Un	2 CO 8 A	380...480V AC
SERM17TA00	* Correct sequence of the three phases * Phase loss of at least one of the three phases (U measured < 150 V) * Asymmetry adjustable from 5...15% of Un	1 CO 5 A	208...480V AC
SERM17TU00	* Correct sequence of the three phases * Phase loss of at least one of the three phases (U measured < 150 V) * Undervoltage adjustable from - 2...- 20% of Un (- 2... - 12% in the range 3 x 208 V a and - 2%...- 17% in the range 3 x 220 V a due to the minimum voltage 183 V a)	1 CO 5 A	208...480V AC
SERM17TE00	* Correct sequence of the three phases * Phase loss of at least one of the three phases (U measured < 150 V) * Asymmetry adjustable from 5...15% of Un * The overvoltage and undervoltage difference in window mode, adjustable from 2...20% of Un	1 CO 5 A	208...480V AC

Schneider Harmony Relays

Liquid Level Control Relays

Part Number	Operating Principle	Contacts	Rated Supply Voltage
SERM22LG11MR	* Level 1/Level 2	1 CO 8 A	24...240V AC
	LS (Low Sensitivity: 250 W...5 kW)		
SERM22LA32MR	St (Standard Sensitivity: 5 kW...100 kW)	2 CO 8 A	24...240V AC
	HS (High Sensitivity: 50 kW...1 MW)		
	* Fill operation		
	LS (Low Sensitivity: 250 W...5 kW)		
	St (Standard Sensitivity: 5 kW...100 kW)		
	HS (High Sensitivity: 50 kW...1 MW)		
	* Empty operation		
	LS (Low Sensitivity: 250 W...5 kW)		
	St (Standard Sensitivity: 5 kW...100 kW)		
	HS (High Sensitivity: 50 kW...1 MW)		
SELA9RM201	*Probe for liquid level control, Harmony Control Relays, maximum operating temperature 100 degree C		
SERM79696043	*Probe for liquid level control, Harmony Control Relays, maximum operating temperature 200 degree C		

Time Relays

Part Number	Operating Principle	Contacts	Rated Supply Voltage
SEA9E16065	Acti9, IRTA relay, delays energizing of a load	1 C/O 8A	4-240 VAC/24VDC
SEA9E16066	Acti9, IRTB relay-delays de-energizing a load upon	1 C/O 8A	4-240 VAC/24VDC
SEA9E16067	Acti9, IRTC relay- delays de-energizing a load upon opening	1 C/O 8A	4-240 VAC/24VDC
SEA9E16070	Acti9, IRTMF multifunction time delay relay	1 C/O 8A	12-240 VAC/DC
SERE22R2QGMR	Harmony Timer Relays, single function relay, 0.05s¦300h, Star Delta	2 C/O 8A	4-240 VAC/24VDC

Safety Relays

Part Number	Safety Module Application	Safety Outputs	Safety Inputs	Rated Supply Voltage
SEXPSBAC14AP	* Emergency stop	4 NO + 1 NC		24V AC/DC
	* Guard switch			
SEXPSBAT12A1AP	* Emergency stop	2 NO immediate	2 positive safety	24V AC/DC
	* Guard switch	1 NO	input 24 V DC	
	* Magnetic switch	configurable	5 mA	
	* RFID safety switch			
	* Safety light curtain			
SEXPSUAB11CP	* Emergency stop	1 C/O	1 Safety input	24V AC/DC
	* Antivalent contact		24 V DC	
	* Guard Switch		5 mA	
	* Magnetic switch			
	* Proximity safety switch			
	* PNP sensor			
	* RFID safety switch			
	* Safety light curtain			
	* Two-hand control station			

Schneider Harmony Relays

Part Number	Safety Module Application	Safety Outputs	Safety Inputs	Rated Supply Voltage
SEXPSUAF13AP	* Emergency stop * Guard Switch * Magnetic switch * Proximity safety switch * PNP sensor * RFID safety switch * Safety light curtain	3 C/O	2 Safety input 24 V DC 5 mA	24V AC/DC
SEXPSUAT13A3AP	* Emergency stop * Guard switch * Magnetic switch * Proximity safety switch * PNP & NPN sensor * RFID safety switch * Safety light curtain * Sensing mat/edge	1 NC configurable 3 NO configurable 3 NO immediate	2 positive Safety input 24 V DC 8 mA 1 negative Safety input	24V AC/DC
SEXPSUVN11AP	* For zero speed monitoring with delayed access to dangerous area	1 NO (configurable) 0,5....60s	3 Safety inputs	24V AC/DC

XB5 Plastic Pilot Device Range

XB5 Plastic Range Illuminated Head Pushbutton

Part Number	Description
SEZB5AA1	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, White
SEZB5AA2	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, Black
SEZB5AA3	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, Green
SEZB5AA4	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, Red
SEZB5AA5	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, Yellow
SEZB5AA6	Harmony XB5, Push button head, plastic, flush, Ø22mm, spring return, Blue

XB5 Plastic Range Non-Illuminated Head Pushbutton

SEZB5AA331	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'I', Green
SEZB5AA432	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'O', Red
SEZB5AA333	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'START', Green
SEZB5AA341	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'ON', Green
SEZB5AA434	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'STOP', Red
SEZB5AA435	Head for non illuminated push button, Harmony XB5, plastic, flush, 22mm, spring return, marked 'OFF', Red

XB5 Plastic Range Illuminated Head Pushbutton

SEZB5AW313	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, White
SEZB5AW333	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, Green
SEZB5AW343	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, Red
SEZB5AW353	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, Orange
SEZB5AW383	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, Yellow
SEZB5AW363	Head for illuminated push button, Harmony XB5,Plastic flush pushbutton Ø22 mm spring return, Blue

XB5 Plastic Range Emergency head and Legend holder

SEZB5AS844	Harmony XB5, Emergency stop head,switching off, plastic, red mushroom 40mm, 22mm, trigger and latching turn to release
SEZBY9320	Legend holder 60mm for emergency stop, plastic, Harmony XB4, yellow, for padlocking, marked EMERGENCY STOP

EMERGENCY
STOP

XB5 Plastic Range Pilot Light Head

SEZB5AV013	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, White
SEZB5AV033	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Black
SEZB5AV043	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Green
SEZB5AV053	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Red
SEZB5AV083	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Yellow
SEZB5AV063	Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Blue

XB5 Complete Plastic Range Spare Parts

SEZBVB1	Light block, Harmony XB4 XB5, white, for head 22mm, universal LED, screw clamp terminals, 24V AC DC
SEZBVM1	Light block, Harmony XB4 XB5, white, for head 22mm, universal LED, screw clamp terminals, 230 to 240 V AC DC
SEZB5AZ101	Harmony XB5, Single contact block with body fixing collar, plastic, screw clamp terminal, 1NO
SEZB5AZ102	Harmony XB5, Single contact block with body fixing collar, plastic, screw clamp terminal, 1NC

Schneider Pilot Light

XB5 Complete Plastic Range Pilot Light 24VAC/DC

SEXB5AVB1	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, White, 24V AC DC
SEXB5AVB3	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, Green, 24V AC DC
SEXB5AVB4	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, Red, 24V AC DC
SEXB5AVB5	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, Orange, 24V AC DC
SEXB5AVB6	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, Blue , 24V AC DC

XB5 Complete Plastic Range Pilot Light 230-240VAC/DC

SEXB5AVM1	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, White, 230 to 240 V AC DC
SEXB5AVM3	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Green, 230 to 240 V AC DC
SEXB5AVM4	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Red, 230 to 240 V AC DC
SEXB5AVM5	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Orange, 230 to 240 V AC DC
SEXB5AVM6	Complete Harmony XB5, Pilot Light, plastic, flush, Ø22mm, spring return, Blue , 230 to 240 V AC DC

SEXB5AD912R4K7	Complete potentiometer, Harmony XB5, plastic, Ø22mm, 4K7ohm
SEXB5AD912R10K	Complete potentiometer, Harmony XB5, plastic, Ø22mm, 10Kohm

XB5 Plastic Range Selector Switch Head

SEZB5AD2	Harmony XB5, plastic, black, 22mm, 2 positions, stay put
SEZB5AD4	Harmony XB5, plastic, black, 22mm, 2 positions, spring return from right to left
SEZB5AD3	Harmony XB5, plastic, black, 22mm, 3 positions, stay put
SEZB5AD5	Harmony XB5, plastic, black, 22mm, 3 positions, spring return to center

Spare Parts

Part Number	Description
SEZB5AZ009	Harmony XB5, Body/fixing collar for electrical block, plastic
SEZBE101	Harmony XB4, Single contact block,Harmony XB4, silver alloy, screw clamp terminal, 1NO
SEZBE102	Harmony XB4, Single contact block, silver alloy, screw clamp terminal, 1NC
SEZBPA	Transparent boot, Harmony XB4 and XB5, for 22mm circular flush push button

Enclosures

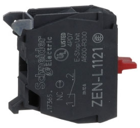
Part Number	Description
SEXALK178F	Harmony XALD, XALK, plastic, yellow lid, 1 red mushroom push button 40mm, turn to release, 2NC
SEXALK84W3BG	Harmony XALD, XALK, plastic, yellow lid, 1 illuminated emergency stop, white red fixed, turn to release, 1NO 2NC, 24V AC DC
SEXALD01	Empty enclosure, plastic, dark grey lid, for push button 22mm, 1 cut out
SEXALD02	Empty enclosure, plastic, dark grey lid, for push button 22mm, 2 cut out
SEXALD03	Empty enclosure, plastic, dark grey lid, for push button 22mm, 3 cut out
SEXALD04	Empty enclosure, plastic, dark grey lid, for push button 22mm, 4 cut out
SEXALD05	Empty enclosure, plastic, dark grey lid, for push button 22mm, 5 cut out

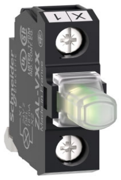
ARRET D'URGENCE

Schneider Pilot Light

Enclosure Spare Parts

Part Number	Description
SEZENL1111	Harmony XALD, XALK, silver alloy, rear mounting, screw clamp terminal, 1NO
SEZENL1121	Harmony XALD, XALK, silver alloy, rear mounting, screw clamp terminal, 1NC
SEZALVB1	XALD, XALK, for head Ø22mm, universal LED, mounting in back of enclosure, 24V AC DC
SEZALVM1	XALD, XALK, for head Ø22mm, universal LED, mounting in back of enclosure, 230...240V AC DC





XB4 Metal Range Pushbuttons

Part Number	Description
SEZB4BA1	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, White
SEZB4BA2	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, Black
SEZB4BA3	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, Green
SEZB4BA4	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, Red
SEZB4BA5	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, Yellow
SEZB4BA6	Harmony XB4, Push button head, Metal, flush, Ø22mm, spring return, Blue

XB4 Metal Range, Head non-illuminated pushbutton

SEZB4BA331	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'I', Green
SEZB4BA432	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'O', Red
SEZB4BA333	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'START', Green
SEZB4BA341	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'ON', Green
SEZB4BA434	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'STOP', Red
SEZB4BA435	Head for non illuminated push button, Harmony XB4, Metal, flush, Ø22mm, spring return, marked 'OFF', Red

XB4 Metal Range, Head illuminated pushbutton

SEZB4BW313	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, White
SEZB4BW333	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, Green
SEZB4BW343	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, Red
SEZB4BW353	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, Orange
SEZB4BW383	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, Yellow
SEZB4BW363	Head for illuminated push button, Harmony Metal XB4, flush pushbutton Ø22 mm spring return, Blue

XB4 Metal Range Emergency head and Legend holder

SEZB4BS844	Harmony XB4, Emergency stop head,switching off, Metal, red mushroom 40mm, Ø22mm, trigger and latching turn to release

SEZBY9320	Legend holder 60mm for emergency stop, plastic, Harmony XB4, yellow, for padlocking, marked EMERGENCY STOP

EMERGENCY
STOP

SEZB4BG2	Harmony XB4, Key switch selector head, metal, black, Ø22, key 455, 2 positions, stay put

XB4 Metal Range Non-Illuminated Head Pushbutton

SEZB4BV013	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, White
SEZB4BV033	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, Green
SEZB4BV043	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, Red
SEZB4BV053	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, Orange
SEZB4BV083	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, Yellow
SEZB4BV063	Harmony XB4, Pilot Light, Metal, flush, Ø22mm, spring return, Blue

Schneider Pilot Light

XB4 Metal Range Spare Parts

SEZB4BZ009	Harmony XB4, Body/fixing collar for electrical block, Metal
SEZBE101	Harmony XB4, Single contact block,Harmony XB4, silver alloy, screw clamp terminal, 1NO
SEZBE102	Harmony XB4, Single contact block, silver alloy, screw clamp terminal, 1NC
SEZBVB1	XALD, XALK, for head Ø22mm, universal LED, mounting in back of enclosure, 24V AC DC
SEZBVM1	XALD, XALK, for head Ø22mm, universal LED, mounting in back of enclosure, 230...240V AC DC
SEZB4BZ101	Harmony XB4, Single contact block with body fixing collar, Metal, screw clamp terminal, 1NO
SEZB4BZ102	Harmony XB4, Single contact block with body fixing collar, Metal, screw clamp terminal, 1NC

XB4 Metal Range Selector Switch Head

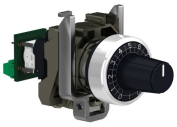
SEZB4BD2	Harmony XB4, plastic, black, 22mm, 2 positions, stay put
SEZB4BD4	Harmony XB4, plastic, black, 22mm, 2 positions, spring return from right to left
SE4BD3	Harmony XB4, plastic, black, 22mm, 3 positions, stay put
SEZB4BD5	Harmony XB4, plastic, black, 22mm, 3 positions, spring return to center

Complete pilot light and devices

Part Number	Description
SEXB4BVB1	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, White, 24V AC DC
SEXB4BVB3	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Green, 24V AC DC
SEXB4BVB4	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Red, 24V AC DC
SEXB4BVB5	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Orange, 24V AC DC
SEXB4BVB6	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Blue , 24V AC DC

SEXB4BVM1	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, White, 230 to 240 V AC DC
SEXB4BVM3	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Green, 230 to 240 V AC DC
SEXB4BVM4	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Red, 230 to 240 V AC DC
SEXB4BVM5	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Orange, 230 to 240 V AC DC
SEXB4BVM6	Complete Harmony XB4, Pilot Light, Metal, flush, Ø22mm, Blue , 230 to 240 V AC DC

SEXB4BD21	Complete Selector switch, Harmony XB4, metal, black, Ø22mm, 2 positions, stay put, 1NO
SEXB4BD41	Complete Selector switch, Harmony XB4, metal, black, Ø22mm, 2 positions, Spring return from right to left, 1NO
SEXB4BD33	Complete Selector switch, Harmony XB4, metal, black, Ø22mm, 3 positions, stay put, 1NO
SEXB4BD53	Complete Selector switch, Harmony XB4, metal, black, Ø22mm, 3 positions, Spring return to center, 1NO
SEXB4BD912R4K7	Complete potentiometer, Harmony XB4, Metal, Ø22mm, 4K7ohm
SEXB4BD912R10K	Complete potentiometer, Harmony XB4, Metal, Ø22mm, 10Kohm



Molded Case Circuit Breakers & Switch Disconnectors

Molded Case Circuit Breakers - ComPacT with thermal-magnetic trip unit TM-D

Part Number	Description	Current
SEC16F3TM100	ComPacT NSX160F, 36kA/415VAC, 3 poles, TMD trip unit 100A	100A
SEC16F3TM125	ComPacT NSX160F, 36kA/415VAC, 3 poles, TMD trip unit 125A	125A
SEC16F3TM160	ComPacT NSX160F, 36kA/415VAC, 3 poles, TMD trip unit 160A	160A
SEC25F3TM200	ComPacT NSX250F, 36kA/415VAC, 3 poles, TMD trip unit 200A	200A
SEC25F3TM250	ComPacT NSX250F, 36kA/415VAC, 3 poles, TMD trip unit 250A	250A

Molded Case Circuit Breakers - ComPacT with electronic trip unit MicroLogic 2.2

Part Number	Description	Current
SEC16B32D100	ComPacT NSX160B, 25kA/415VAC, 3 poles, MicroLogic 2.2 trip unit 100A	100A
SEC16B32D160	ComPacT NSX160B, 25kA/415VAC, 3 poles, MicroLogic 2.2 trip unit 160A	160A
SEC25B32D250	ComPacT NSX160B, 25kA/415VAC, 3 poles, MicroLogic 2.2 trip unit 250A	250A

** Please ask for 4 pole MCCB

ComPacT NSX100/160/250 - Accessories and Auxiliaries

Part Number	Description
SELV429263	Straight terminal extensions
SELV429517	1 long terminal shield for breaker
SELV429390	Shunt trip release MX, 24VDC
SELV429436	Standard motor mechanism module MT100/160, 24/30VDC
SELV431543	Standard motor mechanism module MT250, 24/30VDC
SELV429338T	ComPacT NSX100/160/250, black handle, Extended rotary handle, IP55
SE29452	Auxiliary contacts OF or SD or SDE or SDV low level screw type

ComPacT NSX100/160/250 - Accessories and Auxiliaries

Part Number	Description	Current
SE28912	Compact Interpact, INS160, 3 Poles, 160A	160A

Switch Disconnector - ComPact INS40 to 160 Spare Part

Part Number	Description
SE28956	Compact INS100 to 160, insulation accessories, 3 poles, set of 2 parts, Long terminal shield
SE29450	Standard auxiliary contact, circuit breaker status OF/SD/SDE/SDV, 1 C/O
SE29452	Low level auxiliary contact, circuit breaker status OF/SD/SDE/SDV, 1 C/O
SELV431050	Compact INS/INV 250, extended rotary handle, IP55

Switch Disconnector - ComPact INS250 to 630

Part Number	Description	Current
SE31102	ComPact, Compact INS250-200, Switch disconnector, 3 Poles, 200A	200A
SE31106	ComPact, Compact INS250-200, Switch disconnector, 3 Poles, 250A	250A
SE31110	ComPact, Compact INS400-200, Switch disconnector, 3 Poles, 400A	400A
SE31112	ComPact, Compact INS500-200, Switch disconnector, 3 Poles, 500A	500A
SE31114	ComPact, Compact INS630-200, Switch disconnector, 3 Poles, 630A	630A

Switch Disconnector - ComPact INS250 to 630 Spare Parts

Part Number	Description
SELV429518	ComPacT NSX100/160/250, 1 per pack, Long terminal shield
SE29450	Standard auxiliary contact, circuit breaker status OF/SD/SDE/SDV, 1 C/O
SELV432594	ComPacT NSX400/630, 1 per pack, Long terminal shield
SE31052	Compact INS 320 to 630, extended rotary handle, IP55

**Please ask for 4 pole Switch Disconnector

ECO Timers & Bases - AT Series - Autonics

48mm x 48mm

Part Number	Type	Contacts	Supply	Pins
AUAT8N	AT8N	CONFIG. 1-INST 1-TIMED	24-240 VAC/DC	8
AUAT11DN	AT11N	MULTI FUNCTION	24-240VAC/DC	11
AUPS-08	PS08	DIN RAIL		8
AUPS-11	PS11	DIN RAIL		11
AUPG-08	PG08	REV BASE		8
AUPG-11	PG11	REV BASE		11
AUPGB48W		PANEL ADAPTOR BRACKET		

LE4S - Multifunction LED Timer - Autonics

48mm x 48mm

Part Number	Type	Contacts	Supply	Pins
AULE4S	LE4S	1 - TIMED C/O	24-240AC/DC	8
AULE4SA	LE4SA	2 - TIMED & INSTANT	24-240VACDC	8
		TWIN TIMER MULITFUNCTION		

Eco Digital Counter Timers - Autonics

6 Digit CT Series - Autonics

Part Number	Type		Supply	
AUCT6S-2P2	48x48-2-PRESET	2-NO-1-SS	240-48VDC	TERMINAL
AUCT6S-2P4	48x48-2-PRESET	2-NO-1-SS	110-240VAC	TERMINAL
AUCT6M-2P4	72x72-2-PRESET	2-NO-1-SS	110-240VAC	TERMINAL

Autonics Twin Timers

Part Number	Type		Supply
AUATS8W-41	TWIN TIMER	Din Rail or Panel Mount	240VAC 24-240VDC
AUATS8W-21	TWIN TIMER	Din Rail or Panel Mount	24V AC/DC

* 48mm SQ when used with mount Adaptor

Autonics Timers/Counters

CX6 Series

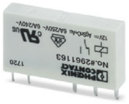
Part Number	Type		Supply	
AUCX6S-2P2	LCD DISPLAY	48X 48 2 PRESET	24VAC,24-48VDC	2-NO
AUCX6S-2P4	LCD DISPLAY	48 X 48 2 PRESET	110-240VAC	2-NO
AUCX6M-2P2	LCD DISPLAY	72 X 72 2 PRESET	25VAC,24-48VDC	2-C/O,2-SS
AUCX6M-2P4	LCD DISPLAY	72X 72 2 PRESET	110-240V AC	2-C/O,2-SS

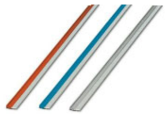
General Purpose Relays

Interface Relays - 6 AMP - PLC Series

Phoenix

Part Number	Description		Control Voltage	Amps	Poles
PH2966906	PLC-RSC- 12DC/21	Relay & Screw Base	12VDC	6	1
PH2966171	(CE) PLC-RSC- 24DC/21	Relay & Screw Base	24VDC	6	1
PH2966184	(CE) PLC-RSC- 24UC/21	Relay & Screw Base	24V AC/DC	6	1
PH2966207	(CE) PLC-RSC-230UC/21	Relay & Screw Base	240VAC	6	1
PH2900304	PLC-RPT-120UC/21	Relay & Screw Base	120VAC	6	1
PH2900364	PLC-OPT- 24DC/ 24DC/2	**Sold-State** Relay & Screw Base	24VDC	**3**	1
PH2900398	(SN/10) PLC-OPT-24DC/24DC/10/R	**Solid-State** Push in Relay Module	24VDC	**10**	1
PH2961163	REL-MR- 12DC/21AU	Spare Relay 12VDC	12VDC	6	1
PH2961105	REL-MR- 24DC/21	Spare Relay 24VDC	24VDC	6	1
PH2961118	REL-MR- 60DC/21	Spare Relay 240VAC	240VAC	6	1
PH2966595	OPT-24DC/ 24DC/ 2	Spare SS Relay 24VDC	24VDC	3	1
PH2900299	(CE) PLC-RPT- 24DC/21	Relay & PT Base	24DC	6	1
PH2900300	(CE) PLC-RPT- 24UC/21	Relay & PT Base	24V AC/DC	6	1
PH2900305	(CE) PLC-RPT-230UC/21	Relay & PT Base	240 VAC	6	1
PH2966786	FBST 500-PLC RD	RED 500mm Plug-In Bridg		32	
PH2966692	FBST 500-PLC BU	BLUE 500mm Plug-In Bridge		33	
PH2966838	FBST 500-PLC GY	GREY 500mm Plug-In Bridge		34	

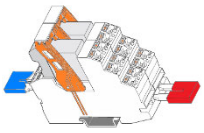




Slimline Single & Two Pole Relays 8/16 AMP

Phoenix

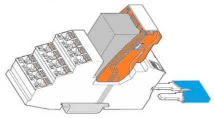
Part Number	Relay/PT Base/Clip	Description		Control Voltage	Amps	Poles
PH2987888	PH2903342	REL-MR- 24DC/21HC/MS	1 Pole Relay	24VDC	16	1
PH2987891		REL-MR- 24AC/21HC/MS	1 Pole Relay	24VAC	16	1
PH2987914	PH2903339 (CE)	REL-MR-230AC/21HC/MS	1 Pole Relay	240VAC	16	1
PH2961257		REL-MR- 12DC/21-21	2 Pole Relay	12VDC	8	2
PH2987943	PH2903334 (CE)	REL-MR- 24DC/21-21/MS	2 Pole Relay	24VDC	8	2
PH2987956	PH2903333	REL-MR- 24AC/21-21/MS	2 Pole Relay	24VAC	8	2
PH2987972	PH2903331 (CE)	REL-MR-230AC/21-21/MS	2 Pole Relay	240VAC	8	2
PH2900931		RIF-1-BPT/2X21	PT Relay Base			
PH2904468		RIF-RH-1-H	Retaining bracket			
PH2902647		RIF-T3-24UC	On Delay/Flasher/Hold 0.5s-100min Timer			
PH3036932		FBS 2-6 BU	Bridge Multiple A2 Coils on Relay Base with BLUE jumper			
PH3030284		FBS 2-8	RED Output Plug In Bridges 11/21			



General Purpose Relays

2 & 4 Pole IR Relays 5/10 AMP

Phoenix



Part Number	Relay/PT Base/Clip	Description		Voltage	Amps	Poles
PH2903660		REL-IR2/LDP- 24DC/2X21	2 Pole Relay	24VDC	12	2
PH2903666		REL-IR2/L- 24AC/2X21	2 Pole Relay	24VAC	12	2
PH2903668		REL-IR2/L-230AC/2X21	2 Pole Relay	240VAC	12	2
PH2903677	PH2903308 (CE)	REL-IR4/LDP- 24DC/4X21	4 Pole Relay	24VDC	6	4
PH2903686		REL-IR4/L- 24AC/4X21	4 Pole Relay	24VAC	6	4
PH2903688	PH2903304 (CE)	REL-IR4/L-230AC/4X21	4 Pole Relay	240VAC	6	4
PH2900934		RIF-2-BPT/4X21	PT Relay Base			
PH2900954		RIF-RH-2	Retaining Bracket			
PH2902647		RIF-T3-24UC	On Delay/Flasher/Hold 0.5s-100min Timer			
PH3036932		FBS 2-6 BU	Bridge Multiple A2 Coils on Relay Base with BLUE jumper			
PH3030284		FBS 2-8	RED Output Plug In Bridges 11/21			

Safety Monitoring Relays

Phoenix Safety Monitoring Relays

Part Number	Type	Inputs	Output	AUX	Supply	
PH2900509	22.5mm width	1 N/C - 2 N/C Estop, Gates	3 N/O	1 N/C	24VAC/ DC	Auto/Man Mon/Man
PH2981059	22.5mm width	1 N/C - 2 N/C Estop, Gates, Light Curtains	3 N/O	1 N/C	24VAC/ DC	Auto/Man Mon/Man
PH2901428	22.5mm width	1 N/C - 2 N/C Estop, Gates	3 N/O	1 N/C	240VAC	Auto/Man Mon/Man Man/Auto

Phoenix Safety Relay Expander

Expanders Cat 4

Part Number	Type	Inputs	Output	AUX	Supply
PH2981033	22.5mm width	1 -24VDC Expander with EDM	5 N/O 6 AMP	1 N/C 6AMP	24VAC/ DC
PH2963747	22.5mm width	1 -24VDC Safety Relay Positively guided	5 N/O 6 AMP	2 N/C 6AMP	24VAC/ DC

Safety Monitoring Relays

Phoenix Slimline Safety Monitoring Relay

Part Number	Type	Inputs	Output	AUX	Supply	
PH2700569	12.5mm width	2 N/C Estop, Gates Light Curtains	3 N/O	1 N/C	24VDC	Auto/Man

Phoenix Positively Guided Safety Relays

Part Number	Type	Voltage	Amps	Poles
PH2981363	Universal Safety Relay with forcibly guided contacts, two pole SP/DT Contacts	24VAC/DC	5AMP	2-C/O
PH2981444	Universal Safety relay with forcibly guided contacts, 6 Pole Safety Relay	24VAC/DC	6AMP -N/O	2-N/C

Idem

Machine Safety

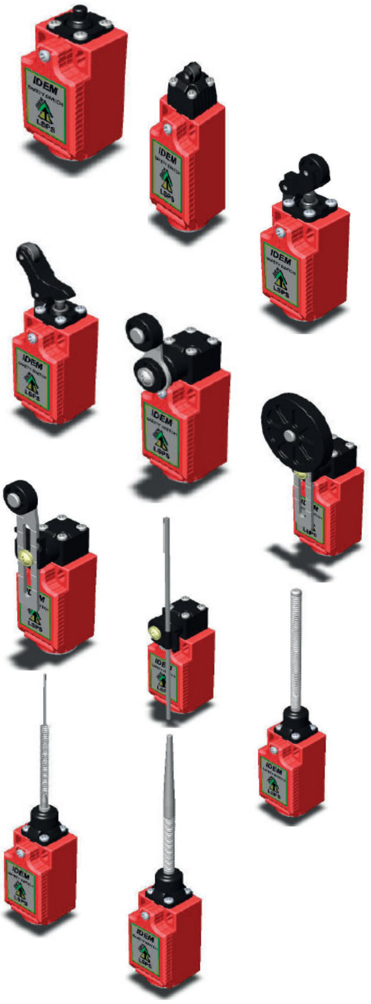
Part Number	
ID231001	ESS-SS - Standard duty Emergency Stop Switch M20 '2NC 1NO' - designed to provide robust emergency stop protection for machines or exposed conveyors and are suitable for use within virtually all industry sectors.
ID139006	SMC - Stainless Steel 316 enclosure 5M '2NC 1NO' with LED - designed for tough environments of food processing and Pharmaceutical industries LED indication Survives high pressure hosing at high temperature Wide 14mm sensing with high tolerance to misalignment Universal fitting.
ID133006	LMC - Stainless Steel Contact Switch 5M '2NC 1NO' with LED - designed for food processing applications for CIP cleaning.

