

TURCK

BANNER

NEW ZEALAND DISTRIBUTOR

V1.7 2026 e-catalog



E.I.C. *Electrical
Importing
Company*

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Disclaimer: The information provided in this Stock List has been gathered and assembled with every effort made to validate accuracy and consistency of the content. However, EIC does not make any warranty or guarantee as to this information.

SINGLE ENDED M8 CORDSETS

IP69K. Resistant to chemicals, UV radiation and oils. Suitable for drag chain use



PUR, M8 3 pin

50Vac/60Vdc 4A, -40°C to +105°C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	PKG3M-2/TXL	PKW3M-2/TXL	PSG3M-2/TXL	PSW3M-2/TXL
3m	PKG3M-3/TXL	PKW3M-3/TXL	PSG3M-3/TXL	PSW3M-3/TXL
5m	PKG3M-5/TXL	PKW3M-5/TXL	PSG3M-5/TXL	PSW3M-5/TXL
10m	PKG3M-10/TXL	PKW3M-10/TXL	PSG3M-10/TXL	PSW3M-10/TXL
15m	PKG3M-15/TXL	PKW3M-15/TXL	PSG3M-15/TXL	PSW3M-15/TXL
20m	PKG3M-20/TXL	PKW3M-20/TXL	PSG3M-20/TXL	

PUR, M8 4 pin

50Vac/60Vdc 4A, -40°C to +105°C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	PKG4M-2/TXL	PKW4M-2/TXL	PSG4M-2/TXL	PSW4M-2/TXL
3m	PKG4M-3/TXL	PKW4M-3/TXL	PSG4M-3/TXL	PSW4M-3/TXL
5m	PKG4M-5/TXL	PKW4M-5/TXL	PSG4M-5/TXL	PSW4M-5/TXL
10m	PKG4M-10/TXL	PKW4M-10/TXL	PSG4M-10/TXL	PSW4M-10/TXL
15m	PKG4M-15/TXL	PKW4M-15/TXL	PSG4M-15/TXL	PSW4M-15/TXL
20m	PKG4M-20/TXL	PKW4M-20/TXL		

M8 JUMPERS

IP69K. Resistant to chemicals, UV radiation and oils. Suitable for drag chain use



PUR, M8 3 pin - M8 3 pin Jumpers

50Vac/60Vdc 4A, -40°C to +105°C

Length	Female Straight to Male Straight	Female Angle to Male Straight
1m	PKG3M-1-PSG3M/TXL	PKW3M-1-PSG3M/TXL
1.5m	PKG3M-1.5-PSG3M/TXL	PKW3M-1.5-PSG3M/TXL
2m	PKG3M-2-PSG3M/TXL	PKW3M-2-PSG3M/TXL
3m	PKG3M-3-PSG3M/TXL	PKW3M-3-PSG3M/TXL
5m	PKG3M-5-PSG3M/TXL	PKW3M-5-PSG3M/TXL
10m	PKG3M-10-PSG3M/TXL	PKW3M-10-PSG3M/TXL

Preferred Stocked Item

M12 CORDSETS



PUR, M12 4 pin

250V 4A, -40 °C...+105 °C

Length	Female Straight	Female Angled	Male Straight	Male Angled
0.5m	RKC4.4T-0.5/TXL	WKC4.4T-0.5/TXL	RSC4.4T-0.5/TXL	WSC4.4T-0.5/TXL
1m	RKC4.4T-1/TXL	WKC4.4T-1/TXL	RSC4.4T-1/TXL	WSC4.4T-1/TXL
2m	RKC4.4T-2/TXL	WKC4.4T-2/TXL	RSC4.4T-2/TXL	WSC4.4T-2/TXL
3m	RKC4.4T-3/TXL	WKC4.4T-3/TXL	RSC4.4T-3/TXL	WSC4.4T-3/TXL
5m	RKC4.4T-5/TXL	WKC4.4T-5/TXL	RSC4.4T-5/TXL	WSC4.4T-5/TXL
10m	RKC4.4T-10/TXL	WKC4.4T-10/TXL	RSC4.4T-10/TXL	WSC4.4T-10/TXL
15m	RKC4.4T-15/TXL	WKC4.4T-15/TXL	RSC4.4T-15/TXL	WSC4.4T-15/TXL
20m	RKC4.4T-20/TXL	WKC4.4T-20/TXL	RSC4.4T-20/TXL	WSC4.4T-20/TXL
30m	RKC4.4T-30/TXL	WKC4.4T-30/TXL	RSC4.4T-30/TXL	WSC4.4T-30/TXL
40m	RKC4.4T-40/TXL	WKC4.4T-40/TXL	RSC4.4T-40/TXL	WSC4.4T-40/TXL
50m	RKC4.4T-50/TXL	WKC4.4T-50/TXL		WSC4.4T-50/TXL

Other Lengths available

PUR, M12 4 pin SHIELDED

250V 4A, -40 °C...+105 °C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	RKS4.4T-2/TXL	WKS4.4T-2/TXL	RSS4.4T-2/TXL	WSS4.4T-2/TXL
3m	RKS4.4T-3/TXL		RSS4.4T-3/TXL	WSS4.4T-3/TXL
5m	RKS4.4T-5/TXL	WKS4.4T-5/TXL	RSS4.4T-5/TXL	WSS4.4T-5/TXL
10m	RKS4.4T-10/TXL	WKS4.4T-10/TXL	RSS4.4T-10/TXL	WSS4.4T-10/TXL
15m	RKS4.4T-15/TXL	WKS4.4T-15/TXL	RSS4.4T-15/TXL	WSS4.4T-15/TXL
20m	RKS4.4T-20/TXL	WKS4.4T-20/TXL	RSS4.4T-20/TXL	WSS4.4T-20/TXL
25m	RKS4.4T-25/TXL	WKS4.4T-25/TXL	RSS4.4T-25/TXL	
30m	RKS4.4T-30/TXL	WKS4.4T-30/TXL	RSC4.4T-30/TXL	WSS4.4T-30/TXL
35m	RKS4.4T-35/TXL			

Other Lengths available

PUR, M12 5 pin

250V 4A, -40 °C...+105 °C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	RKC4.5T-2/TXL	WKC4.5T-2/TXL	RSC4.5T-2/TXL	WSC4.5T-2/TXL
3m	RKC4.5T-3/TXL	WKC4.5T-3/TXL	RSC4.5T-3/TXL	WSC4.5T-3/TXL
5m	RKC4.5T-5/TXL	WKC4.5T-5/TXL	RSC4.5T-5/TXL	WSC4.5T-5/TXL
10m	RKC4.5T-10/TXL	WKC4.5T-10/TXL	RSC4.5T-10/TXL	WSC4.5T-10/TXL
15m	RKC4.5T-15/TXL	WKC4.5T-15/TXL	RSC4.5T-15/TXL	WSC4.5T-15/TXL
20m	RKC4.5T-20/TXL	WKC4.5T-20/TXL	RSC4.5T-20/TXL	WSC4.5T-20/TXL
25m	RKC4.5T-25/TXL	WKC4.5T-25/TXL		
30m	RKC4.5T-30/TXL	WKC4.5T-30/TXL	RSC4.5T-30/TXL	
40m	RKC4.5T-40/TXL		RSC4.5T-40/TXL	
50m	RKC4.5T-50/TXL		RSC4.5T-50/TXL	

Preferred Stocked Item

PUR, M12 5 pin SHIELDED

250V 4A, -40 °C...+105 °C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	RKS4.5T-2/TXL	WKS4.5T-2/TXL	RSS4.5T-2/TXL	WSS4.5T-2/TXL
3m	RKS4.5T-3/TXL	WKS4.5T-3/TXL	RSS4.5T-3/TXL	
5m	RKS4.5T-5/TXL	WKS4.5T-5/TXL	RSS4.5T-5/TXL	WSS4.5T-5/TXL
10m	RKS4.5T-10/TXL	WKS4.5T-10/TXL	RSS4.5T-10/TXL	WSS4.5T-10/TXL
15m	RKS4.5T-15/TXL	WKS4.5T-15/TXL	RSS4.5T-15/TXL	
20m	RKS4.5T-20/TXL	WKS4.5T-20/TXL	RSS4.5T-20/TXL	WSS4.5T-20/TXL
25m	RKS4.5T-25/TXL	WKS4.5T-25/TXL		
30m	RKS4.5T-30/TXL	WKS4.5T-30/TXL	RSS4.5T-30/TXL	
40m	RKS4.5T-40/TXL	WKS4.5T-40/TXL	RSS4.5T-40/TXL	
50m	RKS4.5T-50/TXL	WKS4.5T-50/TXL	RSS4.5T-50/TXL	

PUR, M12 8 pin

30V 2A, -40 °C...+105 °C

Length	Female Straight	Female Angled	Male Straight	Male Angled
2m	RKC8T-2/TXL	WKC8T-2/TXL	RSC8T-2/TXL	WSC8T-2/TXL
5m	RKC8T-5/TXL	WKC8T-5/TXL	RSC8T-5/TXL	WSC8T-5/TXL
10m	RKC8T-10/TXL	WKC8T-10/TXL	RSC8T-10/TXL	WSC8T-10/TXL
15m	RKC8T-15/TXL	WKC8T-15/TXL	RSC8T-15/TXL	
20m	RKC8T-20/TXL	WKC8T-20/TXL	RSC8T-20/TXL	
25m	RKC8T-25/TXL	WKC8T-25/TXL	RSC8T-25/TXL	
30m	RKC8T-30/TXL	WKC8T-30/TXL	RSC8T-30/TXL	
40m	RKC8T-40/TXL	WKC8T-40/TXL	RSC8T-40/TXL	
50m	RKC8T-50/TXL	WKC8T-50/TXL	RSC8T-50/TXL	

M12 JUMPERS



PUR, M12 4 pin - M12 4 pin Jumper

250V 4A, -40 °C...+105 °C

Length	Female Straight to Male Straight	Female Angle to Male Straight
0.3m	RKC4.4T-0.3-RSC4.4T/TXL	WKC4.4T-0.3-RSC4.4T/TXL
0.6m	RKC4.4T-0.6-RSC4.4T/TXL	WKC4.4T-0.6-RSC4.4T/TXL
1m	RKC4.4T-1-RSC4.4T/TXL	WKC4.4T-1-RSC4.4T/TXL
2m	RKC4.4T-2-RSC4.4T/TXL	WKC4.4T-2-RSC4.4T/TXL
3m	RKC4.4T-3-RSC4.4T/TXL	WKC4.4T-3-RSC4.4T/TXL
5m	RKC4.4T-5-RSC4.4T/TXL	WKC4.4T-5-RSC4.4T/TXL
10m	RKC4.4T-10-RSC4.4T/TXL	WKC4.4T-10-RSC4.4T/TXL
15m	RKC4.4T-15-RSC4.4T/TXL	WKC4.4T-15-RSC4.4T/TXL
20m	RKC4.4T-20-RSC4.4T/TXL	WKC4.4T-20-RSC4.4T/TXL