Idem Limit Switches

Safety Limit Swtiches

Plastic Body (LSPS)

Part Number	Description	Contact
ID171001	LSPS PIN PLUNGER	2NC 1NO
ID171010	LSPS ROLLER PLUNGER	2NC 1NO
ID171019	LSPS HINGE LEVER	2NC 1NO
ID171028	LSPS LONG HINGE LEVER	2NC 1NO
ID171037	LSPS ROLLER LEVER	2NC 1NO
ID171046	LSPS LARGE ROLLER LEVER	2NC 1NO
ID171055	LSPS ADJUSTABLE ROLLER LEVER	2NC 1NO
ID171064	LSPS LEVER ARM	2NC 1NO
ID171091	LSPS SPRING LEVER	2NC 1NO
ID171073	LSPS CATS WHISKER	2NC 1NO
ID171082	LSPS PLASTIC SPRING LEVER	2NC 1NO



Idem Limit Switches

Safety Limit Swtiches

Stainless Steel 316 (HLM-SS)

Part Number	Description	Contact
ID175151	HLM-SS SPRING LEVER	2NC 1NO
ID175201PL	HLM-SS TELESCONPIC SPRING LEVER	2NC 1NO
ID175251	HLM-SS LEVER ARM	2NC 1NO
ID175301	HLM-SS ADJUSTABLE ROLLER LEVER	2NC 1NO
ID175001	HLM-SS SHORT ROLLER LEVER	2NC 2NO
ID175051	HLM-SS ROLLER PLUNGER	2NC 2 NO
ID175101	HLM-SS PIN PLUNGER	2NC 1NO

Safety Limit Swtiches

Die-cast (HLM)

Part Number	Description	Contact
ID174151	HLM SPING LEVER	2NC 1NO
ID174201	HLM TELESCOPIC SPRING LEVER	2NC 1NO
ID174251	HLM LEVER ARM	2NC 1NO
ID174301	HLM ADJUSTABLE ROLLER LEVER	2NC 1NO
ID174001	HLM SHORT ROLLER LEVER	2NC 2NO
ID174051	HLM ROLLER PLUNGER	2NC 2 NO
ID174101	HLM PIN PLUNGER	2NC 1NO

Idem Grab Wire Safety Rope Switches

- * Conforms to ISO13850 (EN418) and EN60947-5-5.
- * Wire breakage monitoring - contacts open on loss of tension.
- * Die-Cast Metal models rated to IP67, Stainless Steel Models rated to IP69K.
- * Available with or without external mushroom head emergency stop.
- * Available with or without a bi-colour LED to show status from a distance

For models with an LED, add the relevant code to the part number, i.e. ID145005AS, see below

Steady Green/Flashing Red			Steady Green/Steady Red		
A - 24Vdc	B - 110Vac	C - 230Vac	AS - 24Vdc	BS - 110Vac	CS - 230Vac

Guardian Line Mini Duty

*Compact & cost-effective rope pull switch to protect short conveyor lengths.

*Protection up to 30m using one switch & 50m using two switches.

* Available with 3 or 4 pole contacts, 2NC&1NO, 3NC, 3NC&1NO, 2NC&2NO, 4NC

Guardian Line Mini Duty Type : GLM (Die-Cast Metal)

Part Number	Description	Conduit	Contact	Fittings
ID143052	Guardian Line Mini Duty	M20	2NC 2NO	
ID143058	Guardian Line Mini Duty	M20	2NC 2NO	E-Stop
ID143064A	Guardian Line Mini Duty	M20	2NC 2NO	LED
ID143068A	Guardian Line Mini Duty	M20	2NC 2NO	E-Stop & LED

Guardian Line Mini Duty Type : GLM-SS (Stainless Steel)

Part Number	Description	Conduit	Contact	Fittings
ID148052	Guardian Line Mini Duty	M20	2NC 2NO	
ID148058	Guardian Line Mini Duty	M20	2NC 2NO	E-Stop
ID148064A	Guardian Line Mini Duty	M20	2NC 2NO	LED
ID148068A	Guardian Line Mini Duty	M20	2NC 2NO	E-Stop & LED

Guardian Line Standard Duty

* General purpose pull switch to protect medium conveyor lengths.

* Protection up to 60m using one switch & 80m using two switches (for GLS).

* Protection up to 80m using one switch & 100m using two switches (for GLS-SS).

* Available with 4 pole contacts, 3NC&1NO, 2NC&2NO, 4NC

Guardian Line Standard Duty Type : GLS (Die-Cast Metal)

Part Number	Description	Conduit	Contact	Fittings
ID142052	Guardian Line Standard Duty	3 x M20	2NC 2NO	
ID142058A	Guardian Line Standard Duty	3 x M20	2NC 2NO	LED
ID142064	Guardian Line Standard Duty	3 x M20	2NC 2NO	E-Stop
ID142076A	Guardian Line Standard Duty	3 x M20	2NC 2NO	E-Stop & LED

Guardian Line Standard Duty Type : GLS-SS (Stainless Steel)

Part Number	Description	Conduit	Contact	Fittings
ID144003	Guardian Line standard Duty	3 x M20	2NC 2NO	
ID144009A	Guardian Line standard Duty	3 x M20	2NC 2NO	LED
ID144015	Guardian Line standard Duty	3 x M20	2NC 2NO	E-Stop
ID144021A	Guardian Line standard Duty	3 x M20	2NC 2NO	E-Stop & LED

Guardian Line Heavy Duty

* Industrial grade pull switch to protect longer conveyor lengths.
* Protection up to 200m using one switch & 250m using two switches (for GLHD).
* Protection up to 100m using one switch & 125m using two switches (for GLHL&R).
* Available with 6 pole contacts, 4NC&2NO.

Guardian Line Heavy Duty Type : GLHD (Die-Cast Metal)

Part Number	Type	Conduit	Contact	Fittings
ID141001A	GLHD	4 x M20	4NC 2NO	LED & E-Stop
ID141029A	GLHD	4 x M20	4NC 2NO	LED
ID141039	GLHD	4 x M20	4NC 2NO	E-Stop
ID141041	GLHD	4 x M20	4NC 2NO	

Guardian Line Heavy Duty Type : GLHL & GLHR (Die-Cast Metal)

Part Number	Type	Conduit	Contact	Fittings
ID141005A	GLHL	4 x M20	4NC 2NO	LED & E-Stop
ID141053A	GLHL	4 x M20	4NC 2NO	LED
ID141051	GLHL	4 x M20	4NC 2NO	E-Stop
ID141037	GLHL	4 x M20	4NC 2NO	
ID141009A	GLHR	4 x M20	4NC 2NO	LED & E-Stop
ID141054A	GLHR	4 x M20	4NC 2NO	LED
ID141052	GLHR	4 x M20	4NC 2NO	E-Stop
iD141038	GLHR	4 x M20	4NC 2NO	

Guardian Line Heavy Duty Type : GLHD-SS (stainless steel)

Part Number	Type	Conduit	Contact	Fittings
ID145001A	GLHD-SS	4 x M20	4NC 2NO	LED & E-Stop
ID145029A	GLHD-SS	4 x M20	4NC 2NO	LED
ID145023	GLHD-SS	4 x M20	4NC 2NO	E-Stop
ID145025	GLHD-SS	4 x M20	4NC 2NO	

Guardian Line Heavy Duty Type : GLHL-SS & GLHR-SS (Die-Cast Metal)

Part Number	Type	Conduit	Contact	Fittings
ID145005A	GLHL-SS	4 x M20	4NC 2NO	LED & E-Stop
ID145053A	GLHL-SS	4 x M20	4NC 2NO	LED
ID145051	GLHL-SS	4 x M20	4NC 2NO	E-Stop
ID145037	GLHL-SS	4 x M20	4NC 2NO	
ID145009A	GLHR-SS	4 x M20	4NC 2NO	LED & E-Stop
ID145054A	GLHR-SS	4 x M20	4NC 2NO	LED
ID145052	GLHR-SS	4 x M20	4NC 2NO	E-Stop
ID145038	GLHR-SS	4 x M20	4NC 2NO	

Idem Grab Wire Safety Rope Switches

Guardian Line Rope Switches : Accessories

Part Number	Type	Rope	Eyebolts 84mm long	Tensioner/ Gripper	Tensioner/Gripper
ID140010	S/Steel 5M Rope Kit	5M QL	3	1	1
ID140011	S/Steel 10M Rope Kit	10M QL	5	1	1
ID140012	S/Steel 15M Rope Kit	15M QL	7	1	1
ID140013	S/Steel 20M Rope Kit	20M QL	9	1	1
ID140014	S/Steel 30M Rope Kit	30M QL	12	1	1
ID140015	S/Steel 50M Rope Kit	50M QL	20	1	1
ID140016	S/Steel 80M Rope Kit	80M	30	2	2
ID140017	S/Steel 100M Rope Kit	100M	37	2	2
ID140018	S/Steel 126M Rope Kit	126M	45	2	2

ID140019	Rope Tensioner/Gripper Stainless Steel

ID140021	Universal Pulley (for inside and outside corners) Stainless Steel

ID140045	Eyebolt stainless Steel (8 pack) 84 long Thread Length 51mm
ID140126	Eyebolt stainless Steel (8 pack) 130 long Thread Length 85mm M8 X 1.25

ID140047LONG	Pigtail Eyebolt Stainless Steel (8 pack) 154mm Long Thread Length 66mm M10 x 1.5
ID140047SHORT	Pigtail Eyebolt Stainless Steel (8 pack) 114mm Long Thread Length 46mm M10 x 1.5

ID40048	Flexible Roller Eyebolt with Adjustment
ID140099	Flexible Roller Eyebolt with Nuts - no adjustments

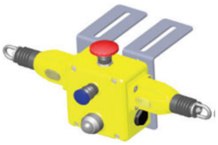
ID140042ASS	LED Green/Flashing Red	24Vdc
ID140042BSS	LED Green/Flashing Red	110-120Vac
ID140042CSS	LED Green/Flashing Red	230Vac
ID140132ASSS	LED Steady Green/Steady Red	24Vdc
ID140132BSSS	LED Steady Green/Steady Red	110-120Vac
ID140132CSSS	LED Steady Green/Steady Red	230Vac

ID140043	220mm Long Stainless Steel Safety String

ID140140	E-Stop Mechanism Stainless Steel
ID140044	E-Stop Mechanism

ID140059	Screwdriver Anti-Tamper T20

ID140165	Mounting Bracket for Rope Switches all variations Statinless Steel



UNO Power Supply - Compact With BASIC Functionality - Domestic/Commercial

Single Phase

Part Number	Description	Infeed Supply	Output Voltage	Output Amps	Dimensions
PH2902991	UNO-PS/1AC/24DC/ 30W	100-240 VAC	24 VDC	1.25	22 x 90 x 84
PH2902992	UNO-PS/1AC/24DC/ 60W	100-240 VAC	24 VDC	2.5	35 x 90 x 84
PH2902993	UNO-PS/1AC/24DC/100W	100-240 VAC	24 VDC	4.2	55 x 90 x 84

ESSENTIAL Power Supply - BASIC Functionality - ** Economically Priced **

Single Phase

Part Number		Description	Infeed Supply	Output Voltage	Output Amps	Dimensions
PH1234301		ESSENTIAL-PS-EE-2G/1AC/24DC/75W/SC	100-240 VAC	24 VDC	3	33 x 90 x 100
PH2910586	**(CE)**	ESSENTIAL-PS/1AC/24DC/120W/EE	100-240 VAC	24 VDC	5	40 x 123 x 117
PH2910587	**(CE)**	ESSENTIAL-PS/1AC/24DC/240W/EE	100-240 VAC	24 VDC	10	60 x 123 x 117
PH2910588	**(CE)**	ESSENTIAL-PS/1AC/24DC/480W/EE	100-240 VAC	24 VDC	20	85 x 123 x 128

Three Phase

Part Number		Description	Infeed Supply	Output Voltage	Output Amps	Dimensions
PH1018291	**(CE)**	ESSENTIAL-PS/3AC/24DC/240W/EE	320-575 VAC	24 VDC	10	60 x 130 x 152
PH1018299	**(CE)**	ESSENTIAL-PS/3AC/24DC/480W/EE	320-575 VAC	24 VDC	20	115 x 130 x 152
PH1018294		ESSENTIAL-PS/3AC/24DC/960W/EE	320-575 VAC	24 VDC	40	139 x 130 x 190

TRIO Power Power Supply - Robust & Reliable - Slim Design - Dynamic Boost (5ms)

*Optional Protective Coating Available

Single Phase

Part Number		Description	Infeed Supply	Output Voltage	Output Amps	Dynamic Boost	Dimensions
PH2903147		TRIO-PS-2G/1AC/24DC/3/C2LPS	100-240 VAC	24 VDC	3	4.5	30 x 130 x 115
PH2903148	**(CE)**	TRIO3-PS/1AC/24DC/5	100-240 VAC	24 VDC	5	7.5	35 x 135 x 115
PH2903149	**(CE)**	TRIO3-PS/1AC/24DC/10	100-240 VAC	24 VDC	10	15	40 x 135 x 132
PH2903151	**(CE)**	TRIO3-PS/1AC/24DC/20	100-240 VAC	24 VDC	20	30	55 X 135 X 125

Three Phase

Part Number	Description	Infeed Supply	Output Voltage	Output Amps	Dynamic Boost	Dimensions
PH2903153	TRIO-PS-2G/3AC/24DC/5	400-500 VAC	24 VDC	5	7.5	35 x 130 x 115
PH1159042	TRIO3-PS/3AC/24DC/10	400-500 VAC	24 VDC	10	15	40 x 135 x 125
PH1159044	TRIO3-PS/3AC/24DC/20	400-500 VAC	24 VDC	20	30	60 x 135 x 125
PH1159045	TRIO3-PS/3AC/24DC/40	400-500 VAC	24 VDC	40	60	90 x 135 x 160

Phoenix Power Supplies

QUINT Power Power Supply - Stable Robust DC Supply - High Electrical Imunity -

Oversizing NOT Required - Mains Buffering (20ms)

Single Phase

Part Number	Description	Infeed Supply	Output Voltage	Output Amps	Static Boost	Dynamic Boost	SFB Trip C/B	Dimensions
PH2866747	QUINT-PS/1AC/24DC/ 3.5	100-240 VAC	18 ... 29.5 VDC	3.5	4		15	32 x 130 x 125
PH2904600	QUINT4-PS/1AC/24DC/5	100-240 VAC	18 ... 29.5 VDC	5	6.25	10	30	36 x 130 x 125
PH2904601	QUINT4-PS/1AC/24DC/10	100-240 VAC	18 ... 29.5 VDC	10	12.5	20	60	50 x 130 x 125
PH2904602	QUINT4-PS/1AC/24DC/20	100-240 VAC	18 ... 29.5 VDC	20	25	30	120	70 x 130 x 125
PH2904603	QUINT4-PS/1AC/24DC/40	100-240 VAC	18 ... 29.5 VDC	40	45	60	215	120 x 130 x 140

Three Phase

Part Number	Description	Infeed Supply	Output Voltage	Output Amps	Static Boost	Dynamic Boost	SFB Trip C/B	Dimensions
PH2904620	QUINT4-PS/3AC/24DC/5	400-500 VAC	18 ... 29.5 VDC	5	6.25	10	30	36 x 130 x 125
PH2904621	QUINT4-PS/3AC/24DC/10	400-500 VAC	18 ... 29.5 VDC	10	12.5	20	60	50 x 130 x 125
PH2904622	QUINT4-PS/3AC/24DC/20	400-500 VAC	18 ... 29.5 VDC	20	25	30	120	70 x 130 x 125
PH2904623	QUINT4-PS/3AC/24DC/40	400-500 VAC	18 ... 29.5 VDC	40	45	60	215	120 x 130 x 125

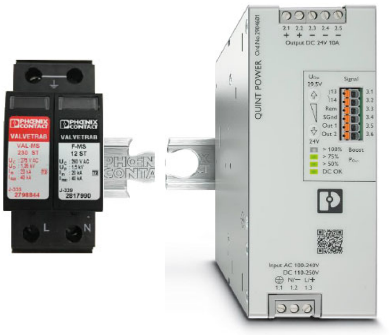
QUINT FEATURES: Configurable Digital / Analogue / Relay Outputs, STATIC Boost 125% (>40°C), DYNAMIC Boost 200% (5ms), Selective Fuse Break (SFB 15ms) Technology, NFC Capabilities, Sleep Mode, Smart HICCUP

Part Number	Description	
PH2804429	**(CE)** SINGLE PHASE	VAL-MS 230/1+1 Type 2 Surge arrestor
PH2907928	**(CE)** SINGLE PHASE	PLT-SEC-T3-230-FM-PT Type 3 Surge Arrestor

Part Number	Description	
PH2838209	**(CE)** THREE PHASE	VAL-MS 230/3+1 Type 2 Surge arrestor
PH1248960	**(CE)** THREE PHASE	VAL-MS 230/3+1 FM-PT Type 2 Surge arrestor

LIFETIME WARRANTY

BUILD WITH CONFIDENCE



ADD a PHOENIX Surge Device (Above) In Conjunction With PHOENIX Power Supply Then Register To Obtain Lifetime Warranty On Your PHOENIX CONTACT Devices Downstream

*Terms & Conditions Apply www.phoenixcontact.com.au/LW

Meanwell Power Supplies

Eco Slimline Plastic Housing - MDR Series

Part Number	Description	Supply Volts	Size	Amps
MEMDR-20-24	Single Phase 24VDC	85-264V AC	22.5x90x100mm	1
MEMDR-40-24	Single Phase 24VDC	85-264V AC	40x90x100mm	1.7
MEMDR-60-24	Single Phase 24VDC	85-264V AC	40x90x100mm	2.5
MEMDR-100-24	Single Phase 24VDC	85-264V AC	110x90x100mm	4

Eco Metal Housing Slimline - EDR Series

Part Number	Description	Supply Volts	Size	Amps
MEEDR-75-24	Single Phase 24VDC	90 - 265 AC	32 x 125 x 102mm	3.2
MEEDR-120-24	Single Phase 24VDC	90 - 265 AC	40 x 125 x 133mm	5
MEEDR-150-24	Single Phase 24VDC	90 - 265 AC	40 x 125 x 133mm	6.5

Metal Housing Slimline - NDR Series

Part Number	Description	Supply Volts	Size	Amps
MENDR-120-24	Single Phase 24VDC	90 - 265V AC	40 x 125 x 133mm	5
MENDR-240-24	Single Phase 24VDC	90 - 265V AC	65 x 113 x 125mm	10
MENDR-480-24	Single Phase 24VDC	90 - 265V AC	85 x 128 x 125mm	20

High Efficiency Compact Metal Housing - SDR Series

Part Number	Description	Supply Volts	Size	Amps
MESDR-120-24	Single Phase 24VDC	85 - 264 AC	40x125x114mm	5
MESDR-240-24	Single Phase 24VDC	85 - 264AC	63 x 125 x 114mn	10
MESDR-480-24	Single Phase 24VDC	85 - 264AC	85 x 125 x 128mm	20

2 Phase Metal Housing - WDR Series

Part Number	Description	Supply Volts	Size	Amps
MEWDR-120-24	2 Phase 24VDC	180 - 550VAC	40 x 125 x 114mm	5
MEWDR-240-24	2 Phase 24VDC	180 - 550VAC	63 x 125 x 114mm	10
MEWDR-480-24	2 Phase 24VDC	180 - 550VAC	85 x 125 x 128mm	20

TDR - 3 Phase Metal Case Compact - TDR Series

Part Number	Description	Supply Volts	Size	Amps
METDR-240-24	3 Phase 24VDC	340 - 550VAC	3 x 125.2 x 113.5mm	10
METDR-480-24	3 Phase 24VDC	340 - 550VAC	3 x 125.2 x 113.5mm	20
METDR-960-24	3 Phase 24VDC	340 - 550VAC	3 x 125.2 x 113.5mm	40

Meanwell Power Supplies

Enclosed 12 Volt DC Power Supplies

Part Number	Description	Supply Volts	Size	Amps
MEMDR-20-12	Single Phase 12VDC	85-264 VAC	22 x 90 x 100	1.67
MEMDR-40-12	Single Phase 12VDC	85-264 VAC	40 x 90 x 100	3.3
MEMDR-60-12	Single Phase 12VDC	85-264 VAC	40 x 90 x 100	5
MEEDR-120-12	Single Phase 12VDC	85-264 VAC	40 x 120 x 113	10

DR Redundancy UPS Modules

Part Number	Description	Supply Volts	Size	Amps
MEDR-UPS40	UPS for up to 40A Sup		55 x 125 x 100mm	40

Legrand Transformers

Transformers - Control & Signalling

Primary : 230-400V+ 15V - 50/60Hz   Secondary: 24-48V

Part Number	Description	Output Volts	Output VA
LE44231	* Safety Isolating Transformer	24-48V	40
LE44232	* Safety Isolating Transformer	24-48V	63
LE44233	* Safety Isolating Transformer	24-48V	100
LE44234	* Safety Isolating Transformer	24-48V	160
LE44235	* Safety Isolating Transformer	24-48V	250
LE44236	* Safety Isolating Transformer	24-48V	400
LE44237	* Safety Isolating Transformer	24-48V	630
LE44238	* Safety Isolating Transformer	24-48V	1000
LE44239	* Safety Isolating Transformer	24-48V	1600

* Fixes direct to Din Rail *

Transformers - Control & Signalling

Primary : 230-400V+ 15V - 50/60Hz   Secondary: 115-230V

Part Number	Description	Output Volts	Output VA
LE44261	* Safety Isolating Transformer	115-230V	40
LE44262	* Safety Isolating Transformer	115-230V	63
LE44263	* Safety Isolating Transformer	115-230V	100
LE44264	* Safety Isolating Transformer	115-230V	160
LE44265	* Safety Isolating Transformer	115-230V	250
LE44266	* Safety Isolating Transformer	115-230V	400
LE44267	* Safety Isolating Transformer	115-230V	630
LE44268	* Safety Isolating Transformer	115-230V	1000
LE44269	* Safety Isolating Transformer	115-230V	1600

* Fixes direct to Din Rail *

Autonics Temperature Controllers - TK Series

TAS Dial Setting Analog non indicating 48 x 48 Controllers

Part Number	Supply Voltage	Main Output	Alarm	Mounting
AUTAS-B4RK4C (type k 0-400)	100-240VAC	Relay	1 Relay	8 pin plug in
AUTAS-B4RK8C (type k 0-800)	100-240VAC	Relay	1 Relay	8 pin plug in

Size S - 48 x 48mm - 45 x 45mm cut out (1/6 DIN)

Part Number	Supply Voltage	Main Output	Alarm	Mounting
AUTK4S-24RN	100-240VAC	Relay	Alarm	panel
AUTK4S-22RN	24VAC/24-48VDC	Relay	2 Relay	panel
AUTK4S-24CN	100-240VAC	4-20/SSR configurable	2 Relay	panel
AUTK4S-22CN	24VAC/24-48VDC	4-20/SSR configurable	2 Relay	panel
AUTK4SP-14RN	100-240VAC	Relay	1 Relay	11 pin plug in
AUTK4SP-14CN	100-240VAC	4-20/SSR configurable	1 Relay	11 pin plug in

Size H - 48 x 96mm - 45 x 92mm cut out (1/8 DIN)

Part Number	Supply Voltage	Main Output	Alarm	Mounting
AUTK4H-24RN	100-240VAC	Relay	2 Relay	panel
AUTK4H-24CN	100-240VAC	4-20/SSR configurable	2 Relay	panel

Size M - 72 x 72mm - 68 x 68mm cut out

Part Number	Supply Voltage	Main Output	Alarm	Mounting
AUTK4M-24RN	100-240VAC	Relay	2 Relay	panel
AUTK4M-24CN	100-240VAC	4-20/SSR configurable	2 Relay	panel

Size L - 96 x 96mm - 92 x 92mm cut out (1/4 DIN)

Part Number	Supply Voltage	Main Output	Alarm	Mounting
AUTK4L-24RN	100-240VAC	Relay	2 Relay	panel
AUTK4L-24CN	100-240VAC	4-20/SSR	2 Relay	panel

FEATURES:

* Universal inputs for all TK4 variants,TAS models are set inputs
* Universal inputs :thermocouple,RTD-PT100,4-20 ma,0-10V
* Outputs available:relay,4-20mA,SSR
* 2 alarms available on par ,1 on plug in controller TAS and TK4SP
* Power Supply options:100-240VAC or 24VAC/24-48VDC

Solid State Relays

Jumo Integral Sink

Part Number	Type	Control Voltage	Load Voltage	Amps
JU00673976	Single Phase - Block	4-32VDC	25-265VAC	25
JU00673981	Single Phase - block	4-32VDC	42-530VAC	50
JU00638037	Single Phase - Din	4-32VDC	600VAC	40
JU00638040	3 Phase - Din	4-32VDC	600VAC	20

Autonics

Part Number	Type	Control Voltage	Load Voltage	Amps
AUSR1-1450-N	Panel Mount SSR without heatsink	4-30VDC	48-480VAC	50 zero cross turn on
AUSR1-1425-N	SSR, Single phase without heatsink	4-30VDC	48-480VAC	25 zero cross turn on
AUSR1-1440-N	SSR,Single phase without heatsink	4-30VDC	48-480VAC	40 zero cross turn on
AUSR1-4425-N	SSR, Single phase without heatsink	90-240VAC	48-480VAC	25 zero cross turn on
AUSR1-4440-N	SSR, Single phase without heatsink	90-240VAC	48-480VAC	25 zero cross turn on
AUSR1-4450-N	SSR, Single phase without heatsink	90-240VAC	48-480VAC	50 zero cross turn on

Signal Converters & Process Indicators

Konics Digital Signal Converters

Part Number	
AUCN6101C1	Isolated signal convertor with display universal inputs RTD - t/couple -0-10v - 4.20ma output 4.20ma - plug in 8 pin complete with din rail base

Konics Digital Process Converters

Part Number	
AUKN-2411W	Digital indicator 48mm x 96mm unviersal inputs RTD t/couple - 0-10v 4.20ma fully scaleable retransmission 4 alarms output relays 24vdc supply - dc power supply for loop
AUM4NSA	Digital loop powered indicator 48mm x 24mm - fully scaleable zero span adjustment - 4-20ma loop

Measuring & Temperature Probes

Jumo Wtrans Temperature Probe

Part Number	
JU902930	Jumo Wtrans T-RTD Temperature Probe wit Wireless Data Transmission
	For stationary and mobile measurements
	Measuring ranges: -30 to +260 C or 200 to +600 C

JU902931	Jumo Wtrans Receiver - Universal for JUMO wireless measuring probes
	In combination with corresponding transmitter for RTD termperature probes,thermocouples
	resistance/potentiometer, voltage input, or pressure measurement
	For up to 16 transmitters per receiver (can be freely combined)

Jumo T03

Head Mount Temperature Transmitter

Part Number	
707031/881-001-005/000	2 wire transmitter Input:Pt100 rtd ,2 or 3 wire
	Programmable via Jumo setup program and interface part no 00553388

Jumo dTRANS T05

Part Number	
Terminal Hand Mount	Programmable two-wire transmitter for installation into
707050/8 - 06/000	terminal head form B and DIN rail
	Input signals: RTD, thermocouple, resistor/potentiometer
Din Rail Mount	Output Signals:4-20ma 0-10 V
707051/8-06/000	Programmble via software and USB cable.

Jumo ecoTRANS pH 03

Part Number	
Transmitter	Microprocessor transmitter/switching device
202723 Series	for pH/Redox voltage and temperature with a 2-line LCD
Probe	ph Probes Jumo tecline
201020 Series	

Jumo ecoTRANS Lf 03

Part Number	
Trasmitter	Microprocessor Transmitter /
202732 Series	Switching Device for conductivity
Probe	or resistivity and temperature or mounting on a 35 mm DIN rail
202922 Series	Conductivity probes JUMO dTRANS AS 02 Transmitter/controller for standard
	signals and temperature Brief description

* Software & interface available for EcoTrans pH03, Eco Trans Lf03, dTrans AS02

Measuring & Temperature Probes

Jumo dTRANS AS 02

Transmitter/controller for standard signals and Temperature

JUMO
dTRANS AS 02
MEASUREMENT
1.69
27.8°C
PPM
PGM
EXIT

Part Number	
Trasmitter 00550842 Series **Probe** 202630-40 Series	**Applications:** • Free chlorine, total chlorine, hydrogen peroxide, peracetic acid, chlorine dioxide and ozone in combination with sensors as per data sheet 20263X.

* Software & interface available for EcoTrans pH03, Eco Trans Lf03, dTrans AS02

Jumo MAERA F27

Level Probe

Part Number	
404391 Series	**Application:** Level and filling level measurement in1 • water and sewage water management • aggressive mediums, acids, lyes • electroplating baths

Jumo MIDAS S05

OEM Pressure Transmittler - Universal

Part Number	
401001 Series	**Applications:** • HVAC (heating, ventilating, and air conditioning) • Refrigeration engineering • Compressor engineering • Machinery and plant engineering • Packaging industry **Brief Description:** The pressure transmitter is available with relative pressure and absolute pressure measuring ranges.

Jumo CTI-750

Inductive Conductivity/Concentration & Temperture Transmitter with switch contacts

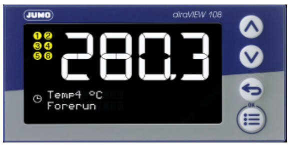
Part Number	
202756 Series	**Brief Description:** The device is used for the measurement/control of conductivity or concentration in liquid media. It is particularly recommended for use in media where severe deposits of dirt, oil, grease or gypsum/lime precipitates are to be expected.

Jumo diraVIEW Digital Indicators (NEW)

Part Number	Order Number			
JU00694782	701510/80000-25/000	24VAC/DC	Type 701510 (format 132: 48 x 24 mm) 1/32 DIN 1 analog input, 2 digital inputs (digital input 1, alternative to logic output), 1 relay (N/O contact), 1 logic output, 0/14 V (alternative to digital input 1) incl. timer, min/max value display, hold function, taring function	*Replaces 701531/888-22*
JU00694781	701510/80000-23/000	110-240VAC		*Replaces 701531/888-23*

JUMO
diraVIEW 132
193.8
T1 °C
OK

Part Number	Order Number			
JU00694786	701513/80000-25/000	24VAC/DC	Type 701513 (format 108Q: 96 x 48 mm) 1/8 DIN 1 analog input, 2 digital inputs (digital input 1, alternative to logic output), 2 relays (N/O contact), 1 logic output, 0/14 V (alternative to digital input 1) incl. timer, min/max value display, hold function, taring function	*Replaces 701530/888-22*
JU00694785	701513/80000-23/000	110-240VAC		*Replaces 701530/888-23*



Temperature Sensors

Part Number	Type	Diameter	Length	Head	Wiring
TC01P010060	RTD - Pt100	6mm	100mm	Small Aluminium	Terminal Block
TC01P015060	RTD - Pt100	6mm	150mm	Small Aluminium	Terminal Block
TC01P020060	RTD - Pt100	6mm	200mm	Small Aluminium	Terminal Block
TC01P030060	RTD - Pt100	6mm	300mm	Small Aluminium	Terminal Block
TC06P0150NB	RTD - Pt100	6mm	150mm	Large Aluminium	Empty (for Tx)
TC06P0300NB	RTD - Pt100	6mm	300mm	Large Aluminium	Empty (for Tx)
TC01J010060	Thermocouple - Type J	6mm	100mm	Small Aluminium	Terminal Block
TC01J015060	Thermocouple - Type J	6mm	150mm	Small Aluminium	Terminal Block
TC01J020060	Thermocouple - Type J	6mm	200mm	Small Aluminium	Terminal Block
TC01J030060	Thermocouple - Type J	6mm	300mm	Small Aluminium	Terminal Block
TC01K010060	Thermocouple - Type K	6mm	100mm	Small Aluminium	Terminal Block
TC01K015060	Thermocouple - Type K	6mm	150mm	Small Aluminium	Terminal Block
TC01K020060	Thermocouple - Type K	6mm	200mm	Small Aluminium	Terminal Block
TC01K030060	Thermocouple - Type K	6mm	300mm	Small Aluminium	Terminal Block

Part Number	Type	Diameter	Length	Head	Wiring
TC05K015060	Thermocouple - Type K	6mm	150mm	None	2m PVC/PVC tails
TC05K030060	Thermocouple - Type K	6mm	150mm	None	2m PVC/PVC tails
TC07K030060	Thermocouple - Type K	6mm	300mm	None	with large plug
TC07K060060	Thermocouple - Type K	6mm	600mm	None	with large plug

Accessories

Part Number	Type	To suit Length	Actual Length	U Length	Out Diamter
TC13CF50	Thermowell	100mm	95mm	50mm	9.5mm
TC13CF100	Thermowell	150mm	145mm	100mm	9.5mm
TC13CF150	Thermowell	200mm	195mm	150mm	9.5mm
TC13CF250	Thermowell	300mm	295mm	250mm	9.5mm

Part Number	Type	Thread	Sensor Diameter
TC22S1260	Compression Fitting	½" BSPT	6mm
TC22S1460	Compression Fitting	¼" BSPT	6mm
TC21S1260	Compression Fitting	½" NPT	6mm
TC21S1460	Compression Fitting	¼" NPT	6mm

INOR Temperature Transmitters

Part Number	Mounting Type	Input	Output	Galvanic Isolation	Configuration
TCAPAQC130RTD	Head Mount	RTD (Pt100 & Pt1000)	4-20mA	No	NFC[1]
TCAPAQR130RTD	DIN Mount	RTD (Pt100 & Pt1000)	4-20mA	No	NFC[1]
TCAPAQC130TC	Head Mount	Thermocouple (TC)	4-20mA	No	NFC[1]
TCAPAQR130TC	DIN Mount	Thermocouple (TC)	4-20mA	No	NFC[1]
TCIPAQC202	Head Mount	RTD (Pt100)	4-20mA	No	PC[2]
TCIPAQC310RTD	Head Mount	RTD (Pt100)	4-20mA	Yes	NFC[1], PC[2] or Bluetooth[3]
TCIPAQC330	Head Mount	Universal	4-20mA	Yes	NFC[1], PC[2] or Bluetooth[3]
TCIPAQR330	DIN Mount	Universal	4-20mA	Yes	NFC[1], PC[2] or Bluetooth[3]
TCIPAQC530	Head Mount	Universal	4-20mA with HART	Yes	NFC[1], PC[2] or Bluetooth[3]
TCIPAQR530	DIN Mount	Universal	4-20mA with HART	Yes	NFC[1], PC[2] or Bluetooth[3]

1) NFC configuration requires smart phone & INOR Connect app
2) PC configuration requires PC configuration kit
3) Bluetooth configuration requires Bluetooth communication kits

Accessories

Part Number	Type
TCDRC	Clip to mount to DIN Rail
TCICON-BT	Bluetooth communication Kit
TCICON-X	PC configuration Kit

Bi-Metal Thermometers

Part Number	Type	Dial Diameter	Length	Range	Stem/Thread
TCBL3/4/0-100	Fixed/Back Connect	3" (76.2mm)	4" (101.6mm)	0 - 100°	¼" Dia / ½" NPT
TCBL3/4/0-200	Fixed/Back Connect	3" (76.2mm)	4" (101.6mm)	0 - 200°	¼" Dia / ½" NPT
TCBL3/6/0-100	Fixed/Back Connect	3" (76.2mm)	6" (152.4mm)	0 - 100°	¼" Dia / ½" NPT
TCBL3/6/0-200	Fixed/Back Connect	3" (76.2mm)	6" (152.4mm)	0 - 200°	¼" Dia / ½" NPT
TCBA5/6/0-100	Every Angle/0-90°	5" (127mm)	6" (152.4mm)	0 - 100°	¼" Dia / ½" NPT
TCBA5/6/0-200	Every Angle/0-90°	5" (127mm)	6" (152.4mm)	0 - 200°	¼" Dia / ½" NPT
TCBA5/12/0-100	Every Angle/0-90°	5" (127mm)	12" (304.8mm)	0 - 100°	¼" Dia / ½" NPT
TCBA5/12/0-200	Every Angle/0-90°	5" (127mm)	12" (304.8mm)	0 - 200°	¼" Dia / ½" NPT

Phoenix Signal Converters

Mini Signal Converters MCR Range

Temperature PT100 - Thermocouple

Part Number		Input	Output	Dimensions
PH2810308	MINI MCR-SL-PT100-LP-NC	PT100	4-20ma	93 x 6 x 102
	Configurable loop-powered temp.	2-3-4	20-4ma	
	Converter Pt 100 - 150°C ....300°C	Wire		
PH2902851	MINI MCR-SL-TC-UI-NC	J Type	4-20ma 0-5V	93 x 6 x 102
	Configurable 24VDC Temperature	K Type	0-20ma 1-5V	
	converter for Thermocouples - 4 Wire		20-4ma 0-10V	
	- 150°C - 300°C		20-0ma 10-0V	
PH2864273	MINI MCR-SL-PT100-UI-NC - MCR	PT100	4-20ma 0-5V	93 x 6 x 102
	Configurable 24VDC 4 wire	2-3-4	0-20ma 1-5V	
	Temperature converter for Pt100	Wire	20-4ma 0-10V	
	- 150°C to 300°C		20-0ma 10-0V	

Analogue Voltage Current

Part Number		Input	Output	Dimensions
PH2864150	MINI MCR-SL-UI-UI-NC - MCR	0-5V	0-5V	93 x 6 x 102
	isolating amplifier for electrical	1-5V	1-5V	
	isolation of analog signals,	0-10V	0-10V	
	input/output configurable via DIP	0-20ma	0-20ma	
	switch, 4 Wire 24VDC Supply	4-20ma	4-20ma	
PH2864422	MINI MCR-SL-RPS-I-I - MCR	0-20ma	0-20ma	93 x 6 x 102
	Analogue Signal Repeater	4-20ma	4-20ma	
	24VDC Supply 4 wire			
PH2864419	MINI MCR-SL-1CP-I-I - MCR loop-powered	0-20ma	0-20ma	93 x 6 x 102
	isolator, 1-channel, for the electrical	4-20ma	4-20ma	
	isolation of current signals 2 Wire			
PH2864176	MINI MCR-SL-UI-21-N/C	0-20a	0-20ma	93 x 6 x 102
	Configurable Input and output Signal	4-20ma	4-20ma	
	Duplicator - One In - Two signals Out	0-10V		
	24VDC Supply	1-5V		

Current Transformers Split Design

Mini DC/DC Converters

Part Number		
PH2813486	MCR-SL-S-100-I-LP	MCR current measuring transducer, for measuring sinusoidal and nonsinusoidal alternating currents, input current 0...100 A (0...50/75/100 A), loop-powered output with 4...20 mA
PH2813499	MCR-SL-S-200-I-LP	MCR current measuring transducer, for measuring sinusoidal and nonsinusoidal alternating currents, input current 0...200 A (0...100/150/200 A), loop-powered output with 4...20 mA

Frequency Transducer

Part Number		
PH2864082	MCR-SL-UI-F	Analog frequency transducer for converting analog standard signals into frequency signals or PWM signals, configurable via DIP switch, with screw connection

Macx Intrisically Safe Isolating Barriers

Digital - Namur Sensor Isolation Barriers

Phoenix

Part Number		Hazardous Area Signal	No . Channels in safe area & signal type	supply Voltage
PH2865450	MACX MCR-EX-SL-NAM-2RO Ex i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 relay outputs (N/O contact) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Single 8VDC Namur Prox Or Contact Input	Single 2 N/O Relay Output	24VDC
PH2865463	MACX MCR-EX-SL-NAM-2T Ex i NAMUR isolating amplifier For operating proximity sensors and switches in Ex areas. The signals are transmitted via 2 transistor outputs (passive) to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Single 8VDC Namur Prox Or Contact Input	Single 2 N/O Transistor Output	24VDC
PH2865476	MACX MCR-EX-SL-2NAM-RO Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via relay output (N/O contact) per channel to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Dual 2 x 8VDC Namur Prox or 2 x Contact Input	Dual 2 N/O Transistor Independent Control Output	24VDC
PH2865489	MACX MCR-EX-SL-2NAM-T Ex-i NAMUR isolating amplifier, 2-channel. For operating proximity sensors and switches in Ex areas. The signals are transmitted via transistor output (passive) per channel to the safe area. Line fault detection (LFD), 3-way isolation, SIL 2.	Dual 2 x 8VDC Namur Prox or 2 x Contact Input	Dual 2 N/O Transistor Independent Control Output	24VDC

Solenoid Driver Isolation Barriers

Phoenix

Part Number		Input	Output	Dimensions
PH2865609	MACX MCR-EX-SL-SD-24-48-LP Ex-i solenoid driver. For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 48 mA. For gases up to Group II C, loop-powered, electrical isolation, SIL 3.48mA output @ 10.5V	10.5VDC @ 25ma Output	Single 20-30VDC Input	24VDC
PH2865515	MACX MCR-EX-SL-SD-21-60-LP Ex-i solenoid driver For controlling Ex-i solenoid valves, alarm modules or LEDs installed in Ex areas. Current limitation at 58 mA. For gases up to Group II B, loop-powered, electrical isolation, SIL 3.	12.95VDC @ 58ma Output	Single 20-30VDC Input	24VDC

Macx Intrisically Safe Isolating Barriers

Analogue Isolation Barriers

Phoenix

Part Number		Input	Output	Dimensions
PH2865340	MACX MCR-EX-SL-RPSSI-I Ex-i repeater power supply and input isolation amplifier, HART. Sends fed or active 0/4-20 mA signals (2), from the Ex area to a load (active or passive) to the safe area. Electrical 3-way isolation, SIL 2 in accordance with IEC 61508.	Single Analogue 0-20ma 4-20ma	Single 0-20ma 4-20ma Output	24VDC
PH2865366	MACX MCR-EX-SL-RPSSI-2I Measuring transducer power supply and input isolating amplifier, HART-transparent. Transfers supplied or active 0/4-20 mA signals from the Ex area galv. isolated to two loads in the safe area. Galvanic 4-way isolation, SIL 2 according to IEC 61508, screw connection	Single Analogue Input 0-20ma 4-20ma	Dual 0-20ma 4-20ma Output	24VDC
PH2908060	MACX MCR-EX-SL-IDSI-I Ex-i output isolating amplifier, HART Isolates and sends intrinsically safe 0/4-20 mA signals to a load (I/P converters, control valves, displays) in Ex areas. Electrical 3-way isolation, wire break recognition, SIL 2 in accordance with IEC 61508.	Single Analogue Output 0-20ma 4-20ma	Single 0-2ma 4-20ma Iput	24VDC

Temperature Isolation Barriers

Phoenix

Part Number		Input	Output	Dimensions
PH2865654	MACX MCR-EX-T-UI-UP Freely programmable Ex-i temperature transducer with analog output and 1 limit value relay, standard configuration, resistance thermometer in 2-, 3-, or 4-wire technology, thermocouples, galvanic isolation, wide-range power supply, screw connection, SIL 2	Single Input T.Couple RTD M.Volt	Single 4-20ma and I N/O Relay Output	24VDC
PH1050222	Ex-i temperature measuring transducer: Converts signals from resistance thermometers installed in Ex areas and transmits a 0/4-20 mA signal to a load in the safe area. Freely programmable, 3-way isolation, SIL2	Single Input RTD	Single 0-2ma 4-20ma Output	24VDC
PH1050233	MACX MCR-EX-SL-TC-I-NC Ex-i temperature measuring transducer: Converts signals from thermocouples installed in Ex areas and mV sources and transmits a 0/4-20 mA signal to a load in a safe area. Freely programmable, 3-way isolation, SIL2	Single Input T.Couple M.Volt 20-80MV	Single 0-2ma 4-20ma Output	24VDC

All models listed are IECEx certified which is accepted in all above ground industries in Australia as well as for underground coal mines in NSW, but not in QLD

Phoenix Unmanaged & Managed Switches

Unmanaged Switches Din Rail Mount

Part Number		Supply
PH1085169	FL Switch SFNB 4TX/FX Ethernet Swtich	24VDC
PH1085039	FL Switch SFNB 5TX Ethernet Switch	24VDC
PH1085256	FL Switch SFNB 8TX Ethernet Switch	24VDC
PH1085255	FL Switch SFNNB16TX Ethernet Switch	24VDC
PH1085254	FLSwitch 110SNT 10/100/1000	24VDC

Managed Switches Din Rail Mount Rack Mount

Part Number		Supply
PH2702324	Industrial Ethernet Switch FL8	24VDC
PH2702903	Industrial Ethernet Switch FL16	24VDC

Secomea Site Managers

SiteManager is a security certified IIoT Edge Gateway in the Secomea Industrial Communications Solution programme that ensures unified, uninterrupted and secure access to remote industrial equipment. The SiteManager 11xx/15xx series is a robust, DIN mountable industrial gateway that you install in machine control panels to provide remote access for on-demand, real-time servicing of industrial equipment. As an additional feature, the SiteManager is capable of data collection, which allows service engineers to perform detailed cloud analysis for predictive and preventive maintenance of connected equipment.

Part Number	Product	No. Device Agents	No. DEV Ports	No. USB Ports	3G/4G Uplink	WiFi Link via USB	Data Collection	No. Serial Ports	Micro SD Flash Card
SEC32221	Site Manager 1539 4G Global	10	3	1	Integrated	Via Ext USB	Yes	1	Yes
SEC32222	Site Manager 3539 4G Global	100	3	1	Integrated	Via Ext USB	Yes	1	Yes

secomea

Site Manger 1539/3539 4G*

Connect multiple devices simultaneously

Connect up to 100 devices of all types of industrial equipment via Ethernet, Serial or USB ports, using the equipment's native protocols (e.g. Modbus, PROFINET, EtherCAT; EtherNet/IP etc.).

Intelligent Data Collection Module

Collects data from field devices via e.g. Modbus OPC UA, CIP or S7, and pushes relevant data to popular clouds such as Azure, AWS, EcoStruxure Machine Advisor, Secomea DCC etc.

Easy & firewall friendly Internet access

Establishes access to the Internet through the firewall of the existing wired network infrastructure, and wirelessly by 4G/LTE Global modem, or via WiFi.

STATUS
UPLINK2
CONNECT
POWER
UPLINK
DEV3
DEV2
DEV1
secomea
SiteManager

Persistent store-and-forward database

Integrated Flash memory extends the RAM based store-and-forward database to ensure data integrity for not only loss of Internet access, but also power-loss. The offline period can be further extended by inserting a SD-Flash card.

Drag & drop SCADA tunnelling setup

LogTunnel support provides static tunnel connections to a central SCADA system, which operates concurrently with other services, such as on-demand access and data collection module.

3 port integrated managed switch

3 DEV/LAN ports configurable as bridged (normal switch) or individually managed ports with separate DHCP servers.

UT Screw Terminals

UT Single Level - Feed Through Terminal

Part Number		Size	Amps
PH3044076	UT 2.5 Terminal	0.14-2.5mm	32A
PH3044102	UT 4 Terminal	0.14-4mm	41A
PH3044131	UT 6 Terminal	0.25-6mm	57A
PH3044160	UT 10 Terminal	0.5-10mm	76A
PH3047028	D-UT 2.5/10 End Cover for 2.5/4/6/10mm		
PH3047167	ATP-UT Partition Plate for 2.5/4/6/10mm		
PH3044199	UT 16 Terminal	1-16mm	101A
PH3047206	D-UT16 End Cover		
PH3044225	UT 35 Terminal (no end cover required)	1.5-35mm	150A

UT Double Level - Feed Through Terminals

Part Number		Size	Amps
PH3044636	UTTB 2.5 Terminal, 1 in/1 out x 2	0.14-2.5mm	28A
PH3044814	UTTB 4 Terminal, 1 in/1 out x 2	0.14-4mm	36A
PH3047293	D-UTTB 2.5/4 End Plate for 2.5/4mm		
PH 3047316	ATP-UTTB 2.5/4 Partition for 2.5/4mm		

UT Triple Level - Feed Through Terminals

Part Number		Size	Amps
PH3214259	UT 2.5-3L Terminal, 1 in/1 out x 3	0.14-2.5mm	24A
PH3214314	D-UT 2.5-6L End Cover for 2.5mm		
PH3003046	TP-UK Partition for 2.5mm		

UT Single Level - Earth Terminals

Part Number		Size
PH3044092	UT 2.5 - PE	0.14-2.5mm
PH3044128	UT 4 - PE	0.14-4mm
PH3044157	UT 6 - PE	0.25-6mm
PH3044173	UT 10 - PE	0.5-10mm
PH3044212	UT 16 - PE	1-16mm
PH3044241	UT 35 - PE	1.5-35mm

** NOTE: END PLATES AND PARTITIONS SAME AS UT TERMINALS*

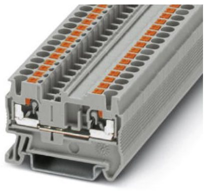
UT Fuse Terminal

Part Number		Size	Amps
PH3046032	UT 4 - HESI (5X20)	0.14-4mm	6.3A
PH3046090	UT 4 - HESILED 24 (5X20) c/w LED to suit 12-30V AC/DC	0.14-4mm	6.3A

PT Push in Connection Terminals

2.5^2mm Feed Thru Terminal Block - Push in

Part Number		
PH3209510	PT 2.5	2.5mm Single Terminal
PH3030417	D-ST 2.5	2.5 end plate
PH3030721	ATP-ST-4	2.5 Partition plate
PH3030213	FSB 10-5	2.5 10 Way Bridge Bar

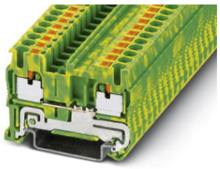


2.5^2mm Quattro Feed Thru Terminal Block - Push in

Part Number		
PH3209578	PT 2.5 QUATTRO	2.5mm two in two out
PH3030514	D-ST 2.5 QUATTRO	2.5 end plate
PH3030815	ATP-ST-QUATTRO	2.5 Partition plate
PH3030213	FBS 10-5 QUATTRO	2.5 10 Way Bridge Bar

2.5^2mm Earth Terminals - Push in

Part Number		
PH3209536	PT 2.5-PE	2.5mm earth terminal
PH3030417	D-ST 2.5	2.5 end plate
PH3030721	ATP-ST-4	2.5 Partition plate
PH0800886	EUK	End Clamp



4^2mm Feed Through Terminal Block - Push in

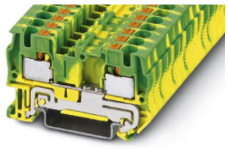
Part Number		
PH3211757	PT4	4mm Single Terminal
PH3030420	DST4	4 End Plate
PH3030721	ATD-ST4	4 Partition Plate

4^2mm Quattro Feed Through Terminal Block - Push in

Part Number		
PH3211797	PT 4 QUATTRO	4mm two in two out
PH3208979	D-PT-4	4 Quattro End Plate
PH3030815	ATP-ST	4 Quattro Partition Plate

4^2mm Earth Terminals - Push in

Part Number		
PH3211766	PT 4-PE	4mm Single Earth Terminal 4mm
PH3030420	PT 4-PE	End Cover
PH3030721	PT 4-PE	Partition Plate



2.5^2mm Double Level Terminal Block - Push in

Part Number		
PH3210567	PTTB 2,5	2.5mm Terminal double level push in
PH3211634	D-PTTB 2,5	End Plate - width 2.2mm
PH3030747	ATP-STTB 4	Partition Plate - 2mm width

2.5^2mm Double Level Terminal Block - Push in Angled

Part Number		
PH3209604	PTTB 2,5	2.5mm Terminal double level push in Angled
PH3038503	D-STTBS 2,5	End Plate - width 2.2mm
PH3030747	ATP-STTB 4	Partition Plate - 2mm width

Double Earth Terminal Block

Part Number		
PH3210596	PTTB 2,5-PE	Protective conductor double-level terminal block,
		connection method: Push-in connection

2.5mm Three Level Terminal Block

Part Number		
PH3210499	PT 2,5-3L	2.5mm Three Level Terminal Block
PH3211647	D-PT 2,5-3L	End Plate

PT Fuse Terminal

Part Number		
PH3211861	PT 4-HESI	Fuse Terminal

Part Number	
PH0801733	2MT SLOTTED DIN RAIL NS 35/7.5
PH0801681	2MT SOLID DIN RAIL NS 35/7.5

End Clamps for NS/35/7.5 Din Rail

Part Number	
PH0800886	E/NS - END BRACKET WIDTH 9.5M
PH3022218	CLIPFIX SNAP ON END CLAMP WITH MARKING OPTION
PH3022276	CLIPFIX SNAP ON END CLAMP SLIMLINE 5.2MM

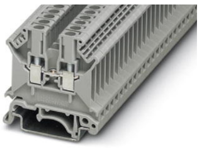
Plug in Bridges to suit UT & PT Terminals