Preferred Stocked Item

PUR, M12 5 pin - M12 5 pin Jumper		250V 4A, -40 °C...+105 °C
Length	Female Straight to Male Straight	Female Angle to Male Straight
1m	RKC4.5T-1-RSC4.5T/TXL	WKC4.5T-1-RSC4.5T/TXL
2m	RKC4.5T-2-RSC4.5T/TXL	WKC4.5T-2-RSC4.5T/TXL
3m	RKC4.5T-3-RSC4.5T/TXL	WKC4.5T-3-RSC4.5T/TXL
4m	RKC4.5T-4-RSC4.5T/TXL	WKC4.5T-4-RSC4.5T/TXL
5m	RKC4.5T-5-RSC4.5T/TXL	WKC4.5T-5-RSC4.5T/TXL
7m	RKC4.5T-7-RSC4.5T/TXL	WKC4.5T-7-RSC4.5T/TXL
10m	RKC4.5T-10-RSC4.5T/TXL	WKC4.5T-10-RSC4.5T/TXL
15m	RKC4.5T-15-RSC4.5T/TXL	WKC4.5T-15-RSC4.5T/TXL
20m	RKC4.5T-20-RSC4.5T/TXL	WKC4.5T-20-RSC4.5T/TXL
25m	RKC4.5T-25-RSC4.5T/TXL	WKC4.5T-25-RSC4.5T/TXL
30m	RKC4.5T-30-RSC4.5T/TXL	WKC4.5T-30-RSC4.5T/TXL
35m	RKC4.5T-35-RSC4.5T/TXL	
40m	RKC4.5T-40-RSC4.5T/TXL	
50m	RKC4.5T-50-RSC4.5T/TXL	

PUR, M12 8 pin - M12 8 pin Jumper		30V 2A, -40 °C...+105 °C
Length	Female Straight to Male Straight	Female Angle to Male Straight
0.3m	RKC8T-0.3-RSC8T/TXL	WKC8T-0.3-RSC8T/TXL
0.6m	RKC8T-0.6-RSC8T/TXL	WKC8T-0.6-RSC8T/TXL
1m	RKC8T-1-RSC8T/TXL	WKC8T-1-RSC8T/TXL
2m	RKC8T-2-RSC8T/TXL	WKC8T-2-RSC8T/TXL
3m	RKC8T-3-RSC8T/TXL	
5m	RKC8T-5-RSC8T/TXL	WKC8T-5-RSC8T/TXL
8m	RKC8T-8-RSC8T/TXL	WKC8T-8-RSC8T/TXL
10m	RKC8T-10-RSC8T/TXL	
15m	RKC8T-15-RSC8T/TXL	
20m	RKC8T-20-RSC8T/TXL	
25m	RKC8T-25-RSC8T/TXL	
30m	RKC8T-30-RSC8T/TXL	
35m	RKC8T-35-RSC8T/TXL	
40m	RKC8T-40-RSC8T/TXL	
50m	RKC8T-50-RSC8T/TXL	

Preferred Stocked Item

NAMUR CORDSETS



Length	PVC, M12 4-pin (2- wire)	
	Straight Female to Free-End	Right Angled Female to Free-end
2m	RKC4.221T-2/TEB	WKC4.221T-2/TEB
5m	RKC4.221T-5/TEB	WKC4.221T-5/TEB
10m	RKC4.221T-10/TEB	WKC4.221T-10/TEB
15m	RKC4.221T-15/TEB	WKC4.221T-15/TEB
20m	RKC4.221T-20/TEB	WKC4.221T-20/TEB

250V 4A, -40 °C...+105 °C

M12 L- CODED CORDSETS



Rated: 63V @ 16 A

Length	Female Straight	Male Straight
1m	RKP56PLB-1/TXG	RSP56PLB-1/TXG
2m	RKP56PLB-2/TXG	RSP56PLB-2/TXG
4m	RKP56PLB-4/TXG	
5m	RKP56PLB-5/TXG	RSP56PLB-5/TXG
8m	RKP56PLB-8/TXG	
10m	RKP56PLB-10/TXG	RSP56PLB-10/TXG
15m	RKP56PLB-15/TXG	
20m	RKP56PLB-20/TXG	RSP56PLB-20/TXG

TURCK MINIFAST PROCESS WIRING SOLUTIONS

Preferred Stocked Item

INDUSTRIAL ETHERNET CABLE

Suitable for drag chain use.



PUR, M12 4-pin to M12 4-pin Extension EtherNet Cable- CAT5E



Length	Straight to Straight	Angled to Angled
0.3m	RSSD-RSSD-4422-0.3M	WSSD-WSSD-4422-0.3M
0.5m	RSSD-RSSD-4422-0.5M	WSSD-WSSD-4422-0.6M
0.6m	RSSD-RSSD-4422-0.6M	
1m	RSSD-RSSD-4422-1M	WSSD-WSSD-4422-1M
1.5m	RSSD-RSSD-4422-1.5M	
2m	RSSD-RSSD-4422-2M	WSSD-WSSD-4422-2M
3m	RSSD-RSSD-4422-3M	
4m	RSSD-RSSD-4422-4M	
5m	RSSD-RSSD-4422-5M	WSSD-WSSD-4422-5M
6m	RSSD-RSSD-4422-6M	
7m	RSSD-RSSD-4422-7M	
8m	RSSD-RSSD-4422-8M	
10m	RSSD-RSSD-4422-10M	WSSD-WSSD-4422-10M
12m	RSSD-RSSD-4422-12M	
15m	RSSD-RSSD-4422-15M	WSSD-WSSD-4422-15M
20m	RSSD-RSSD-4422-20M	
25m	RSSD-RSSD-4414-25M	WSSD-WSSD-4422-25M
30m	RSSD-RSSD-4422-30M	

Other Lengths available up to 100m

PUR, M12 4 pin to RJ45S Extension EtherNet Cable- CAT5E



Length	Straight Male to Straight RJ45S
0.5m	RSSD-RJ45S-4422-0.5M
0.6m	RSSD-RJ45S-4422-0.6M
1m	RSSD-RJ45S-4422-1M
2m	RSSD-RJ45S-4422-2M
3m	RSSD-RJ45S-4422-3M
4m	RSSD-RJ45S-4422-4M
5m	RSSD-RJ45S-4422-5M
7m	RSSD-RJ45S-4422-7M
10m	RSSD-RJ45S-4422-10M
15m	RSSD-RJ45S-4422-15M
20m	RSSD-RJ45S-4422-20M
25m	RSSD-RJ45S-4422-25M
30m	RSSD-RJ45S-4422-30M

Other Lengths available up to 100m

Preferred Stocked Item

M8 FIELD WIREABLE -SCREW TERMINALS



IP67, -40...+85 °C

Picture	Connector	Current	Cable Feedthrough	Type	Part Number
	M8 3-pin	4 A @ 60V	3.5...5.0 mm	Female straight	B5133-0
	M8 4-pin	4 A @ 30V	3.5...5.0 mm	Female straight	B5143-0
	M8 3-pin	4 A @ 60V	3.5...5.0 mm	Male straight	BS5133-0
	M8 4-pin	4 A @ 30V	3.5...5.0 mm	Male straight	BS5143-0

M12 FIELD WIREABLE A-CODED - SCREW TERMINALS



IP67, -40...+85 °C

Picture	Connector	Current	Cable Feedthrough	Type	Part Number
	M12 4-pin	4 A @ 250V	4.0...6.0 mm	Female Straight	B8141-0
	M12 5-pin	4 A @ 60V	4.0...6.0 mm	Female Straight	B8151-0
	M12 5-pin	4 A @ 60V	6.0... 8.0 mm	Female Angled	B8251-0/9
	M12 4-pin	4 A @ 250V	4.0...6.0 mm	Male Straight	BS8141-0
	M12 4-pin	4 A @ 250V	4.0...6.0 mm	Male Angled	BS8241-0
	M12 5-pin	4 A @ 60V	6.0... 8.0 mm	Male Angled	BS8251-0/9
	M12 5-pin	4 A @ 60V	4.0...6.0 mm	Male Straight	BS8151-0
	M12 8-pin	2 A @ 60V	6.0... 8.0 mm	Female Angled	B8281-0
	M12 8-pin	2 A @ 60V	6.0... 8.0 mm	Female Straight	B8181-0
	M12 8-pin	2 A @ 60V	6.0... 8.0 mm	Male Straight	BS8181-0

M12 FIELD WIREABLE A-CODED - IDC QUICK CONNECTION

IP67, 0.25...0.5 mm² Clamping ability

Picture	Connector	Current	Cable Feedthrough	Type	Part Number
	M12 4-pin	4 A @ 32V	4.0...5.1 mm	Female Straight	HA8141-0
	M12 4-pin	4 A @ 32V	6.0... 8.0 mm	Female Straight	HA8141-16
	M12 4-pin	4 A @ 32V	4.0...5.1 mm	Male Straight	HAS8141-0
	M12 4-pin	4 A @ 32V	6.0... 8.0 mm	Male Straight	HAS8141-16
	M12 4-pin	4 A @ 32V	4.0...5.1 mm	Female Angled	HA8241-0
		4 A @ 32V			
	M12 4-pin	4 A @ 32V	4.0...5.1 mm	Male Angled	HAS8241-0
		4 A @ 32V			

M12 FIELD ATTACHABLES L Coded - SCREW TERMINALS








IP67, Max wire size 16 AWG

Picture	Connector	Current	Cable Feedthrough	Type	Part Number
	M12 5-pin	12 A @ 63V	8-13mm	Female Straight	100008139
	M12 5-pin	12 A @ 63V	8-13mm	Female Angled	100036618
	M12 5-pin	12 A @ 63V	8-13mm	Male Straight	100008140

Preferred Stocked Item

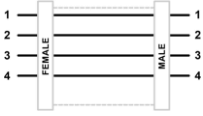

M12- M12 SPLITTERS (A- CODED)



Picture	N ^o of Pins	Description	Part Number
	4	Consolidate 2 Sensors/Actuators into One. 30Vdc, 4.0 A, -30°C to 80°C, IP67 Do NOT use with right angle cordsets, keyway doesn't allow side-by-side mounting.	6930492
	5	Consolidate 2 Sensors/Actuators into One. 30Vdc, 4.0 A, -30°C to 80°C, IP67 Do NOT use with right angle cordsets, keyway doesn't allow side-by-side mounting.	U0875-78
	4	Consolidate 2 Sensors/Actuators into One, 300mm branches 250 Vac/ 300Vdc, 4.0 A, -50°C to 80°C, IP67	6628110
	4	Consolidate 2 Sensors/Actuators into One, 1000mm branches 250 Vac/ 300Vdc, 4.0 A, -50°C to 80°C, IP67	6628112
	5	M12 5-pin, Wall/ panel feed-through 4 Amps @ 150V (female/male thru panel)	U1136

M12 and M8 IN-LINE WIRING ADAPTERS



Input/ Output	Diagram	Description	Part Number
Pass Through		M12 Female 4-pin to M8 Male 4-pin	S15A-M12F4M8M4
Pass Through		M12 Female 4-pin to M8 Male 3-pin	S15A-M12F4M8M3