Part Number			
2.5mm Terminals			
PH3030161	FBS 2-5	2WAY	RED
PH3030190	FBS 5-5	5 WAY	RED
PH3030213	FBS 10-5	10WAY	RED
4mm Terminals			
PH3030336	FBS 2-6	2 WAY	RED
PH3030349	FBS 5-6	5 WAY	RED
PH3030271	FBS 10-6	10WAY	RED
6mm Terminals			
PH3030284	FBS 2-8	2 WAY	RED
PH3030310	FBS 5-8	5 WAY	RED
PH3030323	FBS 10-8	10WAY	RED
10mm Terminals			
PH3005947	FBS 2-10	2 WAY	RED
PH3005948	FBS 5-10	5 WAY	RED
16mm Terminals			
PH3005950	FBS 2-12	2 WAY	RED
35mm Terminals			
PH3005963	FBS 2-16	2 WAY	RED

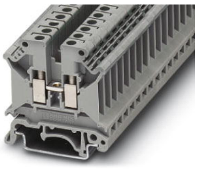
UK Style Din Rail Terminals

(Available - will becoming Obsolete)

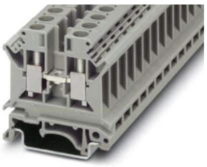
Part Number	
PH3001501	UK3N TERMINAL 2.5mm2
PH3003020	END PLATE FOR 2.5,4,6,10
PH3003224	PARTITION PLATE FOR 2.5,4,6,10,16
PH2770642	10 WAY FIXED BRIDGE
PH0800886	END CLAMP DIN RAIL



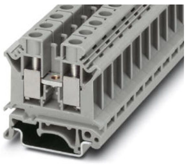
PH3004362	UK5N TERMINAL 4mm2
PH3003020	END PLATE FOR 4,6,10
PH3003224	PARTITION PLATE FOR 2.5,4,6,10,16
PH0203250	10 WAY FIXED BRIDGE
PH0800886	END CLAMP DIN RAIL



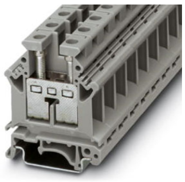
PH3004524	UK6N TERMINAL 6mm2
PH3003020	END PLATE FOR 4,6,10
PH3003224	PARTITION PLATE FOR 2.5,4,6,10,16
PH0203263	10 WAY FIXED BRIDGE
PH0800886	END CLAMP DIN RAIL



PH3005073	UK10N TERMINAL 10mm2
PH3003020	END PLATE FOR 4,6,10
PH3003224	PARTITION PLATE FOR 2.5,4,6,10,16
PH0203276	10 WAY FIXED BRIDGE
PH0800886	END CLAMP DIN RAIL

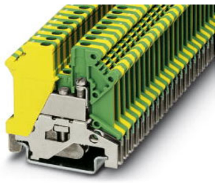


PH3006043	UK16N TERMINAL 16mm2
PH3006027	END PLATE FOR UK16N
PH3003224	PARTITION PLATE FOR 2.5,4,6,10,16
PH0203454	10 WAY FIXED BRIDGE
PH0800886	END CLAMP DIN RAIL



USKLG Style Earth Terminals

Part Number	
PH3000611	EARTH TERMINAL 2.5mm2
PH0441504	EARTH TERMINAL 4mm2
PH0442079	EARTH TERMINAL 6mm2
PH3003923	EARTH TERMINAL 10mm2
PH0443023	EARTH TERMINAL 16mm2



UK Style Fused Terminals - Din Rail - Takes M205 Fuses

Part Number	
PH3004100	FUSED TERMINAL NO NEON - FLIP OUT
PH3004126	FUSED TERMINAL 24VDC WITH NEON - FLIP OUT
PH3004142	FUSED TERMINAL 250 VAC WITH NEON - FLIP OUT
PH3118012	FUSED TERMINAL WITH REMOVEABLE FUSE INSERT - UKSUI

UKK Style 2 & 3 Circuit Terminals

Din Rail Mount

Part Number	
PH2770011	TWO CIRCUIT TERMINAL BLOCK 2.5mm
PH2774017	TWO CIRCUIT TERMINAL BLOCK 4mm
PH2715979	THREE CIRCUIT (NO END PLATE NEEDED) - 4MM
PH2770024	END PLATE - (FOR 2.5MM AND 4MM TWO CIRCUIT)
PH2770639	10 WAY FIXED BRIDGE FOR 2.5mm
PH0203250	10 WAY FIXED BRIDGE FOR 4mm - (2 & 3 CIRCUIT)

Din Rail - NS 35/7.5

Part Number	
PH0801733	2MT SLOTTED DIN RAIL NS 35/7.5
PH0801681	2MT SOLID DIN RAIL NS 35/3.5

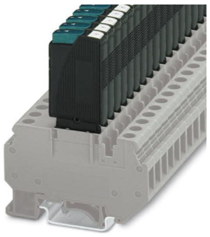
End Clamps for NS/35/7.5 Din Rail

Part Number	
PH0800886	E/NS - END BRACKET WIDTH 9.5M
PH3022218	CLIPFIX SNAP ON END CLAMP WITH MARKING OPTION
PH3022276	CLIPFIX SNAP ON END CLAMP SLIMLINE 5.2MM

TCP A Thermal Miniature Circuit Breakers

AC 250VAC/65VDC

Part Number		
PH0712107	TCP 0,1A	.1 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712123	TCP 0,25A	.25 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712152	TCP 0,5A	.5 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712194	TCP 1A	1 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712217	TCP 2A	2 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712233	TCP 3A	3 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712259	TCP 4A	5 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712275	TCP 6A	6 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712291	TCP 8A	8 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH0712314	TCP 10A	10 AMP 250VAC/65VDC Thermal Miniature CB Plug-in
PH3118203	UK 6-FSI/C	SCREWED TERMINAL BLOCK FOR ABOVE .2-6MM²



ZB Numbered Markers to suit UT, PT, ST & UK

Part Number	Terminal Size
PH1050017	ZB5 Horizontal Marker for 2.5mm (5mm wide)
PH1050020	ZB5 Vertical Marker for 2.5mm (5mm wide)
PH1051016	ZB6 Horizontal Marker for 4mm (6mm wide)
PH1051029	ZB6 Vertical Marker for 4mm (6mm wide)

1 2 3 4 5 6 7 8 9 10

**** Note: to select numbers required i.e PH1050017 : 0011 for 1-10, 0011 for 11-20 etc***

** Custom markers available upon request*

Phoenix Slotted Duct

PLEASE NOTE: Any Slotted Duct outside this list or have * is likely to have a 120 Day lead time due to Sea Freight**

25mm HIGH Slotted Duct

Part Number	Size - w x h	
PH3240187	(SY/24) CD 25X25 Cable duct Gray	2m

40mm HIGH Slotted Duct

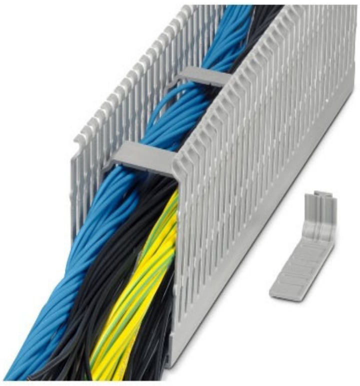
PH3240188	(SY/34) CD 25X40 Cable duct Grey	2m
PH3240278	(SN/30)*** CD 30X40 Cable duct Grey	2m
PH3240189	(SY/26) CD 40X40 Cable duct Grey	2m
PH3240190	(SY/20) CD 60X40 Cable duct Grey	2m

60mm HIGH Slotted Duct

PH3240191	(SY/22) CD 25X60 Cable duct Grey	2m
PH3240280	(SN/26)*** CD 30X60 Cable duct Grey	2m
PH3240192	(SY/24) CD 40X60 Cable duct Grey	2m
PH3240193	(SY/18) CD 60X60 Cable duct Grey	2m
PH3240194	(SY/16) CD 80X60 Cable duct Grey	2m

80mm HIGH Slotted Duct

PH3240197	(SY/20) CD 25X80 Cable duct Grey	2m
PH3240282	(SY/16) CD 30X80 Cable duct Grey	2m
PH3240198	(CE) (SY/16) CD 40X80 Cable duct Grey	2m
PH3240199	(SY/18) CD 60X80 Cable duct Grey	2m
PH3240200	(CE) (SY/8) CD 80X80 Cable duct Grey	2m
PH3240201	(SY/8) CD 100X80 Cable duct Grey	2m
PH3240202	(SN/8) *** CD 120X80 Cable duct Grey	2m



100mm HIGH Slotted Duct

PH3240283	(SN/16)*** CD 30X100 Cable duct Grey	2m
PH3240294	(SY/12) CD 40X100 Cable duct Grey	2m
PH3240263	(SY/12) CD 60X100 Cable duct Grey	2m
PH3240264	(SY/10) CD 80X100 Cable duct Grey	2m
PH3240205	(SY/8) CD 100X100 Cable duct Grey	2m

Spare Covers/Lids for Slotted Duct

PH3240285	(SN/10)*** CD COVER 25 Cover profile
PH3240295	(SN/10)*** CD COVER 30 Cover profile
PH3240286	(SN/10)*** CD COVER 40 Cover profile
PH3240287	(SN/10)*** CD COVER 60 Cover profile
PH3240288	(SN/10)*** CD COVER 80 Cover profile
PH3240289	(SN/10)*** CD COVER 100 Cover profile
PH3240290	(SN/10)*** CD COVER 120 Cover profile

Cable Retaining Clip Up To 80mm Wide Duct

PH3240284	(SY/50) CD WR Universal wire retaining clip

Hand Held Slotted Cable Cutter

PH1212474	CUTFOX-CD Cable duct cutter

Bench Style Slotted Duct Tool

PH1207569	PPS CD M Cable duct cutter

V90HT Single Core Flexible Building Wire

100Mtr Spool

cross section in mm2	red	black	white	blue	brown	grey	orange	violet	pink	green / yellow
0.5	F1-.5RD	F1-.5BK	F1-.5WH	F1-.5BL	F1-.5BR	F1-.5GR	F1-.5OR	F1-.5VI	F1-.5PI	F1-.5GY
0.75	F1-.75RD	F1-.75BK	F1-.75WH	F1-.75BL	F1-.75BR	F1-.75GR	F1-.75OR	F1-.75VI	F1-.75PI	F1-.75GY
1	F1-1RD	F1-1BK	F1-1WH	F1-1BL	F1-1BR	F1-1GR	F1-1OR	F1-1VI	F1-1PI	F1-1GY
1.5	F1-1.5RD	F1-1.5BK	F1-1.5WH	F1-1.5BL	F1-1.5BR	F1-1.5GR	F1-1.5OR	F1-1.5VI	F1-1.5PI	F1-1.5GY
2.5	F1-2.5RD	F1-2.5BK	F1-2.5WH	F1-2.5BL	F1-2.5BR	F1-2.5GR	F1-2.5OR	F1-2.5VI	F1-2.5PI	F1-2.5GY
4	F1-4RD	F1-4BK	F1-4WH	F1-4BL	F1-4BR	F1-4GR	F1-4OR	F1-4VI	F1-4PI	F1-4GY
6	F1-6RD	F1-6BK	F1-6WH	F1-6BL						F1-6GY
10	F1-10RD	F1-10BK	F1-10WH	F1-10BL						F1-10GY

* Class 5 fine wire stranding, tinned, 105°C PVC insultation * Nominal Voltage - 600/1000V * Temperature range - 20° to + 105°C

VSD Screened Power Cable

PVC V75 250/440V

Part Number	No. of Cores & mm^2 Per Conductor	Approx. Weight	Approx Overall Diameter mm
VSD4-1	3 core + earth 1mm	130	8.7
VSD3-1.5	2 core + earth 1.5mm	170	10.3
VSD4-1.5	3 core + earth 1.5mm	204	11.3
VSD3-2.5	2 core + earth 2.5mm	211	11.8
VSD4-2.5	3 core + earth 2.5mm	310	13.5
VSD4-4	3 core + erath 4mm	403	15.1
VSD4-6	3 core + earth 6mm	524	16.6

Note: Larger Sizes available

- **Test voltage**: 4000V
- **Nominal voltage :**
  Flexing : ≤ 1.0mm^2 : 300/500V
  ≥ 1.5mm^2 : 450/750V
  Fixed : ≥ 1.5mm^2 : 600/1000V
- **Temperature range:**
  Flexing: - 5°C to + 70°C;
  Fixed: -40°C to + 70°C
- **Minimum bending radius:**
  Flexing: 20 x cable diameter,
- **Core color coding** (VDE 0293-308)
  2 core + earth : blue, brown, yellow/green
  3 core + earth : brown, black, yellow/green, grey

Multicore PVC numbered Control Cable

PVC V75 250/440V

Part Number	No. of Cores & mm^2 Per Conductor	Approx. Weight	Approx Overall Diameter mm
CC3-0.5	2 core + earth 0.5mm	4.8	35
CC4-0.5	3 core + earth 0.5mm	5.7	54
CC5-0.5	4 core + earth 0.5mm	6.2	63
CC7-0.5	6 core + earth 0.5mm	6.7	81
CC12-0.5	11 core + earth 0.5mm	8.9	131
CC18-0.5	17 core + earth 0.5mm	10.5	188
CC25-0.5	24 core + earth 0.5mm	12.4	261
CC3-.75	2 core + earth 0.75mm	5.7	55
CC4-.75	3 core + earth 0.75mm	6.2	66
CC5-.75	4 core + earth 0.75mm	6.4	79
CC7-.75	6 core + earth 0.75mm	7.3	101
CC12-.75	11 core + earth 0.75mm	9.9	171
CC18-.75	17 core + earth 0.75mm	11.7	244
CC25-.75	24 core + earth 0.75mm	13.8	337
CC34-.75	33 core + earth 0.75mm	15.9	448

PVC Industrial Cable Ties

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quanity
WATIE90B	100	2.4	BLACK	100
WATIE140B	140	3.6	BLACK	100
WATIE185B	199	4.6	BLACK	100
WATIE290B	288	4.6	BLACK	100
WATIE360FW	370	7.6	BLACK	100

Bulk Cable Tie Packs

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quanity
WATIE140B/1000	140	3.6	BLACK	1000
WATIE185B/1000	199	4.6	BLACK	1000
WATIE290B/1000	288	4.6	BLACK	1000

Blue Metal Detectable Ties (Food Industry)

Part Number	Lenth (mm)	Width (mm)	Colour	Pack Quanity
PH3240794*	98	2.5	BLUE	100
PH3240797*	200	4.5	BLUE	100
PH3240798	290	4.5	BLUE	100
PH3240800*	365	7.5	BLUE	100

Nylon Cable Glands

Part Number	Thread Dia	Min	Max	Box Qty
WAALCMG12	M12	4	6	40
WAALCMG16	M16	5	10	25
WAALCMG20	M20	8	14	25
WAALCMG25	M25	11	17	15
WAALCMG32	M32	18	25	5
WAALCMG40	M40	22	32	4
WAALCMG50	M50	30	38	2
WAALCMG63	M63	38	47	2

Phoenix Ferrules

Pre Insulated Single Bootlace Ferrules (Loose Packets)

Part Number		Colour	Pack Qty	Conct Size (mm²)
PH3200014	AI 0,5 - 8 WH	WHITE	100	0.5
PH3200027	AI 0,75- 8 BU	BLUE	100	0.75
PH3200030	AI 1 - 8 RD	RED	100	1
PH3200043	AI 1,5 - 8 BK	BLACK	100	1.5
PH3200069	AI 2,5 - 8 GY	GREY	100	2.5
PH3200085	AI 4 -10 OG	ORANGE	100	4
PH3200108	AI 6 -12 GN	GREEN	50	6
PH3200124	AI 10 -12 BN	BROWN	50	10
PH3200140	AI 16 -12 WH	IVORY	50	16
PH3203024	AI 0,25- 6 YE	YELLOW	50	0.25
PH3203066	AI 0,34- 8 TQ	TURQUOISE	50	0.34

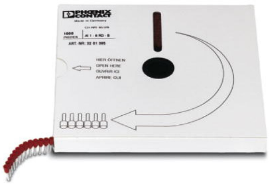
Pre Insulated Twin Bootlace Ferrules

Part Number		Colour	Pack Qty	Conct Size (mm²)
PH3200807	BOOTLACE TERMINAL	GREY	100	2 x 0.75
PH3200810	BOOTLACE TERMINAL	RED	100	2 x 1.0
PH3200823	BOOTLACE TERMINAL	BLACK	100	2 x 1.5
PH3200836	BOOTLACE TERMINAL	BLUE	100	2 x 2.5

Phoenix Ferrules in Roll Pack

Part Number	Thread Dia
PH3201369	FERRULES .5M WHITE PACK 1000
PH3201547	FERRULES .75M BLUE PACK 1000
PH3201385	FERRULES 1.0M RED PACK 1000
PH3201398	FERRULES 1.5M BLACK PACK 1000
PH3201550	FERRULES 2.5M GREY PACK 500

* Fits all Legrand tools and standard Crimpers



Phoenix Multipole Connectors

3 Pole + E

Part Number		
PH1585223	HC-A03-I-UT-	3 POLE +E SOCKET INSERT SCREW (FEMALE)
PH1585210	HC-A03-I-UT-M	3 POLE +E PIN INSERT SCREW (MALE)
PH1419235	HC-STA-D07-HHFS-1STM20-EL-AL	ZINC HOUSING, LATERAL M20 R/A
PH1419229	HC-STA-D07-HHFS-1TTM20-EL-AL	SLEEVE HOUSING FOR SINGLE LEVER M20
PH1419249	HC-STA-D07-BWS-EL-AL	PANEL MOUNT BASE WITH SINGLE LEVER
PH1419252	HC-STA-D07-BAWS-EL-AL	PANEL MOUNT BASE WITH ANGLED SINGLE LEVER
PH1419238	HC-STA-D07-CHWS-1TTM20-EL-AL	COUPLING HOUSING WITH SINGLE LEVER M20

6 Pole + E

Part Number		
PH1648128	HC-B 6-I-UT-F	6 POLE +E SOCKET HOUSING SCREW (FEMALE)
PH1648115	HC-B 6-I-UT-M	6 POLE +E PIN HOUSING SCREW (MALE)
PH1412570	HC-STA-B06-HLFS-1TTM20-EL-AL	R/A 6 POLE SINGLE LEVER HOOD M20
PH1412574	HC-STA-B06-HLFS-1STM20-EL-AL	STRAIGHT 6 POLE SINGLE LEVER HOOD M20
PH1411318	HC-STA-B06-BWS-ELC-AL	6 POLE PANEL MOUNT BASE, SINGLE LOCK LEVER
PH1412821	C-STA-B06-SLWS-2SSM20-ELC-AL	6 POLE PANEL MOUNT BASE, 2 X M20 SINGLE LOCK LEVER

10 Pole + E

Part Number		
PH1648186	HC-B 10-I-UT-F	10 POLE +E SOCKET INSERT SCREW (FEMALE)
PH1648173	HC-B 10-I-UT-M	10 POLE +E PIN INSERT SCREW (MALE)
PH1412616	HC-STA-B10-HLFD-1STM20-EL-AL	R/A 10 POLE DOUBLE LOCK HOOD M20
PH1412620	HC-STA-B10-HLFD-1TTM20-EL-AL	STRAIGHT 10 POLE DOUBLE LOCK HOOD M20
PH1411322	HC-STA-B10-BWD-ELC-AL	10 POLE PANEL MOUNT BASE, 2 X M20 WITH DBL LOCK LEVERS
PH1412835	HC-STA-B10-SLWD-2SSM20-ELC-AL	10 POLE BOX MOUNT BASE, WITH DBL LOCK LEVERS

Phoenix Multipole Connectors

16 Pole + E

Part Number		
PH1648241	HC-B 16-I-UT-F	16 POLE +E SOCKET INSERT SCREW (FEMALE)
PH1648238	HC-B 16-I-UT-M	16 POLE +E PIN INSERT SCREW (MALE)
PH1412717	HC-STA-B16-HLFD-1STM25-EL-AL	R/A 16 POLE DOUBLE LOCK HOOD M25
PH1412721	HC-STA-B16-HLFD-1TTM25-EL-AL	STRAIGHT 16 POLE DOUBLE LOCK HOOD M25
PH1411327	HC-STA-B16-BWD-ELC-AL	16 POLE PANEL MOUNT BASE, WITH DBL LOCK LEVERS
PH1412855	HC-STA-B16-SLWD-2SSM25-ELC-AL	16 POLE BOX MOUNT BASE, 2 X M25 WITH DBL LOCK LEVERS

24 Pole + E

Part Number		
PH1648306	HC-B 24-I-UT-F	24 POLE +E SOCKET INSERT SCREW (FEMALE)
PH1648296	HC-B 24-I-UT-M	24 POLE +E PIN INSERT SCREW (MALE)
PH1412773	HC-STA-B24-HLFD-1STM25-EL-AL	R/A 24 POLE DOUBLE LOCK HOOD M25
PH1412778	HC-STA-B24-HLFD-1TTM25-EL-AL	STRAIGHT 24 POLE DOUBLE LOCK HOOD M25
PH1411331	HC-STA-B24-BWD-ELC-AL	24 POLE PANEL MOUNT BASE, WITH DBL LOCK LEVERS
PH1412873	HC-STA-B24-SLWD-2SSM25-ELC-AL	24 POLE BOX MOUNT BASE, 2 X M25 WITH DBL LOCK LEVERS

Werma 72mm Perment Elements BA15

12 240V IP65

Part Number	
KU64110900	Tower light, Kombisign71, permanent, Red, 12-240V. IP65 (requires bulb)
KU64120900	Tower light, Kombisign71, permanent, Green, 12-240V. IP65 (requires bulb)
KU64130900	Tower light, Kombisign71, permanent, Amber, 12-240V. IP65 (requires bulb)
KU64140900	Tower light, Kombisign71, permanent, Clear, 12-240V. IP65 (requires bulb)
KU64150900	Tower light, Kombisign71, permanent, Blue, 12-240V. IP65 (requires bulb)

Werma 72mm Xenon Flashing Strobes

24VDC IP65

Part Number	
KU64310955	Tower light, Kombisign71, Xenon flashing, Red, 24VDC. IP65
KU64330955	Tower light, Kombisign71, Xenon flashing, Amber, 24VDC. IP65
KU64350955	Tower light, Kombisign71, Xenon flashing, Blue, 24VDC. IP65

LED & Incadescent Globes

24VAC/DC BA15

Part Number	
KU95643975	Bulb LED Clear 15d 24V
KU95644975	Bulb LED Clear BA 15d 24V Blinking White
KU95500935	Bulb BA 15d 5W, 24V

240VAC BA15

Part Number	
KU95643968	Bulb LED Clear 15d 240V
KU95644968	Bulb LED Clear BA 15d 240V Blinking White
KU95584038	Bulb BA 15d 5W, 240V

Werma 72mm Multitone Sounders & Buzzers

24VAC/DC - 240VAC

Part Number	
KU64580975	Tower light. Kombisign71, Buzzer, continuous or pulse tone, 85dB (at 1M) IP65, 24VAC/DC
KU64589060	Tower light. Kombisign71, Multi-tone sounder, 8 tone, 100dB (at 1M) IP65, 240VAC

Werma Mounting Accessories

For 72mm Beacons & Tower lights

Part Number	
KU64082900	Tower light, Kombisign71, terminal element and cap to suit base mount or wall mount, screw terminals
KU64083900	Tower light, Kombisign71, terminal element and cap to suit tube mount, screw terminals
KU97584911	Base with integrated tube 110mm to suit KombiSign70,71
KU96000902	Wall bracket for base mount, KombiSign 50,70,71
KU97584925	Aluminium Tube 250mm
KU97584991	Base for Aluminium Tube

Werma Multitone Sounders

9-28VDC - 110-240VAC Base Mount IP65

Part Number	
KU14015050	Multi-tone sounder, electronic, 32 tone, wall mount, 115dB (at 1M) IP65, 9-28VDC RED
KU14015060	Multi-tone sounder, electronic, 32 tone, wall mount, 115dB (at 1M) IP65, 110 - 240V AC, RED -40°C...+70°C

Multitone Sounders & Beacons

Part Number	
SPCOMB24R	LED Flashing Beacon Electronic Multitone Siren, 24VDC, 91-111dB (Red)
SPCOMB24A	LED Flashing Beacon Electronic Multitone Siren, 24VDC, 91-111 dB (Amber)

Autonics Buzzers

Part Number	
AUB2NB-B1D	Eco Range Buzzer - 22.5mm, 28mm Head - 12/24VDC, 75dB

PAFS Nylon Conduit Contractor Pack

Part Number	
CACP-AT21-BLY	PAFS M20 Contractor Pack
CACP-AT28-BLY	PAFS M25 Contractor Pack

*** Includes 10 metres STD Nylon PAFS Conduit Plus 10 straight AT fittings**

Nylon Conduit

Type PAFS

Part Number	
CAPAFS16/BL/25M	BL PAFS CONDUIT 11.8MM* 25M ROLL
CAPAFS21/BL/25M	BL PAFS CONDUIT 16.5MM* 25M ROLL
CAPAFS28/BL/25M	BL PAFS CONDUIT 22.6MM* 25M ROLL
CAPAFS34/BL/10M	BL PAFS CONDUIT 28.8MM* 10M ROLL
CAPACS42/BL/10M	BL PAFS CONDUIT 35.2MM* 10M ROLL

*** Note - Conduit Internal Diameter ***

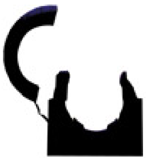
AT Fittings to suit PAFS Conduit

Part Number	
CAAT16/M16/A/BLY	BL IP66 M16 FOR PAFS
CAAT16/M16/C90/BLY	BL IP66 M16 FOR PAFS
CAAT21/M20/A/BLY	BL IP66 M20 FOR PAFS
CAAT21/M20/C90/BLY	BL IP66 M20 FOR PAFS
CAAT28/M25/A/BLY	BL IP66 M25 FOR PAFS
CAAT28/M25/C90/BLY	BL IP66 M25 FOR PAFS
CAAT34/M32/A/BLY	BL IP66 M28 FOR PAFS
CAAT42/M40/A/BLY	BL IP66 M35 FOR PAFS

*** Note - Conduit Internal Diameter ***

PAFS Nylon Conduit Clips

Part Number	
CAACB16	AC 16MM CONDUIT CLIPS
CAACB21	AC 20MM CONDUIT CLIPS
CAACB28	AC 25MM CONDUIT CLIPS



Rhino Flex Smooth PVC Conduit (Food & Wash Down)

Part Number	
CARF16/OR/30M	ORANGE SMOOTH PVC 16MM 30M ROLL
CARF20/OR/30M	ORANGE SMOOTH PVC 20MM 30M ROLL
CARF25/OR/30M	ORANGE SMOOTH PVC 25MM 30M ROLL
CARF16/GN/30M	GREEN SMOOTH PVC 16MM 30M ROLL
CARF20/GN/30M	GREEN SMOOTH PVC 20MM 30M ROLL
CARF25/GN/30M	GREEN SMOOTH PVC 25MM 30M ROLL

*** Sold by Roll ***

PVC Fittings to suit Rhino Flex Conduit

Part Number	
CARF16/M16/A/BL	BL IP66 M16 STRAIGHT FITTING
CARF20/M20/A/BL	BL IP66 M20 STRAIGHT FITTING
CARF25/M25/A/BL	BL IP66 M25 STRAIGHT FITTING
CARF16/M16/C90/BL	BL IP66 M16 90 DEG FITTING
CARF20/M20/C90/BL	BL IP66 M20 90 DEG FITTING
CARF25/M25/C90/BL	BL IP66 M25 90 DEG FITTING