SD50 STATUS DISPLAY - 300MM



- * A cost-efficient alternative to expensive HMIs
- * Ideal for status feedback, process sequences, timing, counting, and measurement display applications
- * Pro Editor software to easily configure color, animation, and text without coding or a PLC
- * 16-character LED display that allows up to 32 characters when scrolling
- * 28-millimeter characters are legible up to 10 meters



Control	Connection	Part Number
Discrete	150mm cable with M12 4-pin connector	SD50P300WD15QP
IO-LINK		SD50P300WKQP

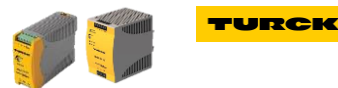
[How-to-Guide Videos](#)

See Page 39

24VDC PSU IP20

Power-good relay

Safety extra-low voltage SELV IEC/ EN 60950



Type	Output	Adj. Range	Output Circuit	Operating voltage	Part Number
1-phase (210-370VAC)	2.5A	24...28 VDC	1 x transistor	85...264 VAC	IM82-24-2.5
	5A	22.5...28.5 VDC	1 x relay (NO)	90...264 VAC	IM82-24-5.0
	10A	22.5...28.5 VDC	1 x relay (NO)	90...264 VAC	IM82-24-10
	20A	22.5...28.5 VDC	1 x relay (NO)	90...264 VAC	IM82-24-20

24VDC PSU IP67

IO-Link interface for checking and parameterization



Type	Output	Fuses	Connectors	Part Number
1-phase (100- 300 VDC)	2 x 7.5A 360W (600W 5sec boost)	4 x eFuses	IO Link = M12 4-pin 1-phase AC input = M12 S-coded DC Output = 2 M12 L-coded	PSU67-1P-1S-2L-24150-IOL-F IO-Link®
3-phase (320- 550VAC)	2 x 12.5A 600W (1000W 5sec boost)	4 x eFuses	DC Relay OK = M12 4-pin 3-phase AC input = M12 S-coded DC Output = 2 M12 L-coded	PSU67-3P-1S-2L-24250-F
3-phase (320- 550VAC)	2 x 12.5A 600W (1000W 5sec boost)	4 x eFuses	IO Link = M12 4-pin 3-phase AC input = M12 S-coded DC Output = 2 M12 L-coded	PSU67-3P-1S-2L-24250-IOL-F IO-Link®

24VDC PSU WALL MOUNT



Input	Output	Connector	Part Number
100-240 Vac	2 Amps	M12 5-pin, 3.5m cable	PSW-24-2

TURCK RFID SOLUTIONS

Preferred Stocked Item

M8 THREAD INDUCTIVE SENSORS

10- 30Vdc


TURCK

Sense	Mount	Thread Length	Body Length	Sw Freq.	Housing	Connection	Output	Part Number
2mm	Flush	40mm	41.5mm	3 kHz	S/S	2m cable	PNP NO	BI2-EG08-AP6X
2mm	Flush	40mm	59mm	3 kHz	S/S	M12 4-pin	PNP NO	BI2-EG08-AP6X-H1341
2mm	Flush	38.5mm	50mm	3 kHz	S/S	M8 3-pin	PNP NO	BI2-EG08-AP6X-V1131
4mm	Non-flush	40mm	49mm	2 kHz	S/S	M8 3-pin	PNP NO	NI4U-EG08-AP6X-V1131*
6mm	Non-flush	40mm	49mm	2 kHz	S/S	M8 3-pin	PNP NO	NI6U-EG08-AP6X-V1131*

Picture	Description	Part Number
	S/S Mounting bracket	MW08

* Factor 1 sensors provide a constant sensing range for all metal targets.

M12 THREAD INDUCTIVE SENSORS

10- 30Vdc


TURCK

Sense	Mount	Tread Length	Body Length	Sw Freq.	Housing	Connection	Output	Part Number
4mm	Flush	45mm	50mm	2 kHz	Brass	2m cable	PNP NO	BI4-M12-AP6X
	Flush	45mm	50mm	2 kHz	Brass	2m cable	NPN NO	BI4-M12-AN6X
	Flush	36mm	52mm	2 kHz	Brass	M12 4-pin	PNP NO	BI4-M12-AP6X-H1141
	Flush	36mm	52mm	2 kHz	Brass	M12 4-pin	NPN NO	BI4-M12-AN6X-H1141
	Flush	45mm	50mm	2 kHz	Brass	2m cable	PNP NO/NC	BI4-M12-VP6X
	Flush	36mm	52mm	2 kHz	Brass	M12 4-pin	PNP NO/NC	BI4-M12-VP6X-H1141
	Flush	45mm	50mm	2 kHz	Brass	2m cable	NPN NO/NC	BI4-M12-VN6X
	Flush	36mm	52mm	2 kHz	Brass	M12 4-pin	NPN NO/NC	BI4-M12-VN6X-H1141
	Flush	66mm	80mm	2 kHz	Brass	M12 4-pin	PNP NO/NC	BI4U-M12-VP6X-H1141 L80*
8mm	Non-Flush	26mm	52mm	2 kHz	Brass	M12 4-pin	PNP NO	NI8-M12-AP6X-H1141
	Non-Flush	26mm	52mm	2 kHz	Brass	M12 4-pin	NPN NO	NI8-M12-AN6X-H1141
	Non-Flush	26mm	52mm	1 kHz	Brass	M12 4-pin	PNP NO	NI8U-EM12-AP6X-H1141*
10mm	Non-Flush	26mm	52mm	2 kHz	S/S	M12 4-pin	PNP NO	NI10U-EM12WD-AP6X-H1141**