Metallic Conduit with ribbed PVC Coating

Type SP

Part Number	
CASP16/BL/10M	BL PVC STEEL COND 16MM 10M ROLL
CASP16/BL/25M	BL PVC STEEL COND 16MM 25M ROLL
CASP20/BL/10M	BL PVC STEEL COND 20MM 10M ROLL
CASP20/BL/25M	BL PVC STEEL COND 20MM 25M ROLL
CASP25/BL/10M	BL PVC STEEL COND 25MM 10M ROLL
CASP25/BL/25M	BL PVC STEEL COND 25MM 25M ROLL

*** Sold by the Roll * - Orange available - insert OR eg. ADSP16/OR/25M**

Fittings to suit SP ribbed Conduit

Part Number	
SWIVEL/FIXED FITTINGS	
CASP16/M16/A	FIXED M16 FITTING, STRAIGHT
CASP16/M16/C90	FIXED M16 FITTING, ANGLE
CASP20/M20/A	FIXED M20 FITTING, STRAIGHT
CASP20/M20/C90	FIXED M20 FITTING, ANGLE
CASP25/M25/A	FIXED M25 FITTING, STRAIGHT
CASP25/M25/C90	FIXED M25 FITTING, ANGLE
SWIVEL FITTINGS	
CASP20/M20/B	SWIVEL M20 FITTING FOR SP
CASP25/M25/B	SWIVEL M25 FITTING FOR SP

Metallic Conduit with Smooth PVC Coating

Type SPL - Black

Part Number	
CASPL16/10M	BL PVC STEEL COND 16MM 10M ROLL
CASPL16/25M	BL PVC STEEL COND 16MM 25M ROLL
CASPL20/10M	BL PVC STEEL COND 20MM 10M ROLL
CASPL20/25M	BL PVC STEEL COND 20MM 25M ROLL
CASPL25/10M	BL PVC STEEL COND 25MM 10M ROLL
CASPL25/25M	BL PVC STEEL COND 25MM 25M ROLL
CASPL32/10M	BL PVC STEEL COND 32MM 10M ROLL

* Sold by the Roll *

Metallic Conduit with Smooth PVC Coating

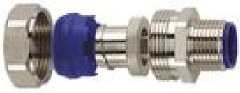
Type SPL - Orange

Part Number	
CASPL16/OR/25M	ORANGE PVC STEEL COND 16MM 25M
CASPL20/OR/25M	ORANGE PVC STEEL COND 20MM 25M
CASPL25/OR/25M	ORANGE PVC STEEL COND 25MM 25M
CASPL32/OR/25M	ORANGE PVC STEEL COND 32MM 25M

*** Sold by the Roll ***

Fittings to Suit SPL Metal Conduit

Part Number	
SWIVEL/FIXED FITTINGS	
CASPL16/M16/M	SWIVEL/FIXED M16 FITTING, STRAIGHT
CASPL16/M16/C90	SWIVEL/FIXED M16 FITTING, ANGLE
CASPL20/M20/M	SWIVEL/FIXED M20 FITTING, STRAIGHT
CASPL20/M20/C90	SWIVEL/FIXED M20 FITTING, ANGLE
CASPL25/M25/M	SWIVEL/FIXED M25 FITTING, STRAIGHT
CASPL25/M25/C90	SWIVEL/FIXED M25 FITTING, ANGLE
CASPL32/M32/M	SWIVEL/FIXED M32 FITTING, STRAIGHT
SWIVEL FITTINGS	
CASPL20/M20/B	SWIVEL M20 FITTING FOR SPL
CASPL25/M25/B	SWIVEL M25 FITTING FOR SPL

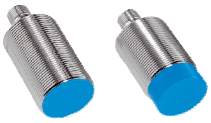


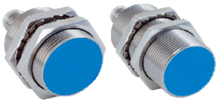
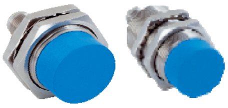
Metal Locknuts

Part Number	
CALNB/M16	METAL 16MM LOCK NUTS
CALNB/M20	METAL 20MM LOCK NUTS
CALNB/M25	METAL 25MM LOCK NUTS
CALNB/M32	METAL 32MM LOCK NUTS

Sick Inductive Sensors

Part Number	Series	Size	Flush/Non Flush	Range	PNP/NPN	Output	Connection
SI1040838	IME STD Body	M8	Flush	1.5mm	PNP	NO	M8 3Pin
SI1040854	IME STD Body	M8	Non Flush	2mm	PNP	NO	M8 3Pin
SI1040764	IME STD Body	M12	Flush	4mm	PNP	NO	M12 4Pin
SI1040748	IME STD Body	M12	Non Flush	4mm	PNP	NO	M12 4Pin
SI1040934	IME STD Body	M18	Flush	5mm	PNP	NO	M12 4Pin
SI1040950	IME STD Body	M18	Non Flush	8mm	PNP	NO	M12 4Pin
SI1041030	IME STD Body	M30	Flush	15mm	PNP	NO	M12 4Pin
SI1041046	IME STD Body	M30	Non Flush	20mm	PNP	NO	M12 4Pin
SI1074349	IMB STD Body	M8	Flush	2mm	PNP	NO/NC	M12 4Pin
SI1074350	IMB STD Body	M8	Non Flush	4mm	PNP	NO/NC	M12 4Pin
SI1074366	IMB Short Body	M12	Flush	4mm	PNP	NO/NC	M12 4Pin
SI1074360	IMB STD Body	M12	Non Flush	8mm	PNP	NO/NC	M12 4Pin
SI1074376	IMB Short Body	M18	Flush	8mm	PNP	NO/NC	M12 4Pin
SI1074369	IMB STD Body	M18	Flush	8mm	PNP	NO/NC	M12 4Pin
SI1074377	IMB Short Body	M18	Non Flush	12mm	PNP	NO/NC	M12 4Pin
SI1074370	IMB STD Body	M18	Non Flush	12mm	PNP	NO/NC	M12 4Pin
SI1074406	IMB Short Body	M30	Flush	15mm	PNP	NO/NC	M12 4Pin
SI1074411	IMB STD Body	M30	Flush	15mm	PNP	NO/NC	M12 4Pin
SI1074416	IMB Short Body	M30	Non Flush	20mm	PNP	NO/NC	M12 4Pin
SI1074407	IMB STD Body	M30	Non Flush	20mm	PNP	NO/NC	M12 4Pin
SI1076673	IMF STD Body	M12	Flush	4mm	PNP	NO	M12 4Pin
SI1076675	IMF STD Body	M12	Non Flush	8mm	PNP	NO	M12 4Pin
SI1076665	IMF STD Body	M18	Flush	8mm	PNP	NO/NC	M12 4Pin
SI1076669	IMF STD Body	M18	Non Flush	12mm	PNP	NO/NC	M12 4Pin
SI1055461	IQ10-06NPSKT0S	CUBOID	FLUSH	6mm	PNP	NO	M8 3 Pin
SI1071553	IQ40 CUBOID	40x40	Flush	20mm	PNP	NO/NC	M12 4Pin
SI1071850	IQ40 CUBOID	40x40	Non Flush	40mm	PNP	NO/NC	M12 4Pin



IME = Nickel Plated Brass IP67
IMB = S/Steel IP69k
IMF= S/Steel Hygeinic IP69k

Sick Sensors

Reflective Sensors

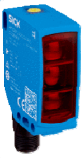
Part Number	Series	Description	Range (Metres)	Shape	Output	Connection	Material	IP Rating	
SI1042065	WL4S-3F2130	PinPoint LED	0 - 2.5	Cuboid	PNP DO	M8 3 Pin	Plastic	IP67	
SI6020688	WL150-P420	Red LED Transparent Objects ***Includes PL20A & Bracket**	0.01 - 0.3	Cuboid	PNP LO/DO	M8 4 Pin	Plastic	IP67	
SI1049063	WL9-3P2432	PinPoint LED	0 - 3	Cuboid	PNP LO/DO	M12 4 Pin	Vistal	IP67/69k	
SI6035495	VL18-4P3140V	Red LED Hygienic/Washdown	0.1 - 4.5	Cylindrical	PNP LO/DO	M12 4 Pin	S/Steel	IP67/69k Washdown	
SI6041819	VL180-2P42431	Red LED ***Includes P250 Reflector**	0 - 2.4	Cylindrical	PNP LO/DO	M12 4 Pin	Metal	IP67	
SI1085706	GRL18S-P2431V	PinPoint LED	0.06 - 6	Cylindrical	PNP LO/DO	M12 4 Pin	S/Steel	IP67/69k Washdown	
SI1071743	HL18-F4A3AA	PinPoint Signal Strength Display	0.03 - 5	Hybrid	PNP LO/DO	M12 4 Pin	Vistal	IP67/69k	
SI1100593	ZLD18-BFZ4A8	BASIC LED	0 - 4	Hybrid	PNP DO	M12 4 Pin	Plastic	IP67	
SI1218660	WLA16P-24162100A00	PinPoint LED Signal Strength Display IO Link with Smart Task	0 - 7	Cuboid	PNP/NPN/LO /DO	M12 4 Pin	Vistal	IP67/69	
SI1218661	WLG16P-24162120A00	PinPoint LED Multi Mode Sensor IO Link with Smart Task	0 - 5	Cuboid	PNP/NPN/LO /DO	M12 4 Pin	Vistal	IP67/69	
SI6044760	WL280-2R4331	Dual Lens 24-240V AC/DC ***Includes P250 Reflector & Bracket**	0.01 - 11	Cuboid	Relay LO	M20 Gland	Plastic	IP66/67	

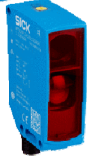
Reflectors

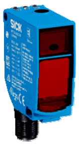
Part Number		
SI5308844	PL20F	Fine Reflector 20x60mm (Laser/Transparent Objects)
SI5308843	P250F	Fine Reflector 50x50mm (Laser/Transparent Objects)
SI1012719	PL20A	Reflector 18x60mm
SI1012720	PL40A	Reflector 40x60mm
SI5304812	P250	Reflector 51x61mm
SI1003865	PL80A	Reflector 84x84mm
SI4086634	REF-PLUS-R50	Reflective Tape 50x912mm

Duffuse/Proximity/Background Suppression Sensors

Part Number	Series	Description	Range (mm)	Shape	Output	Connection	Material	IP Rating
SI1065862	GTB10-R3812	24..240V AC/DC * Includes Bracket	20 - 450	Cuboid	Relay SPDT	2mtr Lead	Plastic	IP67
SI1073431	HTB18-P4A2BB	PinPoint LED M18 Signal Strength Display	5 - 150	Hybrid	PNP LO/DO	M12 4 Pin	Vistal	IP67/69
SI1218626	WTB16P-24161120A00	PinPoint LED Range Display IO Link with Smart Task	10 - 550	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67/69
SI1218663	WTB16P-24161120A00	TWIN EYE PinPoint LED Range Display IO Link with Smart Task	15 - 400	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67/69
SI1218698	WTB16P-24161120A00	PinPoint LED Range Display IO Link with Smart Task	100 - 400	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67/69
SI1218666	WTB26P-24161120A00	PinPoint LED Range Display IO Link with Smart Task	180 - 800	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67/69
SI6035493	VTB18-4P1240V	Cylindrical M18 Hygienic and washdown zones (Teach)	40 - 130	Cylindrical	PNP LO/DO	M12 4 Pin	S/Steel	IP69k
SI6043870	VTB180-2P42412	Cylindrical M18 Potentiometer Adjustment	30 - 200	Cylindrical	PNP LO/DO	M12 4 Pin	Metal	IP67
SI1085742	GRTB18S-P2412V	Cylindrical M18 Hygienic and washdown zones (Pot)	20 - 150	Cylindrical	PNP LO/DO	M12 4 Pin	S/Steel	IP69k
SI1111828	WTT4SLC-3B3462A00	Power Prox Time Of Flight IO Link with Smart Task 200mm Tail	100 - 1300	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67
SI1072611	WTT12L-B2561	Power Prox Time Of Flight IO Link with Smart Task	100 - 3800	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67
SI1082415	WTT12L-B2553	Power Prox Time Of Flight IO Link with Smart Task	100 - 1800	Cuboid	PNP/NPN /LO	M12 4 Pin	Vistal	IP67
SI1072532	WTT12LC-B2563	Power Prox Time Of Flight IO Link with Smart Task	100 - 3800	Cuboid	PNP/NPN/ LO	M12 5 Pin	Vistal	IP67

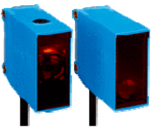






Sick Sensors

Through Beam Sensors

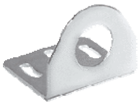
Part Number	Series	Description	Range (Metres)	Shape	Output	Connection	Material	IP Rating	
SI1065912	GSE10-R3812	PinPoint LED SPDT 24...240 AC/DC *Includes Brackets	35	Cuboid	Relay SPDT	2mtr Lead	Plastic	IP67	
SI1071750	HSE18-A4A2BA	PinPoint LED Alignment Display	20	Hybrid	PNP/NPN DO	M12 4 Pin	Vistal	IP67/69	
SI1088329	WSE16P-24162100A00	PinPoint LED Alignment Display IO Link with Smart Task	30	Cuboid	PNP/NPN/ LO/DO	M12 4 Pin	Vistal	IP67/69	
SI6027931	VSE18L-4P324	M18 Laser Detecting Small Objects	50	Cylindrical	PNP LO/DO	M12 4 Pin	Metal	IP67	
SI6041823	VSE180-2P42432	M18 Basic Sensor with Potentiometer	20	Cylindrical	PNP LO/DO	M12 4 Pin	Metal	IP67	
SI1085765	GRSE18S-P2421V	M18 Infra Red LED Hygienic & Wash Down	10	Cylindrical	PNP LO/DO	M12 4 Pin	S/Steel	IP67/69k	

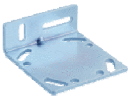
Distance Sensors

Part Number	Series	Description	Range (Metres)	Shape	Output	Connection	Material	IP Rating	
SI1057652	DT35-B15251	Smart Task, Laser, Analogue Outputs 4..20mA 0-10V	50 - 3100	Cuboid	PNP /Analogue	M12 5 Pin	Plastic	IP65/67	
SI1065661	DT50-2B215252	Smart Task, Laser, Analogue Outputs 4..20mA 0-10V	200 - 10,00	Cuboid	PNP/ Analogue	M12 5 Pin	Metal	IP65/67	

Sensor Mounting Plates

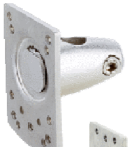
Part Number	Series	Description
SI5308447	BEF-WN-M12	Right Angle Bracket M12
SI5308446	BEF-WN-M18	Right Angle Bracket M18
SI5308445	BEF-WN-M30	Right Angle Bracket M30
SI2051628	BEF-W4-A	Right Angle Bracket To Suit W4
SI2022855	BEF-WN-W9-2	Right Angle Bracket To Suit W9
SI2013942	BEF-WG-W12	Right Angle Bracket To Suit W12/16
SI2069592	BEF-WN-DX35	Right Angle Bracket To Suit DT35 (Knuckle Optional SI5322626)
SI2048370	BEF-WN-DX50	Right Angle Bracket To Suit DT50 (Knuckle Optional SI5322626)
SI2078538	BEF-WTT12L	WTT12 Bracket

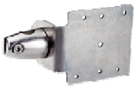




Universal Clamp Bracket for 12mm Post

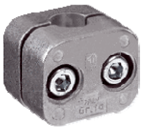
Part Number	Series	Description
SI2051612	BEF-KHS-N06	M18 Post Mount Clamp
SI2051608	BEF-KHS-N02	W4/W9/ W12/W16W/P250
SI2051609	BEF-KHS-N03	W12/WTT12//W16/W18/DT35/
SI2051613	BEF-KHS-N07	PL20/PL40/PL50/PL250/C110

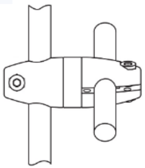


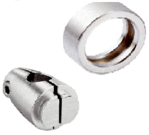


12mm Post

Part Number	Series	Description
SI4056055	BEF-MS12G-B	STRAIGHT ROD 300mm
SI4056053	BEF-MS12L-B	90 Degree ROD 250*250mm
SI4056057	BEF-MS12Z-B	Z Shape ROD 150* 70*250mm
SI5321878	BEF-RMC-D12	MOUNTING CLAMP For Post
SI5322626	BEF-KHS-KH3	Universal Bar Clamp Knuckle
SI4075781	BEF-KHS-VR	Universal Bar Knuckle Coupler







Sick Sensor Cables

PUR Cables

Part Number	Description	Len Metres
SI2094782	M8 3P PUR Female Straight Cable	2
SI2094788	M8 3P PUR Female Straight Cable	5
SI2094789	M8 3P PUR Female Straight Cable	10
SI2094790	M8 3P PUR Female Straight Cable	20

SI2094791	M8 4P PUR Female Straight Cable	2
SI2094792	M8 4P PUR Female Straight Cable	5
SI2094793	M8 4P PUR Female Straight Cable	10
SI2095582	M8 4P PUR Female Straight Cable	20

SI2095607	M12 4P PUR Female Straight Cable	2
SI2095608	M12 4P PUR Female Straight Cable	5
SI2095609	M12 4P PUR Female Straight Cable	10
SI2095610	M12 4P PUR Female Straight Cable	15
SI2095611	M12 4P PUR Female Straight Cable	20
SI2095615	M12 4P PUR Female Straight Cable	25

SI2095767	M12 4P PUR Female R/Angle Cable	5
SI2095768	M12 4P PUR Female R/Angle Cable	10
SI2095770	M12 4P PUR Female R/Angle Cable	20

SI2095617	M12 5P PUR Female Straight Cable	2
SI2095618	M12 5P PUR Female Straight Cable	5
SI2095619	M12 5P PUR Female Straight Cable	10
SI2095614	M12 5P PUR Female Straight Cable	20

SI2095773	M12 5P PUR Female R/Angle Cable	5
SI2095774	M12 5P PUR Female R/Angle Cable	10
SI2095795	M12 5P PUR Female R/Angle Cable	20

IP69K Hygenic Washdown Cable with Stainless Steel Nut

SI6058505	M8 3P PP S/Steel IP69k Straight	5
SI6058506	M8 3P PP S/Steel IP69k Straight	10
SI2094813	M8 3P PP S/Steel IP69k Straight	25

SI6058511	M8 4P PP S/Steel IP69k Straight	5
SI6058512	M8 4P PP S/Steel IP69k Straight	10
SI6058513	M8 4P PP S/Steel IP69k Straight	25

SI6058476	M12 4P PP S/Steel IP69k Straight	5
SI6058478	M12 4P PP S/Steel IP69k Straight	10
SI6058480	M12 4P PP S/Steel IP69k Straight	25

SI6058495	M12 5P PP S/Steel IP69k Straight	5
SI6058496	M12 5P PP S/Steel IP69k Straight	10
SI6058497	M12 5P PP S/Steel IP69k Straight	25

Sick Sensor Cables

Interconnecting Cable

SI2095997	M12 4P Female - M12 4P Male 1mtr PUR	1
SI2096000	M12 4P Female - M12 4P Male 2mtr PUR	2
SI2096001	M12 4P Female - M12 4P Male 5mtr PUR	5
SI2096002	M12 4P Female - M12 4P Male 10mtr PUR	10

SI2096006	M12 5P Female - M12 5P Male 0.6mtr PUR	0.6
SI2096007	M12 5P Female - M12 5P Male 1mtr PUR	1
SI2096009	M12 5P Female - M12 5P Male 2mtr PUR	2
SI2096010	M12 5P Female - M12 5P Male 5mtr PUR	5
SI2096011	M12 5P Female - M12 5P Male 10mtr PUR	10
SI2096171	M12 5P Female - M12 5P Male 15mtr PUR	15
SI2095844	M12 5P Female - M12 5P Male 20mtr PUR	20

Sensor Cable Roll/Drum

SI6057969	Sensor Cable 4 Core 0.34mm PUR 100M BK
SI6057970	Sensor Cable 5 Core 0.34mm PUR 100M BK

Female Field Wireable Connector

SI6028422	M12 8 Pole Female Socket Screw
SI6009719	M12 5 Pole Female Socket Screw
PH1543045	M12 5 Pole Female Socket Screw
SI6009974	M8 4 Pole Female Socket Screw
PH1506891	M8 4 Pole Female Socket Screw
SI7902077	M8 3 Pole Female Socket Screw
PH1506888	M8 3 Pole Female Socket Screw

Male Field Wireable Connector

SI6033269	M12 8 Pin Male Socket Screw
SI6022083	M12 5 Pin Male Socket Screw
PH1542965	M12 5 Pin Male Socket Screw
SI6037323	M8 4 Pin Male Socket Screw
PH1501265	M8 4 Pin Male Socket Screw
SI6037322	M8 3 Pin Male Socket Screw
PH1501252	M8 3 Pin Male Socket Screw

PNP/NPN OptoCoupler

PH2964319	PNP/NPN Converter DIN Mount

M12 - M8 Adapters

SI6057868	ADAPTER, M12 Male 3P - M8 3P Female
SI6057869	ADAPTER, M12 Male 4P - M8 4P Female
SI6057956	ADAPTER, M8 Male 3P - M12 3P Female
SI6057957	ADAPTER, M8 Male 4P - M12 4P Female

Sick Safety Light Curtains

DETEC 4 CORE 1200mm Height, 14mm Res, 10mtr Range

Part Number	Description	
SI1211479	C4C-EA12010A10000 LIGHTCURTAIN RECEIVER	M12 5 PIN Connector
SI1211478	C4C-SA12010A10000 LIGHTCURTAIN SENDER	M12 5 PIN Connector

DETEC 4 CORE 600mm Height, 30mm Res, 15mtr Range

Part Number	Description	
SI1211495	C4C-EA06030A10000 LIGHTCURTAIN RECEIVER	M12 5 PIN Connector
SI1211494	C4C-SA06030A10000 LIGHTCURTAIN SENDER	M12 5 PIN Connector

DETEC 4 CORE 1200mm Height, 30mm Res, 15mtr Range

Part Number	Description	
SI1211502	C4C-EA12030A10000 LIGHTCURTAIN RECEIVER	M12 5 PIN Connector
SI1211501	C4C-SA12030A10000 LIGHTCURTAIN SENDER	M12 5 PIN Connector

DETEC 4 CORE 1500mm Height, 30mm Res, 15mtr Range

Part Number	Description	
SI1211506	C4C-EA15030A10000 LIGHTCURTAIN RECEIVER	M12 5 PIN Connector
SI1211505	C4C-SA15030A10000 LIGHTCURTAIN SENDER	M12 5 PIN Connector

DeTem 4 CORE 4 Beams 300mm Seperation 17mtr Range

Part Number	Description	
SI1082692	Multiple light 4 beam safety devicesdeTem4 RECEIVER	M12 5 PIN Connector
	Core M4C-EA04300A10	

Part Number	Description	
SI1082690	Multiple light 4 beam safety devicesdeTem4 SENDER	M12 5 PIN Connector
	Core M4C-SA0430LA10	

DeTem 4 CORE Mounting Bracket

Part Number	Description
SI2066614	BEF-1SHABPKU4 FlexFix Bracket Pack Of 4

Sick Safety Switches

Non Contact Magnetic Safety Switch

Part Number	Description
SI1059503	RE13-SAC MAGN. SAFETY SENSOR M8 4 PIN
SI1062011	RE13-SA05 MAGN. SAFETY SENSOR 5 MTR LEAD

SI1059509	RE27-SA68L MAGN. SAFETY SENSOR M12 8 pin 200mm Lead 2NO 1NC
SI1059510	RE27-SA05L MAGN. SAFETY SENSOR 5mtr Cable 2NO 1NC

Non Contact RFID Safety Switch

Part Number	Description
SI6070823	TR4-SEM02CB TR4 M12 5 PIN RFID 2xOSSD
SI6070811	TR4-SEM01CB TR4 M12 8 PIN RFID 2xOSSD

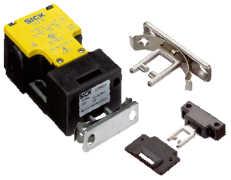
SI1069560	STR1 -SET M12 5 PIN RFID 2xOSSD
SI1069561	STR1 -SET M12 8 PIN RFID 2xOSSD

Miniature Safety Tongue Switch

Part Number	Description
SI6025059	I12-SB213 SAFETY INTERLOCK M16 GLAND 2NC 1NO
SI5311131	IE12-S1 ACTUATOR IE12
SI5311132	IE12-A1 ACTUATOR IE12 (90_GRAD)

Small Safety Tongue Switch

Part Number	Description
SI6025067	I17-SA213 SAFETY INTERLOCK M20 GLAND 2NC 1NO
SI5311130	IE17-S1 ACTUATOR IE17
SI5311129	IE16-F1 ACTUATOR IE16 (FLEX.)

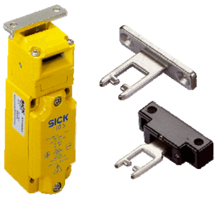


Safety Tongue Solenoid Power To Release

Part Number	Description
SI6025060	I14-M0213 SAFETY INTERLOCK M20 GLAND 2NC 1NO
SI5311133	IE14-S1 ACTUATOR IE14

Safety METAL Solenoid Power To Release

Part Number	Description
SI6025074	I110-SA223 SAFETY INTERLOCK M20 GLAND 2NC 2NO 12Nm
SI5308758	IE200-S1 ACTUATOR, STANDARD
SI5308759	IE200-F1 ACTUATOR, FLEXIBLE



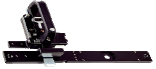
Safety Solenoid Power To Release

Part Number	Description
SI6051596	TR110-SRUSA00 Transponder Safety Switch M12 8 Pin 2x OSSD 20Nm
SI6051602	TR110-SRU2B00 2 Push Buttons M12 5 Pin & M12 8 Pin 2x OSSD 20Nm
SI5319975	IE15-S1 ACTUATOR STRAIGHT
SI5319976	IE15-A1 Actuator Angled
SI5319978	IE15-R2 FLEXIBLE ACTUATOR

Safety Power To Release RFID

Part Number	Description
SI6033743	TR110-SRUSA00 Transponder Safety Switch
SI6068076	TR110-SRU2B00 2 Push Buttons
SI5321176	TR110-XAS Actuator straight
SI5334663	TTR110-XABT Actuator angled
SI5338332	TR110-XAFR ACTUATOR Hinged RHD
SI5338331	TR110-XAFL Hinged actuators LHD

SI1091789	MB1-BL10 Mechanical Door Mount (Suits TR110)



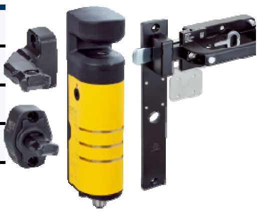
Sick Safety Switches

M12 8 Pin Cable To Suit TR4 /STR1 / TR110

Part Number	Description
SI2095653	M12 8P PVC 5mtr Female Straight Cable
SI2095654	M12 8P PVC 10mtr Female Straight Cable

Safety Power To Release RFID

Part Number	Description
SI1101321	FXL1-SPBMSA00 - Flexi Lock Power to Release M12, 8Pin
SI1101327	FXL-AR1 - Ridged Actuator Flex Lock
SI1101326	FXL-AF1 - Flexible Actuator Flex Lock
SI1111207	MB1-BF10 Mechanical Door Mount (Suit Flex Lock)



Rope Pull Safety Switch

Part Number	Description
SI1064511	i150-RP224 SAFETY INTERLOCK M12 4Pin <75mtr
SI6024883	I150-RP313 SAFETY INTERLOCK M20 Gland <75mtr
SI6025077	I110-RP223 SAFETY INTERLOCK M20 Gland <30mtr

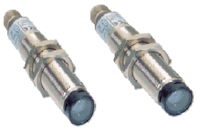
Rope Pull Safety Switch KIT

Part Number	Description
SI5311137	IE110-P10 ACCESSORIES I110-RP 10M
SI5311139	iE110-P30 ACCESSORIES I110-RP 30M
SI5311290	iE110-PTS Spring (Not Included In Kit)

Sick Optical Safety Devices

Safety Single Through Beam Sensor 10mtrs

Part Number	Description
SI6034866	L41S-21MA1A LIGHT BARRIER, SENDER M12 4 Pin
SI6034867	L41E-21MA1A LIGHT BARRIER, RECEIVER M12 4 Pin



Safety Laser Scanner 3mtrs

Part Number	Description
SI1100333	NANS3-AAAZ30AN1
SI2105106	NANSX-AAABZZZZ1 System Plug with M12 8 Pin
SI2111767	Mounting kit 1a Basic Fixed Bracket Nanoscan
SI2111768	Mounting kit 1b NanoSCAN HOOD BRACKET
SI2118400	NanoScan Prog Cable USB-MicroUSB 5Mtr

Safety Laser Scanner 5.5mtrs

Part Number	Description
SI1075843	MICS3-AAAZ55AZ1P01 - M12 8 Pin
SI2074242	Mounting kit 1b MICROSCAN HOOD BRACKET
SI6053566	MicroScan Prog Cable USB- MiniUSB 5 Mtr

Sick Optical Safety Devices

Laser Scanner M12 Safety Cables

Part Number	Description
SI2079315	M12 8P PUR 5mtr Female Straight Cable
SI2079316	M12 8P PUR 10mtr Female Straight Cable
SI2092105	M12 8P PUR 20mtr Female Straight Cable

Sick Safety Relays

EMMS= Electro Mechanical Safety Switch

Part Number	Description	Safe Outputs	Aux	Supply	Reset
SI1085345	RLY3-EMSS100 Electro Mechanical + Reset + EDM	2	2	24VDC	Auto/Man
SI1099973	RLY3-EMSS300 Electro Mechanical + Reset + EDM	3	2	24VDC	Auto/Man
	* Example of EMMS Potential Free Outputs, E-Stop/Mag Reed Switch/Limit/Tounge Switch				

OSSD = Output Signal Switching Device

Part Number	Description	Safe Outputs	Aux	Supply	Reset
SI1085344	RLY3-OSSD200 OSSD Safety Inputs + Reset + EDM	2	2	24VDC	Auto/Man
SI1099969	RLY3-OSSD300 OSSD Safety Inputs + Reset + EDM	3	2	24VDC	Auto/Man
	* Example of OSSD Devices, Light Curtains / Scanners /STR/Tr4				

Universal Safety Relay EMMS/OSSD

Part Number	Description	Safe Outputs	Aux	Supply	Reset
SI1100692	RLY3-MULT100 + Reset + External Device Monitoring	3	2	24VDC	Auto/Man

Output Safety Relay Expansion Modules

Part Number	Description	Safe Outputs	Aux	Supply	Reset
SI1085343	RLY3-OSSD100 Switching Current 10mA ... 6A	2	1	24VDC	
SI1099971	RLY3-OSSD400 Switching Current 10mA ... 6A	4	1	24VDC	

Two Handed Safety Control Relay

Part Number	Description	Safe Outputs	Aux	Supply	Reset
SI1085346	RLY3-HAND100 2 x 1N/O 1N/C Two-Hand Controllers	2	1	24VDC	Auto/Man

Sick Programmable Safety Relays

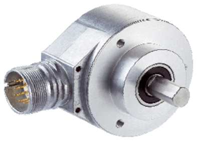
Part Number	Description
SI1043700	FX3-MPL000001 FLEXISOFT MEMORY PLUG (Suits CPU-0)
SI1043783	FX3-CPU000000 FLEXISOFT CONTROLLER
SI1047162	FX3-MPL100001 FLEXISOFT MEMORY PLUG (Suits CPU-3)
SI1059305	FX3-CPU320002 FLEXISOFT CONTROLLER
SI1044124	FX3-XTDI80002 FLEXISOFT SAFETY 8INPUTS
SI1044125	FX3-XTIO84002 FLEXISOFT SAFETY 8IN/4OUT
SI1051134	FX3-ANA020002 ANALOGUE SAFETY INPUTS 2
SI1044072	FX0-GENT00000 FLEXISOFT EIP GATEW.
SI1044073	FX0-GMOD00000 Safe EFI MODBUS TCP
SI1044074	FX0-GPNT00000 PROFINET
SI1069070	FX3-GEPR00000 EtherNet/IP
SI1061778	FX0-STIO68002 NON SAFE 6-8 Inputs/Outputs (2 Configurable)
SI6034574	FlexiSoft Programming Cable USB- M8 4 Pin

FREE "Flexi Soft Designer" Download from SICK.com/au

Sick Programmable Incremental Encoders

Programmable Encoders

Part Number	Description
SI1036720	DFS60B-S4PA10000 M23 12 Pin INCREMENTAL ENCODER 10mm Shaft
SI1036721	DFS60B-S4PC10000 M12 8 Pin INCREMENTAL ENCODER 10mm Shaft
SI1036915	DFS60B-TDPC10000 M12 8 Pin INCREMENTAL ENCODER 10mm Through Hollow Shaft

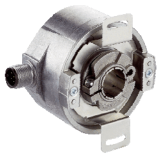


M12 Encoder Cables

Part Number	Description
SI6032867	M12 8P PUR 5mtr SHIELDED Female Straight Encoder Cable
SI6032868	M12 8P PUR 10mtr SHIELDED Female Straight Encoder Cable
SI6032869	M12 8P PUR 20mtr SHIELDED Female Straight Encoder Cable

M23 Encoder Cables

Part Number	Description
SI2029214	M23 12 Pin PUR 5mtr Shielded Female Encoder Cable
SI2030688	M23 12 Pin PUR 10mtr Shielded Female Encoder Cable
SI2030692	M23 12 Pin PUR 15mtr Shielded Female Encoder Cable



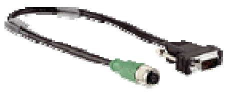
Shaft Adapter/Coupling

Part Number	Description
SI5326697	KUP-0610-D Flexible Coupling 10-6MM
SI5326703	KUP-1010-D Flexible Coupling 10-10MM

Encoder Programmable Tools

Part Number	Description
SI1072254	PGT-10-Pro Encoder Programming Module
SI2046579	Encoder Prog Cable SUBD - M12 8 PIN
SI2046580	Encoder Prog Cable SUBD - M23 8 PIN

Programmable Features: TTL/HTL, 10,000 PPR - 0-10k Pulses Per Resolution

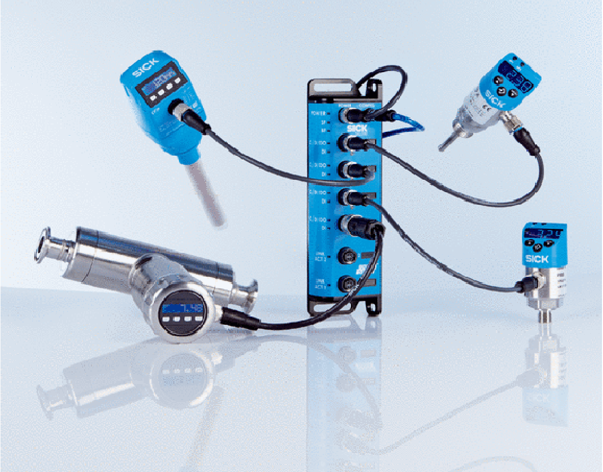


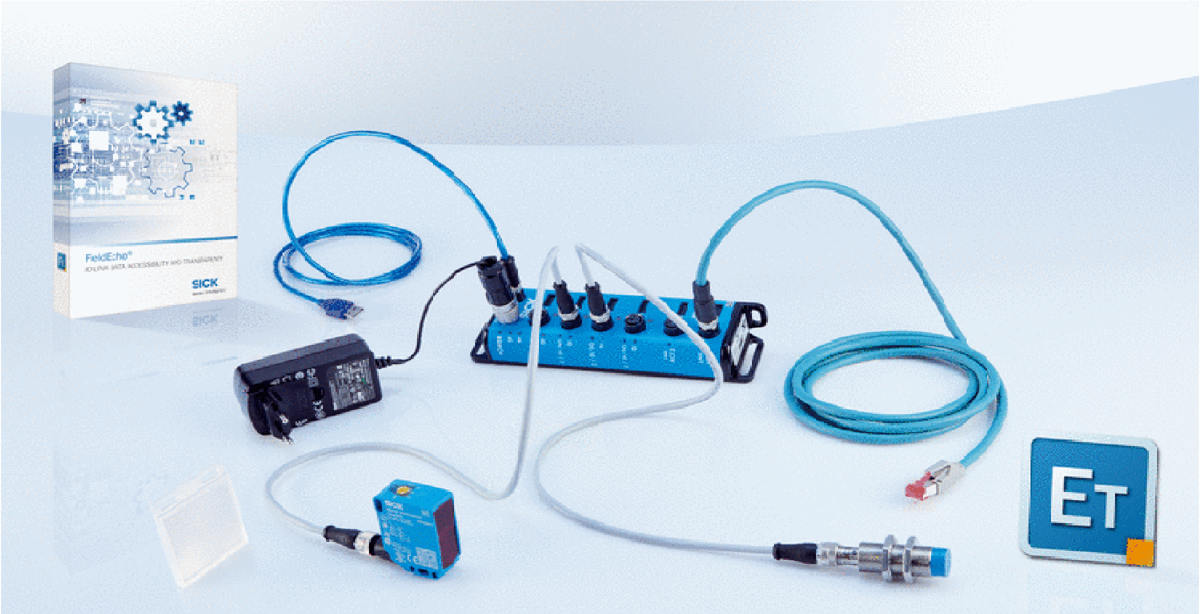
Supply Voltage 4.5...32V

Sick Sensor Integration Gateway Modules

Part Number	Description
SI1061790	IOLA2US-01101 SiLink2 Master Power Pack & USB Cable included
	* Select Suitable Cable to connect SiLink (M12 Male 4 Pin) to IO Link Device/Sensor (M12/M8 Female)

Part Number	Description
SI1089792	SIG100-0A0111100IO-Link, Connect up to 12 Standard I/O's, Use SOPAS For Config Individual Ports,
	Logic Editor via Drag & Drop, & USB Connect Option
SI1089796	SIG200-0A0512200IO-Link, Ethernet, Ethernet/IP, Integrated WebServer for easy configuration,
	Logic Editor available.
SI6051163	M8 4P-USB-A Shielded Programming Cable
SI2106182	M12 4P - RJ45 Ethernet Profinet 2mtr
SI2095608	M12 4P PUR 5mtr Female Straight Cable (Used For Power)





Sick SIG350 Sensor Integration Gateway

Product description

The SIG350 Sensor Integration Gateway is an IO-Link master that bundles and controls sensor communication via 8 IO-Link ports. The SIG350 allows for seamless integration and loss-free data transmission from the sensor to the cloud – and with reduced cabling work. The ports can be loaded with a maximum of 4 A in order to be able to integrate actuators with higher power requirements. The PROFINET, EtherNet/IP and EtherCAT industrial protocols are available for network communication. Thanks to IO-Link even during operation, an integrated web server allows for intuitive configuration of the IO-Link master as well as the connected sensors. Data exchange with cloud solutions is possible via the REST API, MQTT and OPC UA IIoT interfaces.

At a glance

- 8 IO-Link ports (M12; 5-pin; A-coded; Class A/B)
- Up to 16 A voltage supply at max. 2 A per port for U_S and U_A
- Rugged IP67 housing
- Operating temperature –30 °C ... +70 °C
- PROFINET, EtherNet/IP and EtherCAT available
- REST API, MQTT and OPC UA IIoT protocols can be used
- Rotary encoding switch for IP addressing

Your benefits

- Enables loss-free communication between a large number of sensors or actuators and the higher-level plant controller
- Simple and transparent data integration thanks to uniform wiring concept with IO-Link
- Innovative IO-Link ports that can be freely configured as Class A or Class B ports.
- Quick and innovative commissioning and parameterization via integrated web server
- INDUSTRIE 4.0 READY thanks to IIoT connection via REST API, MQTT and OPC UA

Fields of application

- Integration of IO-Link devices and digital switching signals in all areas of factory, logistics, and process automation
- Areas where sensors or actuators require class B ports
- Direct integration of IO-Link sensor and actuator data in IIoT landscapes

Part Number	Description	
SI6076923	SIG350-0005AP100	Sensor Integration Gateway Ethernet/Ethernet IP

SIG350-0005AP100 | SIG350

SENSOR INTEGRATION GATEWAY

Ethernet	✓
EtherNet/IP™	✓
Number of ports	2
Data transmission rate	10/100 MBit/s
Cycle time	≥ 1 ms
Addressing	BOOTP, DHCP, rotary switch; default: static IP address
Additional features	Quick connect
REST API	✓
Specification	JSON integration for IO-Link version (V1.0.0)
MQTT	✓
Specification	JSON integration for IO-Link version (V1.0.0)
OPC UA	✓
Specification	IO-Link Companion Specification Version (V1.0)
Operator interfaces	Web server integrated

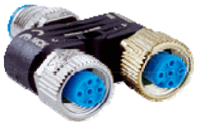
Sick SIG Accessories

Device Protection (Mechanical)

SI5309189	DOS-12SK	10 pieces, Protective cap for M12 socket or unused ports

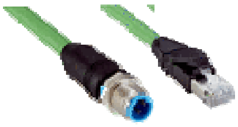
Distributors

SI2099600	YM2A15-00S01FY2A4	Head A: male connector, M12,5-pin,A-coded
		Head B: female connector, M12, 4-pin, A-coded
		Cable: Sensor/actuator cable



Plug Connectors & Cables

SI2099626	YF2L15-05UH1XLEAX	Head A: female connector, M12, 5-pin, straight, L-coded
		Head B: Flying leads
		Cable: Sensor/actuator cable, PUR, halogen-free, unshielded, 5m
SI2095997	YF2A14-010UB3M2A14	Head A: female connector, M12, 4-pin, straight, A-coded
		Head B: male connector, M12, 4-pin, straight, A-coded
		Cable: Sensor/actuator cable, PUR, halogen-free, unshielded, 1 m
SI2096001	YF2A14-050UB3M2A14	Head A: female connector, M12, 4-pin, straight, A-coded
		Head B: male connector, M12, 4-pin, straight, A-coded
		Cable: Sensor/actuator cable, PUR, halogen-free, unshielded, 5 m
SI2106182	YM2D24-020PN1MRJA4	Head A: male connector, M12, 4-pin, straight, D-coded
		Head B: male connector, RJ45, 4-pin, straight
		Cable: Ethernet, PROFINET, PUR, halogen-free, shielded, 2 m
SI2099599	YF2L15-020UH1XLEAX	Power Cable M12 5 Pin 2Mtr L-coded
SI2099626	YF2L15-050UH1XLEAX	Power Cable M12 5 Pin 5Mtr L-coded
SI2099627	YF2L15-100UH1XLEAX	Power Cable M12 5 Pin 10Mtr L-coded



Pressure Gauge Transmitters

PGS100-F-D4	PGS100.F.S9.A.1.A.B.Y.U.H-D4	Gauge transmitter, span limits 4-40 kPa, 316L SS Diaphragm
		silicone oil, 316L SS 1/2" NPT male connection
		316L SS M16 x 1.5 electrical connection, blacklit glass touch LCD display
PGS100-L-D4	PGS100.L.S9.A.1.A.B.Y.U.H-D4	Gauge transmitter, span limits25 -250 kPa, 316L SS Diaphragm
		silicone oil, 316L SS 1/2" NPT male connection
		316L SS M16 x 1.5 electrical connection, blacklit glass touch LCD display
PGS100-D-D4	PGS100.D.S9.A.1.A.B.Y.U.H-D4	Gauge transmitter, span limits 100-1000 kPa, 316L SS Diaphragm
		silicone oil, 316L SS 1/2" NPT male connection
		316L SS M16 x 1.5 electrical connection, blacklit glass touch LCD display
PGS100-K-D4	PGS100.K.S9.A.1.A.B.Y.U.H-D4	Gauge transmitter, span limits 400-4000 kPa, 316L SS Diaphragm
		silicone oil, 316L SS 1/2" NPT male connection
		316L SS M16 x 1.5 electrical connection, blacklit glass touch LCD display
PGS100-R-D4	PGS100.R.S9.A.1.A.B.Y.U.H-D4	Gauge transmitter, span limits 1000-10000 kPa, 316L SS Diaphragm
		silicone oil, 316L SS 1/2" NPT male connection
		316L SS M16 x 1.5 electrical connection, blacklit glass touch LCD display

Guided Radar Probes For Level Detection

Part Number	Series	Description
SI1057091	LFP2000-A4NMB	Guided Radar 2m, G3/4, M12 5pin
SI2065703	LFPCT-2000G1	Coax Tube 2m
SI2082150	BEF-FL-GEWG34-LFP1	Weld in Flange G3/4
SI2117229	BEF-PC-DISCBC-XFPC	Protective Cover - Clear
SI1052085	LFP2000-G1NMB	Inox Guided Radar Fluid Level Sensor 2m, G3/4, M12 5p
SI2067269	Stainless Steel Closed Cover	Cover closed for LFP Inox (No Display Window)
SI2122489	BEF-HA-SWFL54-LFP2	LFP Inox Welding Flange G3/4
SI2058824	BEF-HA-TCLI20-LFP1	2" Triclover with G3/4

Scalable Pressure Sensors

Part Number	Series	Description
SI6074224	PBS2-CB2X5SG1SSDQ5A0Z	PBS Plus -1-1.5 Bar G1/4
SI6073057	PBS2-RB1X0SG1SSDQ5A0Z	PBS Plus 0-1Bar G1/4
SI6074014	PBS2-RB6X0SG1SSDQ5A0Z	PBS Plus 0-6 Bar G1/4
SI6074015	PBS2-RB010SG1SSDQ5A0Z	PBS Plus 0-10 Bar G1/4
SI6074016	PBS2-RB016SG1SSDQ5A0Z	PBS Plus 0-16 Bar G1/4
SI6074017	PBS2-RB025SG1SSDQ5A0Z	PBS Plus 0-25 Bar G1/4
SI6073815	PBS2-CB2X5SF2FSDQ5A0Z	PBS Plus -1-1.5 Bar G1/2 Flush
SI6074059	PBS2-RB2X5SF2FSDQ5A0Z	PBS Plus 0-2.5 Bar G1/2 Flush
SI6074061	PBS2-RB6X0SF2FSDQ5A0Z	PBS Plus 0-6 Bar G1/2 Flush
SI6073060	PBS2-RB010SF2FSDQ5A0Z	PBS Plus 0-10 Bar G1/2 Flush
SI6074062	PBS2-RB016SF2FSDQ5A0Z	PBS Plus 0-16 Bar G1/2 Flush
SI6074063	PBS2-RB025SF2FSDQ5A0Z	PBS Plus 0-25 Bar G1/2 Flush

Fixed Pressure Sensors

Part Number	Series	Description
SI6049043	PBT-CB1X0SG4SS0AMA0Z	PBT -1-0 BAR G1/4 M12 4P, 4-20mA
SI6038716	PBT-RB1X0SG1SSNAMA0Z	PBT 0-1 BAR G1/4 M12 4P, 4-20mA
SI6041617	PBT-RB6X0SG1SSNAMA0Z	PBT 0-6 BAR G1/4 M12 4P, 4-20mA
SI6038615	PBT-RB010SG1SSNAMA0Z	PBT 0-10 BAR G1/4 M12 4P, 4-20mA
SI6041519	PBT-RB016SG1SSNAMA0Z	PBT 0-16 BAR G1/4 M12 4P, 4-20mA
SI6038640	PBT-RB025SG1SSNAMA0Z	PBT 0-25 BAR G1/4 M12 4P, 4-20mA

Fixed Pressure Sensors

Part Number	Series	Description
SI6063250	PBT-CB1X0SG4SS0VMC0Z	PBT -1-0 BAR G1/4 M12 4P, 0-10V
SI6038627	PBT-RB1X0SG1SSNVMC0Z	PBT 0-1 BAR G1/4 M12 4P, 0-10V
SI6039039	PBT-RB6X0SG1SSNVMC0Z	PBT 0-6 BAR G1/4 M12 4P, 0-10V
SI6038638	PBT-RB010SG1SSNVMC0Z	PBT 0-10 BAR G1/4 M12 4P, 0-10V
SI6039769	PBT-RB016SG1SSNVMC0Z	PBT 0-16 BAR G1/4 M12 4P, 0-10V
SI6038642	PBT-RB025SG1SSNVMC0Z	PBT 0-25 BAR G1/4 M12 4P, 0-10V
SI6041748	PBT-CB1X0SG1SSNALA0Z	PBT -1-0.6 BAR G1/4 DIN L Connection, 4-20mA
SI6041998	PBT-RB1X0SG1SSNALA0Z	PBT 0-1 BAR G1/4 DIN L Connection, 4-20mA
SI6041707	PBT-RB6X0SG1SSNALA0Z	PBT 0-6 BAR G1/4 DIN L Connection, 4-20mA
SI6040974	PBT-RB010SG1SSNALA0Z	PBT 0-10 BAR G1/4 DIN L Connection, 4-20mA
SI6041049	PBT-RB016SG1SSNALA0Z	PBT 0-16 BAR G1/4 DIN L Connection, 4-20mA
SI6041704	PBT-RB025SG1SSNALA0Z	PBT 0-25 BAR G1/4 DIN L Connection, 4-20mA
SI6043989	PBT-RB1X0SG1SSNVLC0Z	PBT 0-1 BAR G1/4 DIN L Connection, 0-10V
SI6049656	PBT-RB6X0SG1SENVLC0Z	PBT 0-6 BAR G1/4 DIN L Connection, 0-10V
SI6042101	PBT-RB010SG1SSNVLC0Z	PBT 0-10 BAR G1/4 DIN L Connection, 0-10V
SI6042033	PBT-RB016SG1SSNVLC0Z	PBT 0-16 BAR G1/4 DIN L Connection, 0-10V
SI6043988	PBT-RB025SG1SSNVLC0Z	PBT 0-25 BAR G1/4 DIN L Connection, 0-10V

Capacitive Fluid Level Sensor

Part Number	Series	Description
SI6073811	LFC-XXSGTM	Capacitive Fixed Point Level Sensor M12 4 Pin
		G1/2 A Thread -20...+100c IP 67/69

Inductive Proximity Switches

Item Number	Part Number	Dimension	Install	Range	Connect.	PNP/NPN	NO/NC
Cylindrical - Ø 8mm							
BABES060N*	BES M08ZE1-PSC20B-S49G	Ø 8 x 45 mm	flush	2 mm	M8, 3-Pin	PNP	NO
BABES003P	BES M08MI-PSC20B-S49G	Ø 8 x 60 mm	flush	2 mm	M8, 3-Pin	PNP	NO
BABES002U	BES M08MI-NSC20B-S49G	Ø 8 x 59 mm	flush	2 mm	M8, 3-Pin	NPN	NO
Cylindrical - Ø 12mm							
BABES060R*	BES M12ZE-PSC40B-S04G	Ø 12 x 45 mm	flush	4 mm	M12	PNP	NO
BABES005N	BES M12MI-POC40B-S04G	Ø 12 x 65 mm	flush	4 mm	M12	PNP	NC
BABES0068	BES M12MI-PSC40B-S04G	Ø 12 x 65 mm	flush	4 mm	M12	PNP	NO
BABES004K	BES M12MG-POC80F-S04G	Ø 12 x 60 mm	non-flush	8 mm	M12	PNP	NC
BABES004N	BES M12MG-PSC80F-S04G	Ø 12 x 60 mm	non-flush	8 mm	M12	PNP	NO
BABES004Z	BES M12MI-NOC40B-S04G	Ø 12 x 65 mm	flush	4 mm	M12	NPN	NC
BABES0059	BES M12MI-NSC40B-S04G	Ø 12 x 65 mm	flush	4 mm	M12	NPN	NO
Cylindrical - Ø 18mm							
BABES060P*	BES M18ZE-PSC80B-S04G	Ø 18 x 45 mm	flush	8 mm	M12	PNP	NO
BABES03RP	BES M18MI-POC80B-S04G	Ø 18 x 66 mm	flush	8 mm	M12	PNP	NC
BABES008L	BES M18MI-PSC80B-S04G	Ø 18 x 66 mm	flush	8 mm	M12	PNP	NO
BABES03RL	BES M18MG-POC16F-S04G	Ø 18 x 66 mm	non-flush	16 mm	M12	PNP	NC
BABES03RM	BES M18MG-PSC16F-S04G	Ø 18 x 66 mm	non-flush	16 mm	M12	PNP	NO
BABES0077	BES M18MI-NOC80B-S04G	Ø 18 x 66 mm	flush	8 mm	M12	NPN	NC
BABES007L	BES M18MI-NSC80B-S04G	Ø 18 x 66 mm	flush	8 mm	M12	NPN	NO
Cylindrical - Ø 30mm							
BABES009J	BES M30MI-NSC10B-BV03	Ø 30 x 56 mm	flush	10 mm	M12	NPN	NO
BABES00AF	BES M30MI-PSC15B-S04G	Ø 30 x 56 mm	flush	15 mm	M12	PNP	NO
BABES03RE	BES M30MM-PSC30F-S04G	Ø 30 x 83 mm	non-flush	30 mm	M12	PNP	NO
Cuboidal - 40 x 40mm							
BABES0202	BES 517-132-M3-H-S4	132.5 x 40 x 40 mm	flush	15 mm	M12	PNP	NO/NC
BABES020E	BES 517-132-M7-H-S4	132.5 x 40 x 40 mm	non-flush	40 mm	M12	PNP	NO/NC
BABES0201	BES 517-132-M3-H	120 x 40 x 40 mm	flush	15 mm	Terminals	PNP	NO/NC
BABES020C	BES 517-132-M7-H	120 x 40 x 40 mm	non-flush	40 mm	Terminals	PNP	NO/NC

Testing

Item Number	Part Number	Description
Sensor Tester		
BABAE00WH	BAE TO-XE-012-01	For testing 3-wire PNP/NPN sensors, rechargable battery included 3-wire sensor DC PNP/NPN

Inductive Proximity Switches - Multi-voltage (20...275 VDC/20...253 VAC)

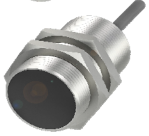
Cylindrical - Ø 12mm

Item Number	Part Number	Dimension	Install	Range	Connect.	Output	NO/NC
BABES05ZM	BES M12MI-UST40B-BV02	Ø 12 x 50 mm	flush	4 mm	2m Cable	2-wire	NO

Cylindrical - Ø 18mm

Item Number	Part Number	Dimension	Install	Range	Connect.	Output	NO/NC
BABES05ZP	BES M18MI-UST50B-BV02	Ø 18 x 50 mm	flush	5 mm	2m Cable	2-wire	NO

Cylindrical - Ø 30mm



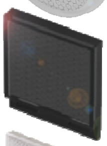
Item Number	Part Number	Dimension	Install	Range	Connect.	Output	NO/NC
BABES05ZT	BES M30MI-UST10B-BV02	Ø 30 x 50 mm	flush	10 mm	2m Cable	2-wire	NO

Cuboidal - 40 x 40mm

Item Number	Part Number	Dimension	Install	Range	Connect.	Output	NO/NC
BABES05YW	BES Q40KU-UPU20B-KM20	40 x 40 x 118 mm	flush	20 mm	Terminals	2-wire	NO/NC
BABES05YZ	BES Q40KU-UPU40F-KM20	40 x 40 x 118 mm	flush	40 mm	Terminals	2-wire	NO/NC