Picture	Description	Part Number
	S/S Mounting bracket	MW12

* Factor 1 sensors provide a constant sensing range for all metal targets

Preferred Stocked Item

* Factor 1 sensors provide a constant sensing range for all metal targets

* Washdown IP69K (acidic and alkaline cleaning agents), -40 °C...+100 °C



M18 THREAD INDUCTIVE SENSORS



Sense	Mount	Tread Length	Body Length	Voltage	Housing	Connection	Output	Part Number
5mm	Flush	55mm	64mm	2-wire AC/DC	Brass	2m cable	NO	BI5-M18-ADZ3X
	Flush	36mm	52mm	8.2Vdc	Brass	M12 4-pin	NAMUR	BI5-M18-Y1X-H1141
8mm	Flush	45mm	50mm	10-30VDC	Brass	2m cable	NPN NO/NC	BI8-M18-VN6X
	Flush	36mm	52mm	10-30VDC	Brass	M12 4-pin	NPN NO/NC	BI8-M18-VN6X-H1141
	Flush	45mm	50mm	10-30VDC	Brass	2m cable	PNP NO	BI8-M18-AP6X
	Flush	36mm	52mm	10-30VDC	Brass	M12 4-pin	PNP NO	BI8-M18-AP6X-H1141
	Flush	36mm	52mm	10-30VDC	Brass	M12 4-pin	PNP NO/NC	BI8-M18-VP6X-H1141
	Flush	56mm	72mm	10-30VDC	Brass	M12 4-pin	PNP NO/NC	BI8-M18E-VP6X-H1141
	Flush	36mm	52mm	10-30VDC	S/S	M12 4-pin	PNP NO	BI8U-EM18WD-AP6X-H1141**
	Flush	36mm	52mm	10-30VDC	Brass	M12 4-pin	PNP NO	BI8U-M18-AP6X-H1141*
8mm	Non-Flush	45	60mm	2-wire AC/DC	Brass	2m cable	NO	NI8-M18-AZ3X
10mm	Non-Flush	26mm	52mm	8.2Vdc	Brass	M12 4-pin	NAMUR	NI10-M18-Y1X-H1141
14mm	Non-Flush	26mm	52mm	10-30VDC	Brass	M12 4-pin	PNP NO	NI14-M18-AP6X-H1141
	Non-Flush	36mm	52mm	10-30VDC	Brass	M12 4-pin	PNP NO/NC	NI14-M18-VP6X-H1141
15mm	Non-Flush	26mm	52mm	10-30VDC	S/S	M12 4-pin	PNP NO	NI15U-EM18WD-AP6X-H1141**
Picture	Description	Part Number	* Factor 1 sensors provide a constant sensing range for all metal targets					
	S/S Mounting bracket	MW18	* Washdown IP69K (acidic and alkaline cleaning agents), -40 °C...+100 °C					

M30 INDUCTIVE SENSORS

10- 30Vdc & Namur models.



Sense	Mount	Tread Length	Body Length	Sw Freq.	Housing	Connection	Output	Part Number
10mm	Flush	46mm	62mm	0.5kHz	Brass	M12 4-pin	NAMUR	BI10-M30-Y1X-H1141
15mm	Flush	55mm	60mm	0.3kHz	Brass	2m cable	PNP NO	BI15-M30-AP6X
		46mm	62mm	0.3kHz	Brass	M12 4-pin	PNP NO	BI15-M30-AP6X-H1141
		55mm	60mm	0.3kHz	Brass	2m cable	PNP NO/NC	BI15-M30-VP6X
		46mm	62mm	0.3kHz	Brass	M12 4-pin	PNP NO/NC	BI15-M30-VP6X-H1141
		46mm	62mm	0.75kHz	S/S	M12 4-pin	PNP NO	BI15U-EM30WD-AP6X-H1141**
20mm	Non-flush	46mm	62mm	0.5kHz	Brass	M12 4-pin	PNP NO	NI20-M30-AP6X-H1141
		46mm	62mm	0.5kHz	Brass	M12 4-pin	PNP NO/NC	NI20-M30-VP6X-H1141
		35mm	73mm	0.15kHz	Brass	M12 4-pin	NAMUR	NI20-M30-Y1X-H1141
30mm	Non-flush	46mm	62mm	0.5kHz	Brass	M12 4-pin	PNP NO	NI30U-M30-AP6X-H1141*
		46mm	62mm	0.5kHz	S/S	M12 4-pin	PNP NO	NI30U-EM30WD-AP6X-H1141**
Picture	Description	Part Number	* Factor 1 sensors provide a constant sensing range for all metal targets					
	S/S Mounting bracket	MW30	* Washdown IP69K (acidic and alkaline cleaning agents), -40 °C...+100 °C					

Preferred Stocked Item

SQUARE INDUCTIVE SENSORS w/BACKET

10- 65Vdc



Sense	Mount	Dimensions	Sw Freq.	Housing	Connection	Output	Part Number
50mm	Flush/ Non-Flush	65 x 40 x 40mm	0.25kHz	Plastic	M12 4-pin	PNP NO/NC	NI50U-CK40-VP4X2-H1141*

* Factor 1 sensors provide a constant sensing range for all metal targets

RECTANGULAR INDUCTIVE SENSORS



Sense	Mount	Dimensions	Voltage	Sw Freq.	Housing	Connection	Output	Part Number
15mm	Flush	114 x 40 x 40mm	2-wire AC/DC	0.02 kHz	Plastic	Terminal Chamber	NC/NO	BI15-CP40-FZ3X2
			2-wire AC/DC	0.01 kHz			NC/NO	BI15U-CP40-FDZ30X2* (Short Circuit protection)
			10...65 VDC	0.25kHz			PNP NO/NC	BI15U-CP40-VP4X2*
20mm	Non-Flush	114 x 40 x 40mm	2-wire AC/DC	0.02 kHz	Plastic	Terminal Chamber	NC or NO Programmable	BI20-CP40-FZ3X2
30mm			10...30 VDC	0.25kHz			PNP NO	BI30U-CP40-AP6X2*
35mm	Non-Flush	114 x 40 x 40mm	2-wire AC/DC	0.02 kHz	Plastic	Terminal Chamber	NC/NO	NI35-CP40-FZ3X2
40mm	Non-Flush		2-wire AC/DC	0.01 kHz			NC/NO	NI40U-CP40-FDZ30X2*
			10...65 VDC	0.25kHz			PNP NO/NC	NI40U-CP40-VP4X2*
50mm	Non-Flush	114 x 40 x 40mm	10...30 VDC	0.25kHz	Plastic	Terminal Chamber	PNP NO	NI50U-CP40-AP6X2*
				0.25kHz		M12 4-pin	PNP NO	NI50U-CP40-AP6X2-H1141*

* Factor 1 sensors provide a constant sensing range for all metal targets

FLAT PACK INDUCTIVE SENSORS

Sense	Picture	Dimensions	Mounting	Sw Freq.	Housing/ Voltage	Connection	Output	Part Number
5mm		32 x 20 x 8mm	Flush	0.5 kHz	Metal/ 10-30VDC	2m cable	PNP NO/NC	BI5-Q08-VP6X2
				0.25 kHz			PNP NO	BI5U-Q08-AP6X2*
		32 x 20 x 8mm	Flush	0.25 kHz	Metal/ 10-30VDC	M8 3-pin	PNP NO	BI5U-Q08-AP6X2-V2131*
8mm		42 x 25 x 11mm	Flush	1 kHz	Plastic/ 8.6-30VDC	2m cable	PNP NO/NC	BI8-Q10-VP6X2
10mm		52 x 30 x 14 mm	Flush	0.5 kHz	Plastic/ 8.6...30VDC	M8 3-pin	PNP NO	BI10-Q14-AP68X2LD-V1131
20mm		68 x 40 x 20mm	Flush	0.5 kHz	Plastic/ 8.6...30VDC	M12 4-pin	PNP NO	BI20-Q20-AP45X2LD-H1141

* Factor 1 sensors provide a constant sensing range for all metal targets

Preferred Stocked Item




M18 COMPACT PHOTOELECTRIC SENSOR

18 mm threaded lens or side mount

IP67 and NEMA 6 standards for harsh environments



Type	Range	Light Type	Connector	Output	LO/DO	Adj.	Part Number
Throughbeam	20m	Infrared LED	M12 4-pin	PNP NO/NC	Yes	POT	QS186EQ8/ QS18VP6RQ8
	30m	Laser					QS186LEQ8/ QS18VP6RQ8
Diffuse - fixed view (BGS)	50mm	Red LED	M12 4-pin	PNP NO/NC	Yes	-	QS18VP6FF50Q8
	100mm						QS18VP6FF100Q8
Diffuse - energetic	300mm	Laser	M12 4-pin	PNP NO/NC	Yes	POT	QS18VP6LDQ8
	450mm	Infrared LED					QS18VP6DQ8
	600mm	Red LED				Button	QS18EP6DVO8
Retroreflective	3.5m	Red LED	M12 4-pin	PNP NO/NC	Yes	POT	QS18VP6LPQ8
	6.5m	Red LED					QS18VP6LVQ8
	0.1 to 10m	Laser					QS18VP6LLPQ8
Clear Object Detection (Requires reflector)	3m	Red LED	M12 4-pin	PNP NO/NC	Yes	Button	QS18EP6XLPCQ8

Picture	Description	Part Number
	Mounting bracket	SMB18A
	Swivel bracket	SMB18SE
	Bracket: Kit for 10 mm Rod Includes M10-1.5 x 50 mm	SMBQ4XFAM10



M18 FOOD GRADE PHOTOELECTRIC SENSOR

18 mm threaded lens. Food Grade plastic housing. 10- 30Vdc.

IP67 and NEMA 6 standards for harsh environments, -40°C to 70°C



Type	Range	Light Type	Connector	Output	LO/DO	Adj.	Part Number
Throughbeam	25m	Red LED	M12 4-pin	PNP NO/NC	LO/DO	-	T18-2NAEL-Q8/ T18-2VPRL-Q8
Retroreflective	6m	Red LED	M12 4-pin	PNP NO/NC	LO/DO	-	T18-2VPLP-Q8
Diffuse - fixed view (BGS)	50mm	Red LED	M12 4-pin	PNP NO/NC	LO/DO	-	T18-2VPFF50-Q8
	100mm	Red LED	M12 4-pin	PNP NO/NC	LO/DO	-	T18-2VPFF100-Q8
	200mm	Red LED	M12 4-pin	PNP NO/NC	LO/DO	-	T18-2VPFF200-Q8
Diffuse -energetic	750mm	Red LED	M12 4-pin	PNP NO/NC	LO/DO	POT	T18-2VPDL-Q8

Picture	Description	Part Number
	Mounting bracket	SMB18A
	Swivel bracket	SMB18SE

Preferred Stocked Item

M30 COMPACT PHOTOELECTRIC SENSOR

30 mm threaded lens or side mount. Light ON/ Dark ON
IP67/ 69 and NEMA 6 standards for harsh environments