Accessories

Reflectors



Item Number	Part Number	Dimension	Type	Mounitng	Colour
BABAM00UW	BOS R-2	Ø 46 x 6.5 mm	Cube corner 2.5 mm	Adhesive required	White
BABAM00WL	BOS R-9	51 x 61 x 8 mm	Cube corner 4 mm	2 x M4 mouniting holes	Black
BABAM00UL	BOS R-11	84 x 84 x 9.1 mm	Cube corner 4 mm	2 x M3 mouniting holes	White
BABAM01JN	BOS R-47	100 x 100 x 9.2 mm	Cube corner 4 mm	2 x M3 mouniting holes	White

Universal Brackets

Item Number	Part Number	Dimension	Type	Mounitng	Colour
BABAM009U	BES 08-HW-1	25 x 30 x 30 mm	For M8sensors	Slotted for adjustment	Alumin
BABAM00C0	BES 12-HW-1	25 x 30 x 30 mm	For M12 sensors	Slotted for adjustment	Alumin
BABAM00EY	BES 18-HW-1	30 x 40 x 40 mm	For M18 sensors	Slotted for adjustment	Alumin
BABAM00HH	BES 30-HW-1	40 x 40 x 60 mm	For M30 sensors	Slotted for adjustment	Alumin

Photoelectric Bracket

Item Number	Part Number	Dimension	Type	Mounitng	Colour
BABAM01FK	BAM MB-XO-006-B05-4	25 x 40 x 64.5 mm r	23K sensors ıstable axes	2 adjustable axes	

Retroreflective Photoelectric

Item Number	Part Number	Dimension	Range	Light Type	Connect.	PNP/NPN	NO/NC
Cylindrical - Ø 30mm (18M)							
BABOS01CE	BOS 18M-PA-PR20-S4	Ø 18 x 75 mm	0...7 m	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - Hybrid with M18 Bullnose (R81K)							
BABOS0294	BOS R81K-PA-PR10-S4	15 x 48.9 x 31 mm	0...3 m	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - 2" Square (23K)							
BABOS01FN	BOS 23K-PA-RR10-S4	23 x 51 x 52.4 mm	0...14 m	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - 25 x 69.7 x 100.4mm (64K) Relay 24...60 VDC/24...240VAC							
BABOS01K3	BOS 64K-AA-PR10-TG	25 x 69.7 x 100.4mm	0...10 m	LED red light	Screw Terminals	Relay	NO/NC

Diffuse Photoelectric

Item Number	Part Number	Dimension	Range	Light Type	Connect.	Output	
Cylindrical - Ø 30mm (18M)							
BABOS014W *	BOS 18M-PA-RH22-S4	Ø 18 x 75 mm	30...300 mm	LED red light	M12, 4-pin	PNP	NO/NC
BABOS01CF	BOS 18M-PA-RD20-S4	Ø 18 x 75 mm	0...600 mm	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - Hybrid with M18 Bullnose (R81K)							
BABOS029E	BOS R81K-PA-RH10-S4	15 x 48.9 x 31 mm	100 mm	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - 2" Square (23K)							
BABOS01FL *	BOS 23K-PA-RH10-S4	23 x 51 x 52.4 mm	3...800 mm	LED red light	M12, 4-pin	PNP	NO/NC
BABOS01UW	BOS 23K-UU-LH11-S92	23 x 51 x 52.4 mm	0...5 m	Laser red light	M12, 5-pin	PNP/NPN	NO/NC
Cubical - 25 x 69.7 x 100.4 mm (64K) Relay 24...60 VDC/24...240 VAC							
BABOS01K1 *	BOS 64K-AA-IH12-TG	25x69.7x100.4mm	50...2000mm	Infrared	Screw terminals	Relay	NO/NC
BABOS01K2	BOS 64K-AA-ID10-TG	25x69.7x100.4mm	50...2000 mm	Infrared	Screw terminals	Relay	NO/NC

**** with background supression***

Through-Beam Photoelectric

Item Number	Part Number	Dimension	Range	Light Type	Connect.	Output	
Cylindrical - Ø 30mm (18M)							
BABOS0258	BOS 18M-X-RS21-S4	Ø 18 x 75 mm	0...20 m	LED red light	M12, 4-pin	-	-
BABOS025A	BOS 18M-PA-RE21-S4	Ø 18 x 75 mm	0...20 m	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - Hybrid with M18 Bullnose (R81K)							
BABOS028Y	BOS R81K-X-IS10-S4	15 x 48.9 x 31 mm	0.3...20 m	Infrared	M12, 4-pin	-	-
BABOS0290	BOS R81K-PA-IE10-S4	15 x 48.9 x 31 mm	0.3...20 m	Infrared	M12, 4-pin	PNP	NO/NC
Cubical - 2" Square (23K)							
BABOS016E	BOS 23K-XT-RS11-S4	23 x 51 x 52.4 mm	0...25 m	LED red light	M12, 4-pin	-	-
BABOS01FP	BOS 23K-PA-RE10-S4	23 x 51 x 52.4 mm	0...25 m	LED red light	M12, 4-pin	PNP	NO/NC
Cubical - 25 x 69.7 x 100.4 mm (64K) Relay 24...60 VDC/24...240 VAC							
BABOS01K5	BOS 64K-AA-IS10-TG	25x69.7x100.4mm	0...50m	Infrared	Screw Terminals		
BABOS01K4	BOS 64K-AA-IE10-TG	25x69.7x100.4mm	0...50m	Infrared	Screw Terminals	Relay	NO/NC

Cables

Single Ended - M8 3-Pin

Item Number	Part Number	Connector	Material	Cores	Conductor Size	Length
BABCC02M9	BCC M313-0000-10-001-PX0334-050	M8, 3-Pin	Straight	3	0.34 mm²	5 m
BABCC02MM	BCC M323-0000-10-001-PX0334-050	M8, 3-Pin	Angled	3	0.34 mm²	5 m

Single Ended - M8 4-Pin

Item Number	Part Number	Connector	Material	Cores	Conductor Size	Length
BABCC02N3	BCC M314-0000-10-003-PX0434-050	M8, 4-Pin	Straight	4	0.34 mm²	5 m
BABCC02NE	BCC M324-0000-10-003-PX0434-050	M8, 4-Pin	Angled	4	0.34 mm²	5 m

Single Ended - M12

Item Number	Part Number	Connector	Material	Cores	Conductor Size	Length
BABCC032F	BCC M415-0000-1A-003-PX0434-020	M12, 4-Pin	Straight	4	0.34 mm²	2 m
BABCC032Y	BCC M425-0000-1A-003-PX0434-020	M12, 4-Pin	Angled	4	0.34 mm²	2 m
BABCC032H	BCC M415-0000-1A-003-PX0434-050	M12, 4-Pin	Straight	4	0.34 mm²	5 m
BABCC032Z	BCC M425-0000-1A-003-PX0434-050	M12, 4-Pin	Angled	4	0.34 mm²	5 m
BABCC032J	BCC M415-0000-1A-003-PX0434-100	M12, 4-Pin	Straight	4	0.34 mm²	10 m
BABCC0330	BCC M425-0000-1A-003-PX0434-100	M12, 4-Pin	Angled	4	0.34 mm²	10 m
BABCC098C	BCC M415-0000-1A-017-PX0534-050	M12, 5-Pin	Straight	5	0.34 mm²	5 m
BABCC08FC	BCC M425-0000-1A-017-PX0534-050	M12, 5-Pin	Angled	5	0.34 mm²	5 m
BABCC08KP	BCC M415-0000-1A-016-PS0525-050	M12, 5-Pin	Straight	5, Shielded	0.25 mm²	5 m

Double Ended

Item Number	Part Number	Connector	Material	Cores	Conductor Size	Length
BABCC039P	BCC M415-M414-3A-304-PX0434-050	M12, 4-Pin	Straight	4	0.34 mm²	5 m
BABCC09FN	BCC M415-M415-3A-312-PX0534-010	M12, 4-Pin	Straight	5	0.34 mm²	1m
BABCC09FU	BCC M415-M415-3A-312-PX0534-050	M12, 5-Pin	Straight	5	0.34 mm²	5 m

Bulk Cable

Item Number	Part Number	Connector	Material	Cores	Conductor Size	Length
BABCC0AC8	BCC 0000-0000-00-000-PX0434-10X	-	-	4	0.34 mm²	100 m
BABCC0AC9	BCC 0000-0000-00-000-PX0534-10X	-	-	5	0.34 mm²	100 m

Field Attachable Connectors

M8 3-Pin

Item Number	Part Number	Connector	Cores	Cable Ø	Conductor Size
BABCC0E7N	BCC M333-0000-20-000-31X350-000-C027	Screw terminals	3	2.2...3.5 mm	14...0.5 mm²
BABCC06Z1	BCC M333-0000-10-000-31X350-000	Screw terminals	3	3.5...5 mm	14...0.5 mm²

M8 4-Pin

Item Number	Part Number	Connector	Cores	Cable Ø	Conductor Size
BABCC06Z7	BCC M334-0000-20-000-31X450-000	Screw terminals	4	3.5...5 mm	14...0.5 mm²
BABCC06Z5	BCC M334-0000-10-000-31X450-000	Screw terminals	4	3.5...5 mm	14...0.5 mm²

M12

Item Number	Part Number	Connector	Cores	Cable Ø	Conductor Size
BABCC06M4	BCC M434-0000-2A-000-41X475-000	Screw terminals	4	4...6 mm	4...0.75 mm²
BABCC06Z9	BCC M435-0000-1A-000-41X475-000	Screw terminals	4	4...6 mm	4...0.75 mm²

Ultrasonic Sensors

Programable with Display - Digital Output

Item Number	Part Number	Range	Output	Connection	Style Housing
BABUS003P	BUS M30M1-PPX-35/340-S92K	350...5000 mm	PNP (NO/NC)	M12, 5-pin	Ø 47.5 mm
BABUS0039	BUS M30M1-PPX-20/130-S92K	200...2000 mm	PNP (NO/NC)	M12, 5-pin	Ø 30 mm

Programable with Display - Analogue Output

BABUS003T	BUS M30M1-XC-35/340-S92K	350...5000 mm	0-10 V / 4-20 mA	M12, 5-pin	Ø 47.5 mm
BABUS002N	BUS M30M1-XC-03/025-S92K	30...350 mm	0-10 V / 4-20 mA	M12, 5-pin	Ø 30 mm

Temperature Sensors

Programable with Display

Item Number	Part Number	Range	Output	Connection	Measuring Element	Process Connection
BABFT0013	BFT 6050-HV003-A02A0C-S4	20...80 °C	Out 1=PNP/NPN/IO-Link Out 2=PNP/NPN/ 4...20 mA/0...10 V	M12, 4-pin	Pt1000	G 1/2", 50 mm probe

Fixed without Display

BABFT0006	BFT 6050-DX002-A06A1A-S4	-30...150 °C	4-20 mA	M12, 4-pin	Pt1000	G 1/4", 50 mm probe

Pressures Sensors

Programable with Display

Item Number	Part Number	Range	Output	Connection	Pressure Rating	Process Connection
BABSP00Y4	BSP B010-EV009-P00S2B-S4	0...10 bar	Out 1=PNP Out 2=PNP/4...20 mA	M12, 4-pin	20 bar O/L, 35 bar Burst	G 1/4" Female

Fixed without Display

BABSP00H1	BSP B010-DV004-A06A1A-S4	0...10 bar	4-20 mA	M12, 4-pin	20 bar O/L, 35 bar Burst	G 1/4" Male

Brady Printers & Accessories - M610 & 710

M610 - The Durability Your Work Demands

Portable just got more powerful: Get the job done right in the facility or in the field.

CAUTIO
BRADY M610
CAUTION

Get more with these time-saving features:

- 2 in (50.8 mm) per second print speed
- Enhanced gen3 li-ion battery
- Store and import data files from USB thumb drive
- Import and save files, lists and graphics
- Design and print labels using a keypad, mobile app or desktop software
- Prints text, barcodes, shapes and images

Do more with enhanced capabilities

- Print 4,500 labels on a full charge
- Wider 0º-115ºf (-17.8º – 46.1ºc) operating temp. Range
- 6 ft (1.8 m) drop military grade shock resistance

M710 - Brady's Fastest, Most Advanced Portable Yet

More speed... Less mess... Print at 76.2mm per second & cut labels automatically.

BRADY M710
RW15
RW1

One device. 100s of applications.

- Print on the toughest label materials around.
- Get more with these time-saving features:
- 3 in (76.2 mm) per second print speed
- Label saving, sharing and data imports
- Use keypad or software to print labels
- Withstands 4 ft (1.2 m) drops, blowing sand and dust
- Prints text, barcodes, shapes and images
- Prints 4,500 labels on a single charge with li-ion battery

Get more done with:

- Lightning-fast print speeds
- Shop-to-field flexibility
- More than 60 material & custom label options

Printer Kits

Part no.	Description	
BR880972	M610-KIT	M610 Printer Kit
BR880974	M610-B-KIT	M610 Printer with Bluetooth Kit
BR701442	M610-B-BWS-KIT	M610 Printer with Bluetooth Kit with Brady Workstation Kit
BR880995	M710-KIT	M710 Printer Kit
BR880996	M710 -WB-KIT	M710 Wi-Fi and Bluetooth Printer Kit
BR7031435	M710-WB-BWS-KIT	M710 Wi-Fi and Bluetooth Printer with Brady Workstation Kit

BRADY
LABEL PRINTER

BRADY
LABEL PRINTER

Ribbons

M610	M710	Description		
BR148129	BR173193	WAX-RESIN BLACK	R-4310 / R4300	Self-Lam / Permasleeve
BR148128	BR173191	RESIN BLACK	R-6610 / R6000	Eprep / Vinyl / Durasleeve
BR148130	BR173190	RESIN BLACK	R-6210 / R6200	Bradysleeve
BR148133	BR173184	RESIN BLUE	R-4410 / R6900	Eprep
BR148132	BR173181	RESIN RED	R-4410 / R6900	Eprep
BR148131	BR173192	RESIN WHITE	R-4410 / R4400	Eprep

Brady Accessories - M610 & 710

Durasleeve Carriers

M610 & M710	Description				
BR13255	DMC-1.3 / 3-15	CARRIER	1.3 - 3mm Cable	15mm	B/1000
BR13256	DMC-2.5 / 5-15	CARRIER	2.5 - 5mm Cable	15mm	B/1000
BR13258	DMC-4 / 10-15	CARRIER	4 - 10mm Cable	15mm	B/500
BR13259	DMC-8 / 16-15	CARRIER	8 - 16mm Cable	15mm	B/500
BR13262	DMC-1.3 / 3-30	CARRIER	1.3 - 3mm Cable	30mm	B/500
BR13263	DMC-2.5 / 5-30	CARRIER	2.5 - 5mm Cable	30mm	B/500
BR13265	DMC-4 / 10-30	CARRIER	4 - 10mm Cable	30mm	B/200
BR13266	DMC-8 / 16-30	CARRIER	8 - 16mm Cable	30mm	B/200

Durasleeve Inserts (B-390)

M610	M710	Description				
BR880877	BR880873	INSERT	15mm x 4mm		15mm	B/300
BR880879	BR880879	INSERT	15mm x 4mm	BULK ROLL	15mm	B/3000
BR880878	BR880874	INSERT	30mm x 4mm		30mm	B/300
BR880880	BR880880	INSERT	30mm x 4mm	BULK ROLL	30mm	B/3000

Vinyl Tape (B-439/595)

M610	M710	Description	
BR174308	BR173272	B-439/595 Indoor/Outdoor Vinyl Tape WHITE 25mm x 15mtrs	Roll
BR174318	BR173241	B-439/595 Indoor/Outdoor Vinyl Tape WHITE 50mm x 15mtrs	Roll
BR174314	BR173271	B-439/595 Indoor/Outdoor Vinyl Tape YELLOW 25mm x 15mtrs	Roll
BR174324	BR173240	B-439/595 Indoor/Outdoor Vinyl Tape YELLOW 50mm x 15mtrs	Roll
BR174313	BR173275	B-439/595 Indoor/Outdoor Vinyl Tape RED 25mm x 15mtrs	Roll
BR174323	BR173244	B-439/595 Indoor/Outdoor Vinyl Tape RED 50mm x 15mtrs	Roll

Self Laminating Label (B-427)

M610	M710	Description	
BR174221	BR173399	M71-19-427 25x 25mm Cable Diameter 5.30mm	R/250
BR174275	BR173378	M71-31-427 25x 38mm Cable Diameter 6.64mm	R/250
BR174236	BR173345	M71-21-427 25x 64mm Cable Diameter 11.06mm	R/100

Push Button Label

M610	M710	Description	
BR312120	BR312019	M71EP-5-7593-WT 30 x 40mm Label To Suit 22.5mm P/Button WHITE	R/100

Foam Backed Raised Eprep Label

M610	M710	Description	
BR312072	BR312008	M71EP-1-7593-WT Foam Backed Label 8 x 27mm Wide WHITE	R/250
BR312040	BR312028	M71EP-8-7593-WT Foam Backed Label 19 x 48mm Wide WHITE	R/100

Brady Printers & Accessories - M210 & 211

M210 - Meet the Demands of On-Site Labelling

Rugged, reliable and ready for the toolbox so you can quickly and easily print labels anywhere

The tough, intuitive labeller that belongs on any job site

- Create and print with a built-in keypad
- 11 pre-loaded application design guides
- Ability to create upc, datamatrix and qr codes
- Store up to 12 label files up to 2mb
- Prints up to 2,000 on a single charge with a li-ion battery pack
- Onboard label material gauge

Print the way you work

- Custom design guides
- Choose from 90+ easy-to-load cartridges
- Built to withstand tough job sites

M211 – Design, Preview & Print - All From Your Phone

Bluetooth enabled, so you can get the job done right from Brady's industry-leading mobile app

Label creation is just a tap away For on-the-go printing

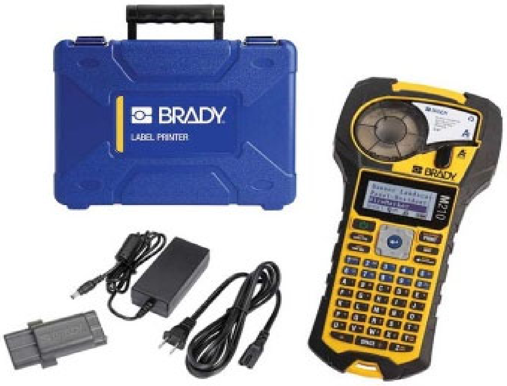
- 20+ barcode/qr code types, 85 fonts and over 1400 symbols
- Resists 6 ft (1.8m) drops, 250 lb (113kg) crushes and military-grade shocks
- 90+ cartridges and 12 material types
- Keep work moving with label design guides
- Print up to 300 labels on a full charge with an internal li-ion battery
- Auto label cutter

Printing optimised for mobile

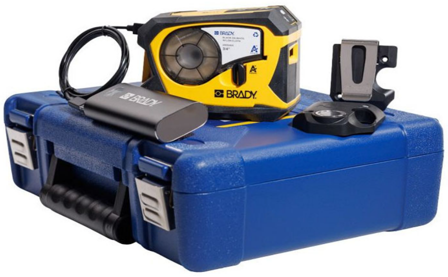
- Design on screen
- Print on demand
- Label on site

Printer Kits

Part No.	Description	
BR152260	M210	Printer Only (No Battery Pack)
BR881720	M210-KIT	M210 Printer Kit



Part No.	Description	
BR880345	M211	Printer Only (No Battery Pack)
BR881721	M211-KIT	M211 Printer Kit



All-Weather Vinyl (B-595)

Part No.	Description	Colour	Width (mm)	Length (mm)	Labels per roll
BR139744	M21-250-595-WT	Black on White	6.35	6.4	1 roll (cont.)
BR142800	M21-375-595-WT	Black on White	9.53	6.4	1 roll (cont.)
BR142807	M21-500-595-WT	Black on White	12.7	6.4	1 roll (cont.)
BR142797	M21-750-595-WT	Black on White	19.05	6.4	1 roll (cont.)
BR176809	M21-11-595-WT	Black on White	19.05	12.7	140
BR176810	M21-131-595-WT	Black on White	25.4	12.7	121
BR176811	M21-18-595-WT	Black on White	25.4	19.05	121
BR176812	M21-136-595-WT	Black on White	38.1	19.05	91
BR176813	M21-137-595-WT	Black on White	50.8	19.05	73

OPERATOR PL
OPEN TO ACCESS GREASE FITTING

Aggressive Adhesive Nylon Labels (B-499)

Part No.	Description	Colour	Width (mm)	Length (mm)	Labels per roll
BR110893	M21-375-499	Black on White	9.53	4.88	1 roll (cont.)
BR110894	M21-500-499	Black on White	12.7	4.88	1 roll (cont.)
BR110895	M21-750-499	Black on White	19.05	4.88	1 roll (cont.)
BR152090	M21-11-499	Black on White	19.05	12.7	140
BR152091	M21-131-499	Black on White	25.4	12.7	121
BR152092	M21-18-499	Black on White	25.4	12.7	121
BR152093	M21-136-499	Black on White	38.1	12.7	91
BR152094	M21-137-499	Black on White	50.8	12.7	73

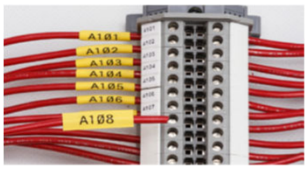
Self-Laminating Vinyl Wrap Around (B-427)

Part No.	Description	Colour	Width (mm)	Length (mm)	Printable Wid (mm)	Max. Wire ø (mm)
BR110927	M21-750-427	Black on White	19.05	4.3	9.53	3
BR110928	M21-1000-427	Black on White	25.4	4.3	9.53	5.1
BR110929	M21-1250-427	Black on White	31.75	4.3	9.53	5.7
BR110930	M21-1500-427	Black on White	38.1	4.3	9.53	8

XFC083-S
GMXFC081

Aggressive Adhesive Nylon Labels (B-499)

Part No.	Description	Colour	Width (mm)	Length (mm)	Printable Wid (mm)	Max. Wire ø (mm)
BR110923	M21-125-C-342	Black on White	5.97	2.13	1.17	2.79
BR110924	M21-187-C-342	Black on White	8.51	2.13	1.57	3.81
BR110925	M21-250-C-342	Black on White	11.15	2.13	2.39	5.46
BR110926	M21-375-C-342	Black on White	16.3	2.13	3.18	8.13



Terminal/Junction Box KL

Material:
– Enclosure: Sheet steel
– Cover: Sheet steel, all-round foamed-in PU seal
Surface finish:
– Enclosure and cover: Dipcoat primed, powder-coated on the outside, textured paint
Supply includes:
– Enclosure with cover
– Quick-release fastener including plastic bushes
Colour:
– RAL 7035
Protection category IP to IEC 60 529:
– IP 66 (*IP 55)
Protection category NEMA:
– NEMA 4 (* NEMA 12)
IK Code:
– IK08

Without Gland Plate		With Gland Plate	Width	Height	Mounting
D=80mm	D=120mm	D=120mm	(mm)	(mm)	Plate
RI1514510	RI1500510	-	150	150	RI1560700
RI1528510	RI1529510	-	200	150	RI1575700
RI1516510	RI1502510	-	200	200	RI1562700
RI1515510	RI1501510	*RI1530510	300	150	RI1561700
RI1517510	RI1503510	*RI1531510	300	200	RI1563700
-	RI1507510	*RI1535510	300	300	RI1567700
-	RI1589510	-	400	150	RI1576700
RI1518510	RI1504510	*RI1532510	400	200	RI1564700
-	RI1508510	*RI1536510	400	300	RI1568700
-	RI1511510	*RI1539510	400	400	RI1571700
-	RI1505510	*RI1533510	500	200	RI1565700
-	RI1509510	*RI1537510	500	300	RI1569700
RI1519510	RI1506510	*RI1534510	600	200	RI1566700
-	RI1512510	*RI1540510	600	400	RI1572700
-	RI1527510	*RI1542510	800	200	RI1574700
-	RI1513510	*RI1541510	800	400	RI1573700

AE Series - Powder-Coated Mild Steel

Material:
- Enclosure: Sheet steel
- Door: Sheet steel, all-round foamed in PU seal

Surface finish:
- Enclosure and door: Dipcoat primed, powder-coated on the outside, textured paint
- Mounting plate: Zinc-plated

Supply includes:
- Enclosure with hinged door(s), of all-round solid construction
- Gland plate(s) in enclosure base
- Mounting plate
- Lock: 3mm double-bit
- 3-point lock system is included for enclosures≥1200 high

Colour:
- RAL 7035

Protection category IP to IEC 60 529:
- IP 66 (*IP 55)

Protection category NEMA:
- NEMA 4 (*NEMA 12)

IK Code:
- IK08

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	IP	Doors
RI1032500*	AE 1032.500	200	300	120	IP 55	1
RI1035500*	AE 1035.500	200	300	155	IP 55	1
RI1033500	AE 1033.500	300	300	210	IP 66	1
RI1034500	AE 1034.500	300	400	210	IP 66	1
RI1030500	AE 1030.500	380	300	155	IP 66	1
RI1031500	AE 1031.500	380	300	210	IP 66	1
RI1038500	AE 1038.500	380	600	210	IP 66	1
RI1338500	AE 1338.500	380	600	350	IP 66	1
RI1380500	AE 1380.500	380	380	210	IP 66	1
RI1045500	AE 1045.500	400	500	210	IP 66	1
RI1050500	AE 1050.500	500	500	210	IP 66	1
RI1057500	AE 1057.500	500	700	250	IP 66	1
RI1350500	AE 1350.500	500	500	300	IP 66	1
RI1039500	AE 1039.500	600	380	210	IP 66	1
RI1054500	AE 1054.500	600	600	250	IP 66	1
RI1058500	AE 1058.500	600	800	250	IP 66	1
RI1060500	AE 1060.500	600	600	210	IP 66	1
RI1076500	AE 1076.500	600	760	210	IP 66	1
RI1090500	AE 1090.500	600	1,000	250	IP 66	1
RI1260500	AE 1260.500	600	1,200	300	IP 66	1
RI1339500	AE 1339.500	600	380	350	IP 66	1
RI1360500	AE 1360.500	600	600	350	IP 66	1
RI1376500	AE 1376.500	600	760	350	IP 66	1
RI1073500	AE 1073.500	760	760	300	IP 66	1
RI1077500	AE 1077.500	760	760	210	IP 66	1
RI1055500	AE 1055.500	800	600	300	IP 66	1
RI1180500	AE 1180.500	800	1,000	300	IP 66	1
RI1280500	AE 1280.500	800	1,200	300	IP 66	1
RI1100500*	AE 1100.500	1,000	760	210	IP 55	2
RI1110500*	AE 1110.500	1,000	1,000	300	IP 55	2
RI1114500*	AE 1114.500	1,000	1,400	300	IP 55	2
RI1130500*	AE 1130.500	1,000	760	300	IP 55	2
RI1213500*	AE 1213.500	1,000	1,200	300	IP 55	2

AE Series - Stainless Steel (304)

Material:
– Enclosure: Stainless steel
– Door: Stainless steel, all-round foamed-in PU seal
– Mounting plate: Sheet steel
– Stainles steel 1.4301 (AISI 304)
– Lock insert: Die-cast zinc, nickel-plated
Surface finish:
– Enclosure and door: Brushed, grain 400, peak-to-valley height < 0.8µm
– Mounting plate: Zinc-plated
Supply includes:
– Enclosure with door(s)
– Mounting plate
– Lock: 3mm double-bit
– 3-point lock system is included for enclosures≥1200 high
Protection category IP to IEC 60 529:
– IP 66 (*IP 55)
Protection category NEMA:
– NEMA 4X (*NEMA 12)
IK Code:
– IK08

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Doors
RI1001600	AE 1001.600	200	300	120	1
RI1002600	AE 1002.600	200	300	155	1
RI1003600	AE 1003.600	300	300	210	1
RI1004600	AE 1004.600	380	300	155	1
RI1005600	AE 1005.600	300	380	210	1
RI1006600	AE 1006.600	380	380	210	1
RI1007600	AE 1007.600	500	500	210	1
RI1008600	AE 1008.600	380	600	210	1
RI1009600	AE 1009.600	600	380	210	1
RI1010600	AE 1010.600	600	600	210	1
RI1011600	AE 1011.600	380	300	210	1
RI1012600	AE 1012.600	600	760	210	1
RI1013600	AE 1013.600	500	500	300	1
RI1014600	AE 1014.600	760	760	300	1
RI1015600	AE 1015.600	400	500	210	1
RI1016600	AE 1016.600	800	1,000	300	1
RI1017600	AE 1017.600	800	1,200	300	1
RI1018600*	AE 1018.600	1,000	1,000	300	2
RI1019600*	AE 1019.600	1,000	1,200	300	2

AE Series - Stainless Steel (316L)

Material:
- Enclosure: Stainless steel
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel
- Stainless steel 1.4404 (AISI 316L)
- Lock insert: Stainless steel 1.4404 (AISI 316L)

Surface finish:
- Enclosure and door: Brushed, grain 400, peak-to-valley height < 0.8 µm
- Mounting plate: Zinc-plated

Supply includes:
- Enclosure with door(s)
- Mounting plate
- Lock: 3mm double-bit
- 3-point lock system is included for enclosures≥1200 high
- Nut-sert M8 to suit wall brackets

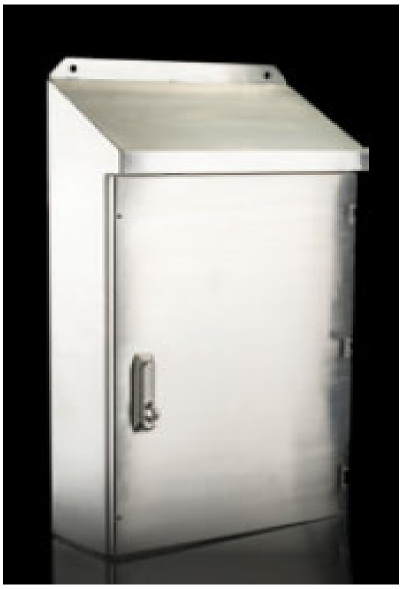
Protection category IP to IEC 60 529:
- IP 66 (*IP 55)

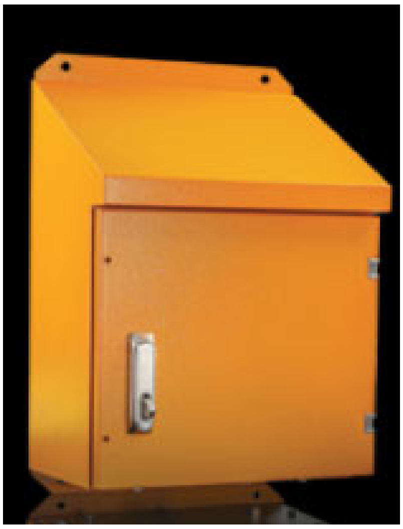
Protection category NEMA:
- NEMA 4X (*NEMA 12)

IK Code:
- IK08

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Inner Door	Doors
RIXAU1001500	XAU1001500	200	300	120	XAU10350199	1
RIXAU1002500	XAU1002500	200	300	155	XAU10350199	1
RIXAU1003500	XAU1003500	300	300	210	XAU10330199	1
RIXAU1005500	XAU1005500	300	380	210	ON REQUEST	1
RIXAU1004500	XAU1004500	380	300	155	XAU10310199	1
RIXAU1011500	XAU1011500	380	300	210	XAU10310199	1
RIXAU1006500	XAU1006500	380	380	210	XAU13800199	1
RIXAU1008500	XAU1008500	380	600	210	XAU10380199	1
RIXAU1015500	XAU1015500	400	500	210	XAU10450199	1
RIXAU1463999	XAU1463999	400	600	300	ON REQUEST	1
RIXAU1007500	XAU1007500	500	500	210	XAU10500199	1
RIXAU1013500	XAU1013500	500	500	300	XAU10500199	1
RIXAU1009500	XAU1009500	600	380	210	XAU10390199	1
RIXAU1010500	XAU1010500	600	600	210	XAU10600199	1
RIXAU1663999	XAU1663999	600	600	300	XAU10600199	1
RIXAU1664999	XAU1664999	600	600	400	XAU10600199	1
RIXAU1012500	XAU1012500	600	760	210	XAU10760199	1
RIXAU1068500	XAU1068500	600	800	300	XAU10580199	1
RIXAU1009500	XAU1009500	600	380	210	XAU10390199	1
RIXAU1010500	XAU1010500	600	600	210	XAU10600199	1
RIXAU1663999	XAU1663999	600	600	300	XAU10600199	1
RIXAU1664999	XAU1664999	600	600	400	XAU10600199	1
RIXAU1012500	XAU1012500	600	760	210	XAU10760199	1
RIXAU1068500	XAU1068500	600	800	300	XAU10580199	1
RIXAU1010500	XAU1010500	600	600	210	XAU10600199	1
RIXAU1663999	XAU1663999	600	600	300	XAU10600199	1
RIXAU1664999	XAU1664999	600	600	400	XAU10600199	1
RIXAU1012500	XAU1012500	600	760	210	XAU10760199	1
RIXAU1068500	XAU1068500	600	800	300	XAU10580199	1
RIXAU1224999	XAU1224999	1,200	1,200	400	ON REQUEST	2

RiMine Sloped Roof - Stainless Steel (316L)





Material:
- Enclosure: Stainless steel
- Door: Stainless steel, all-round foamed-in PU seal
- Mounting plate: Sheet steel, powder coated white
- Stainless steel 1.4404 (AISI 316)

Surface finish:
- Enclosure and door: Brushed, grain 400, peak-to-valley height <0.8 µm
- Mounting plate: Zinc-plated

Supply includes:
- **Enclosure with door(s)**
- Mounting plate
- Lock: 3mm double-bit
- 3 point locking system
- Pad lockable handle
- 30 degree sloped roof with generous overhang
- Additional dust / water proofing provided by rubber seal across top of door
- Door set back underneath canopy
- Nut-sert M8 to suit wall brackets
- Gland plate included

Protection category IP to IEC 60 529:
- IP 66

Item Number	Part Number	Width (mm)	Height (mm)	Overall Height (mm)	Depth(mm)	Doors
Brushed Finish						
RIXAURM4425SS	RM 400Hx400Wx270D SR SS	400	400	681	270	1
RIXAURM7522SS	RM 700Hx500Wx220D SR SS	500	700	952	220	1
RIXAURM7535SS	RM 700Hx500Wx370D SR SS	500	700	1039	370	1
RIXAURM10822SS	RM 1000Hx800Wx220D SR SS	800	1000	1252	220	1
RIXAURM10840SS	RM 1000Hx800Wx420D SR SS	800	1000	1367	420	1
RAL 2000 Powder Coat Finish						
RIXAURM4425SSX15	RM 400Hx400Wx270D SR SS RAL 20	400	400	681	270	1
RIXAURM7522SSX15	RM 700Hx500Wx220D SR SS RAL 20	500	700	952	220	1
RIXAURM7535SSX15	RM 700Hx500Wx370D SR SS RAL 20	500	700	1039	370	1
RIXAURM10822SSX15	RM 1000Hx800Wx220D SR SS RAL 20	800	1000	1252	220	1
RIXAURM10840SSX15	RM 1000Hx800Wx420D SR SS RAL 20	800	1000	1367	420	1

Free Standing Enclsoure System VX SE

Material and Surface finish:
– Enclosure: Sheet steel, 1.5 mm, dipcoat-primed, powdercoated on the outside, textured paint
– Door: Sheet steel, 2 mm, dipcoatprimed, powder-coated on the outside, textured paint
– Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powdercoated on the outside, textured paint
– Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated
– Gland plates: Sheet steel, 1.5 mm, zinc-plated, passivated
Colour:
– RAL 7035
Protection category IP to

IEC 60 529:
– IP 55
Protection category NEMA:
– NEMA 12
Supply includes:
– Enclosure, solid top and sides
– Door(s)
– R/h door hinge with single-door enclosures, may be swapped to opposite side
– Mounting plate
– Gland plates
– Rear panel, detachable
– Lock: 3 mm double-bit
– 2 punched rails 18 x 39 mm
Please note the product-specific scope of supply.
Approvals:
– UL
– cUL

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Doors	Supply Includes
RI5820600	5820600	600	1800	300	1	Rear panel, one-piece
RI5821600	5821600	600	2000	300	1	Rear panel, one-piece
RI5822600	5822600	800	1800	300	1	Rear panel, one-piece
RI5823600	5823600	800	2000	300	1	Rear panel, one-piece
RI5824600	5824600	1200	1800	300	2	Rear panel, one-piece
RI5825600	5825600	1200	2000	300	2	Rear panel, one-piece
RI5830600	5830600	600	1800	400	1	Rear panel, one-piece
RI5831600	5831600	800	1800	400	1	Rear panel, one-piece
RI5832600	5832600	800	2000	400	1	Rear panel, one-piece
RI5833600	5833600	800	2000	500	1	Rear panel, one-piece
RI5834600	5834600	800	2000	600	1	Rear panel, one-piece
RI5840600	5840600	1000	1800	400	2	Rear panel, one-piece
RI5841600	5841600	1200	1800	400	2	Rear panel, one-piece
RI5842600	5842600	1600	1800	400	2	Rear panel, two-piece
RI5843600	5843600	1200	2000	400	2	Rear panel, one-piece
RI5844600	5844600	1200	2,000	500	2	Rear panel, one-piece
RI5845600	5845600	1200	2,000	600	2	Rear panel, one-piece
RI5846600	5846600	1,800	2,000	500	2	Rear panel, two-piece
RI5847600	5847600	1,800	2,000	600	2	Rear panel, two-piece

NEMA 4 Free Standing Enclosure System VX SE

Material and Surface finish:
– Enclosure: Sheet steel, 1.5 mm, dipcoat-primed, powdercoated on the outside, textured paint
– Door: Sheet steel, 2 mm, dipcoatprimed, powder-coated on the outside, textured paint
– Rear panel: Sheet steel, 1.5 mm, dipcoat-primed, powdercoated on the outside, textured paint
– Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated
– Base: Sheet steel, 1.5 mm, dipcoat-primed and powdercoated, textured paint

Colour:
– RAL 7035

Protection category IP to IEC 60 529:
– IP 66

Protection category NEMA:
– NEMA 4

Supply includes:
– Enclosure, solid top and sides
– Door(s)
– Door hinged on the right, may be swapped to the left
– Mounting plate
– Base, solid
– Rear panel, detachable
– Lock: 3 mm double-bit
– 2 punched rails 18 x 39 mm

Approvals:
– UL
– cUL

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Doors
RI5830680	5830680	600	1800	400	1
RI5831680	5831680	800	1800	400	1
RI5834680	5834680	800	2000	600	1

Free Standing Enclosure System VX SE Stainless Steel (304)

Material and Surface finish:

– Enclosure: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400

– Door: Stainless steel 1.4301 (AISI 304), 2 mm, exterior brushed, grain size 400

– Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed, grain size 400

– Mounting plate: Sheet steel, 3 mm, zinc-plated, passivated

– Gland plates: Stainless steel 1.4301 (AISI 304), 1.5 mm, uncoated

Protection category IP to IEC 60 529:

– IP 55

Protection category NEMA:

– NEMA 12

Supply includes:

– Enclosure, solid top and sides

– Door(s)

– R/h door hinge with single-door enclosures, may be swapped to opposite side

– Rear panel, detachable

– Mounting plate

– Gland plates

– Lock: 3 mm double-bit

– 2 punched rails 18 x 39 mm

Notes: –

Due to the hardness of the material, we recommend using metal multitooth screw 2486.400 for the interior installation

Approvals:

– UL

– cUL

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Doors
RI5850600	5850600	600	1600	400	1
RI5851600	5851600	600	1800	500	1
RI5852600	5852600	800	1800	500	1
RI5853600	5853600	800	2000	600	1
RI5854600	5854600	1000	1800	400	1
RI5855600	5855600	1200	2000	500	2
RI5856600	5856600	600	1200	500	1
RI5857600	5857600	800	1200	500	1
RI5858600	5858600	1200	1200	500	2

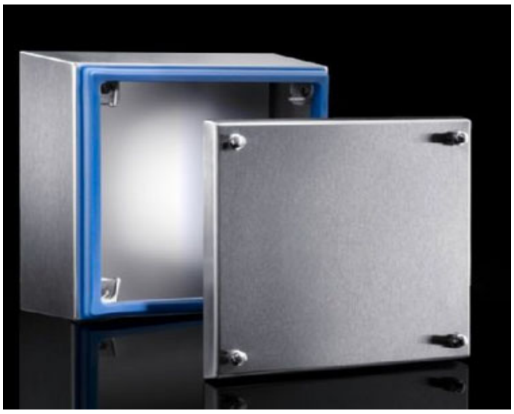
Rittal Enclosures

NEMA 4X Free Standing Enclosure System VX SE Stainless Steel (304)

Material:
– Enclosure: Stainless steel, 1.4301 (AISI 304), 1.5 mm, exterior brushed
– Door: Stainless steel, 1.4301 (AISI 304), 2 mm, exterior brushed
– Rear panel: Stainless steel, 1.4301 (AISI 304), 1.5 mm, exterior brushed
– Gland plates: Stainless steel, 1.4301 (AISI 304), 1.5 mm
– Mounting plate: Sheet steel, 3.0 mm
Surface finish:
– Enclosure, door and rear panel: Brushed, grain size 400
– Gland plates: Uncoated
– Mounting plate: Zinc-plated
Supply includes:
– Enclosure, solid top and sides
– Door(s)
– Door hinged on the right, may be swapped to the left
– Rear panel, detachable
– Mounting plate
– Base, solid
– Lock: 3mm double-bit
– 2 TS punched rails 18 x 38 mm
Protection category IP to IEC 60 529:
– IP 66
Protection category NEMA:
– NEMA 4X
IK code:
– IK10

Item Number	Part Number	Width (mm)	Height (mm)	Depth (mm)	Doors
RI5850680	5850680	600	1600	400	1
RI5852680	5852680	800	1800	500	1
RI5853680	5853680	800	2000	600	1

Hygienic Design Terminal Boxes HD



Design:
– Enclosure angled forwards by 3°

Material:
– Enclosure and cover: Stainless steel 1.4301 (AISI 304) 1.5 mm
– Mounting bracket: Sheet steel, zinc-plated, passivated, 2.0 mm
– Screw plug: Stainless steel
– Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600
– Seal and screw plug (supplied loose)

Surface finish:
– Enclosure and cover: Brushed, grain 400, peak-to-valley height < 0.8 µm
– Seal: Blue, dyed (RAL 5010)

Protection category IP to

IEC 60 529:
– IP 66
– IP X9

Protection category NEMA:
– NEMA 13
– NEMA 3R
– NEMA 4X

Supply includes:
– Enclosure of all-round solid construction
– Cover
– Mounting bracket (pre-assembled)
– Seal and screw plug (supplied loose)

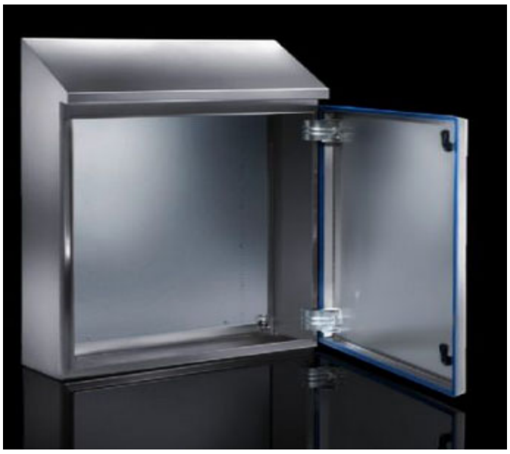
Approvals:
– UL
– cUL

Item Number	Part Number	Width Front (mm)	Height Front (mm)	Depth (mm)
RI1670600	1670600	150	150	80
RI1671600	1671600	150	150	120
RI1672600	1672600	200	200	120
RI1674600	1674600	300	200	120
RI1675600	1675600	400	200	120
RI1676600	1676600	400	300	120

Accessories

Item Number	Part Number	Description	Suitable for width (mm)	Suitable for height (mm)
RI1560800	1560800	Mounting plate	150	150
RI1562800	1562800	Mounting plate	200	200
RI1563800	1563800	Mounting plate	300	200
RI1564800	1564800	Mounting plate	400	200
RI1568800	1568800	Mounting plate	300	400
RI4000100	4000100	HD Wall spacer bracket	50 mm wall distance	Packs of 1

Hygienic Design Compact Enclosures HD



Design:
– Roof angled forwards by 30°

Material:
– Enclosure and door: Stainless steel 1.4301 (AISI 304)
– Mounting plate: Sheet steel
– Lock insert HD: Stainless steel 1.4404 (AISI 316L)
– Seal: Silicone, compliant with FDA Guideline 21 CFR 177.2600

Surface finish:
– Enclosure and door: Brushed, grain 400, peak-to-valley height < 0.8 µm
– Mounting plate: Zinc-plated
– Seal: Blue, dyed (RAL 5010)

Protection category IP to IEC 60 529:
– IP 66
– IP X9

Protection category NEMA:
– NEMA 13
– NEMA 4X

Supply includes:
– Enclosure of all-round solid construction
– Door with inserted seal
– Door hinged on the right, may be swapped to the left
– Mounting plate

Approvals:
– UL
– cUL

Item Number	Part Number	Width front (mm)	Height front (mm)	Depth Rear (mm)	Depth (mm)	No. Doors
RI1302600	1302600	220	350	437	155	1
RI1304600	1304600	310	430	549	210	1
RI1305600	1305600	390	550	669	210	1
RI1306600	1306600	390	430	549	210	1
RI1307600	1307600	510	550	669	210	1
RI1308600	1308600	390	650	769	210	1
RI1310600	1310600	610	650	769	210	1
RI1311600	1311600	610	650	821	300	1
RI1312600	1312600	610	810	981	300	1
RI1314600	1314600	810	430	549	210	1
RI1315600	1315600	810	650	821	300	1
RI1316600	1316600	810	1050	1221	300	1
RI1317600	1317600	810	1250	1421	300	1
RI1320600	1320600	610	430	601	300	1
RI1318600	1318600	1010	1050	1280	400	2
RI1319600	1319600	1010	1250	1480	400	2

Accessories

Item Number	Part Number	Description	Wall Distance (mm)	Pack Qantity
RI4000100	4000100	HD Wall Spacer Bracket	50	Packs of 1

Blue e+ Fan and Filter Units

Product description:

– Complete fan unit for tool-free mounting on surfaces

Air throughput from 20 - 1160 m^3/h, standard protection category IP 54.

Protection category IP to IEC 60 529:

– IP54 with chopped-fibre filter/pleated filter

– IP55 with pleated filter and absorber mat

– IP56 with chopped-fibre filter/pleated filter and hose-proof hood

Operating temperature range (environment):

– -30oC...+55oC

Fan and Filter Mat	Outlet Filter	(m^3/h) Unimpeded (with	(m^3/h) Unimpeded	Width (mm)	Height (mm)	Depth (mm)	Voltage (V) (50/60 Hz)	Rated Current A
RI3237700	RI3237300	20/25	-	116.5	116.5	64.5	230	0.1/0.09
RI3237710	RI3237300	20/25	-	116.5	116.5	64.5	115	0.14/0.13
RI3237724	RI3237300	20	-	116.5	116.5	64.5	24 (DC)	0.06
RI3238700	RI3238300	53/64	-	148.5	148.5	82.5	230	0.1/0.12
RI3238710	RI3238300	53/64	63/72	148.5	148.5	82.5	115	0.2/0.21
RI3238724	RI3238300	53	63	148.5	148.5	82.5	24 (DC)	0.27
RI3239700	RI3239300	100/115	110/125	204	204	105	230	0.1/0.12
RI3239710	RI3239300	100/115	110/125	204	204	105	115	0.2/0.21
RI3239724	RI3239300	100	110	204	204	105	24 (DC)	0.27
RI3240700	RI3240300	175/157	218/191	255	255	129	230	0.2/0.21
RI3240710	RI3240300	175/157	218/191	255	255	129	115	0.41/0.42
RI3240724	RI3240300	175	218	255	255	129	24 (DC)	0.42
RI3241700	RI3240300	225/245	272/280	255	255	129	230	0.27/0.32
RI3241710	RI3240300	225/245	272/280	255	255	129	115	0.54/0.6
RI3241724	RI3240300	225	272	255	255	129	24 (DC)	0.8
RI3243700	RI3243300	540/590	625/716	323	323	144.5	230	0.39/0.47
RI3243710	RI3243300	540/590	625/716	323	323	144.5	115	0.81/0.9
RI3244700	RI3243300	700/770	867/910	323	323	156	230	0.51/0.68
RI3244710	RI3243300	700/770	867/910	323	323	156	115	1.06/1.47
RI3244740	RI3243300	700/770	867/910	323	323	156	400/460	0.22/0.28

PLC - X20 Compact-S System

PLCs

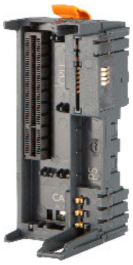
Part Number

BEX20CP0410	X20 Compact-S CPU, ARM Cortex-A9-166 (compatible), 128 MB DDR3 RAM, 8 kB FRAM, 256 MB onboard flash drive, 2 USB interfaces, 1 RS232 interface, 1 Ethernet interface 10/100BASE-T. Order bus base, power supply module and terminal block separately.
BEX20CP0411	X20 Compact-S CPU, ARM Cortex-A9-240, 128 MB DDR3 RAM, 16 kB FRAM, 512 MB onboard flash drive, 2 USB interfaces, 1 RS232 interface, 1 Ethernet interface 10/100BASE-T. Order bus base, power supply module and terminal block separately.

Mandatory Accessories

Base - Must add BEX20BB52 or BEX20BB57

BEX20BB52	X20 Compact-S bus base, for Compact-S CPU and Compact-S CPU power supply module, base for integrated RS232 interface, X20 connection, X20 end cover plates (left and right) X20AC0SL1/X20AC0SR1 included
BEX20BB57	X20 Compact-S bus base, for Compact-S CPU and Compact-S CPU power supply module, base for integrated RS232 and CAN bus interface, X20 connection, X20 end cover plates (left and right) X20AC0SL1/X20AC0SR1 included



Power Supplies - Must add BEX20S9600

BEX20PS9600	X20 power supply module, for Compact-S CPU and internal I/O power supply, X2X Link power supply

Terminal Blocks

BEX20TB12	X20 terminal block, 12-pin, 24 VDC keyed

I/O Systems - X20 System

Digital Inputs

Base Modules

Part Number

BEX20DI9371	X20 digital input module, 2 inputs, 24 VDC, sink, configurable input filter, 3-wire connections
BEX20DIF371	X20 digital input module, 16 inputs, 24 VDC, sink, configurable input filter, 1-wire connections

Mandatory Accessories

Bus Module

BEX20BM11	X20 bus module, 24 VDC keyed, internal I/O supply continuous

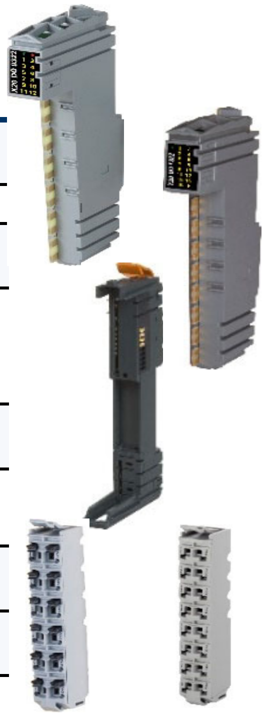
Terminal Blocks

BEX20TB12	X20 terminal block, 12-pin, 24 VDC keyed
BEX20TB1F	X20 terminal block, 16-pin, 24 VDC keyed

I/O Systems - X20 System

Digital Outputs

Base Modules



Part Number	
BEX20DO9322	X20 digital output module, 12 outputs, 24 VDC, 0.5 A, source, 1-wire connections
BEX20DOF322	X20 digital output module, 16 output, 24 VDC, 0.5 A, source, 1-wire connections

Mandatory Accessories

Bus Module

BEX20BM11	X20 bus module, 24 VDC keyed, internal I/O supply continuous

Terminal Blocks

BEX20TB12	X20 terminal block, 12-pin, 24 VDC keyed
BEX20TB1F	X20 terminal block, 16-pin, 24 VDC keyed

Analogue Input

Base Modules

Part Number	
BEX20AI2622	X20 analog input module, 2 inputs, ±10 V or 0 to 20 mA / 4 to 20 mA, 13-bit converter resolution, configurable input filter
BEX20AI4622	X20 analog input module, 4 inputs, ±10 V or 0 to 20 mA / 4 to 20 mA, 13-bit converter resolution, configurable input filter

Mandatory Accessories

Bus Module

BEX20BM11	X20 bus module, 24 VDC keyed, internal I/O supply continuous

Terminal Block

BEX20TB12	X20 terminal block, 12-pin, 24 VDC keyed

Analogue Output

Base Modules

BEX20AO2622	X20 analog output module, 2 outputs, 10 V or 0 to 20 mA / 4 to 20 mA, 13-bit converter resolution
BEX20AO4622	X20 analog output module, 4 outputs, ±10 V or 0 to 20 mA / 4 to 20 mA, 13-bit converter resolution

Mandatory Accessories

Bus Module

BEX20BM11	X20 bus module, 24 VDC keyed, internal I/O supply continuous

Terminal Block

BEX20TB12	X20 terminal block, 12-pin, 24 VDC keyed

HMI

Powerpanel C Series

Part Number	
BE4PPC30.043F-22B	Power Panel C30, 4.3", landscape format, fieldbus interfaces: 1x CAN bus, 1x RS232. CPU and memory: 1 GHz (ARM Cortex-A8), 256 MB DDRAM, 8 kB FRAM, 512 MB onboard flash drive. Display and touch screen: 4.3", 480 x 272 (WQVGA) resolution, analog resistive touch screen, landscape format, anthracite gray pinstripe. Interfaces: 1x Ethernet 10/100 Mbit/s, 2x USB 2.0, 1x CAN bus, 1x RS232.

Accessories Included

BE0TB5106.2110-01	Accessory terminal block, 6-pin (2.5), cage clamp terminal block 0.5 mm²

BE0TB6102.2110-01	Accessory terminal block, 2-pin (3.81), cage clamp terminal block 1.5 mm²

Powerpanel T Series

Part Number	
BE6PPT30.043F-20B	Power Panel T30, 4.3", landscape format. CPU and memory: 600 MHz (ARM Cortex-A8), 512 MB onboard flash drive. Display and touch screen: 4.3", 480 x 272 (WQVGA) resolution, analog resistive touch screen, landscape format, anthracite gray pinstripe. Interfaces: 2x Ethernet 10/100 Mbit/s (integrated switch), 2x USB 2.0. Client software: Integrated service page, VNC client, embedded web browser.

Accessories Included

BE0TB6102.2110-01	Accessory terminal block, 2-pin (3.81), cage clamp terminal block 1.5 mm²

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