Type	Range	Light Type	Connector	Output	Voltage	Adj.	Part Number
Throughbeam	60m	Infrared LED	M12 5-pin	PNP/ NPN	10- 30 Vdc	-	QS30EQ/ QS30RO
			2m cable	Relay SPDT	12-250V dc 24-250V ac	-	QS303E QS30VR3R
Retroreflective	8m	Red LED	M12 5-pin	PNP/ NPN	10- 30 Vdc	POT	QS30LPQ
			9m cable	Relay SPDT	12-250V dc 24-250V ac	-	QS30VR3LP
Diffuse - FIXED VIEW (BGS)	0.2- 18m	Laser	M12 5-pin	PNP/ NPN	10- 30 Vdc	Button	QS30LLPQ
	200mm	Red LED	M12 5-pin	PNP/ NPN	10- 30 Vdc	-	QS30FF200Q
	400mm		M12 5-pin	PNP/ NPN	10- 30 Vdc	-	QS30FF400Q
600mm	M12 5-pin	PNP/ NPN	10- 30 Vdc	-	QS30FF600Q		
Diffuse - BGS	50- 600mm	Red LED	M12 5-pin	PNP/ NPN	10- 30 Vdc	POT	QS30AF600Q
Diffuse - energetic	800mm	Laser	M12 5-pin	PNP/ NPN	10- 30 Vdc	Button	QS30LDLQ

Picture	Description	Part Number
	Mounting bracket	SMB30A
	Swivel bracket	SMB30SC
	Bracket: Swivel with Tilt and Pan Movement, M10	SMB30FAM10

REFLECTORS

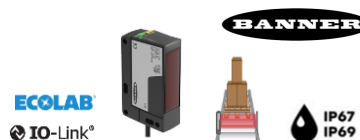
Picture	Description	Part Number
	Reflector - 51 x 51mm	BRT-2X2
	Reflector - 60 x 40mm	BRT-60X40C
	Microprism Reflector - 51 x 51mm for Laser sensors	BRT-51X51BM
	Reflector - 81mm	BRT-84
	25mm x 2.5m adhesive reflective tape	BRT-THG-1-100


Preferred Stocked Item

46MM WIDE BEAM RETROREFLECTIVE - 8MM to 19MM DETECTION

46 mm effective beam on standard sensitivity setting, 52mm on Increased Sensitivity setting
Clear Object Detection.

Operating voltage: 10...30 VDC; -40°C to 60°C. 250Hz Switching speed




Type	Range	Light Type	Connector	Output	Teach	Part Number
Retroreflective	0.4 to 4 m	Red Led	M12 -pigtail	1 NPN, 1 PNP	Pushbutton	Q76E-KP-ZLVC-Q5
Picture	Description		Part Number			
	S/S Mounting bracket		SMBQ76A			

Use BRT-60X40C Reflector

25MM WIDE BEAM RETROREFLECTIVE - 3MM DETECTION



Detects targets as small as 3 mm, such as mailers or polybags
Avoids chatter caused by targets with folded edges, holes, or open flaps
Intelligently learns belt characteristics and optimizes sensing to ignore belt flutter and seams



Type	Range	Light Type	Connector	Output	Teach	Part Number
Retroreflective	0 m to 2 m	Red Led	M12 -pigtail	1 NPN, 1 PNP	Pushbutton	B25-K6LP-Q5
Picture	Description		Part Number			
	Bracket		SMBB25RA			




Use BRT-51X51BM Reflector

FIBRE OPTIC AMPLIFIERS

Picture	Type	Connector	Output	Teach	Part Number
	General purpose	M12 4-pin	PNP	Button	QS18EP6FPO8
	General purpose	M12 4-pin pigtail	PNP	Button	DF-G1-PS-Q5
	High Speed				DF-G2-PS-Q5
	Long Range				DF-G3-PI-Q5

PLASTIC FIBERS

Fibers with Flex Relief.

Picture	Sensing	Optic Type	Jacket/ Temp	End Tip Thread	Length	Part Number
	Diffuse	Plastic (free-cut)	PE/ 70°C	M6	2m	PBT46U-VL
	Opposed	Plastic (free-cut)	PE/ 70°C	M4	2m	PIT46U-VL
Picture	Description		Part Number			
	Bracket for M3 thread		SMBFP3			
	Bracket for M4 thread		SMBFP4			
	Bracket for M6 thread		SMBFP6			

Preferred Stocked Item

COLOUR MARK SENSOR

Registration Mark Sensor with Three-Color Light Source
 Sensor automatically selects red, green, or blue LED during TEACH
 Outstanding color contrast sensitivity detects 16 levels of gray scale



Type	Range	Light Type	Connector	Output	Adjustment	Part Number
Diffuse	10mm	Red/Green/Blue	M12 5-pin	PNP/NPN	Teach Button	R58ECRGB1Q

RGB COLOUR SENSOR WITH IO LINK

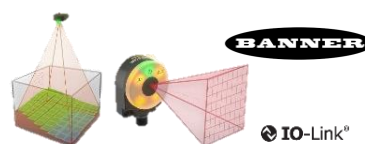
Access Red, Blue, Green & intensity values over IO LINK
 Differentiate between similar colours based on these values
Operating: -20 °C to +55 °C. Supply voltage: 18 to 30 V dc



Range	Spot Size	Outputs	Connector	Display	Adjustment	Part Number
20 to 150mm	8 x 8 @ 60mm	1 Discrete	M12 4-pin	Yes	Teach Buttons	QCM50-K1D60-Q8-4

3D MULTIPOINT SENSOR

45 x 45 degree beam angle and 2-meter range allow for detection in a large area
 64 measurement points can capture the nearest distance and average height
 Two independently configured outputs let operators monitor two separate areas



Resolution	FOV	Range	Repeatability	Output	Part Number
8 x 8	45° x 45°	2m	2.5- 5mm	PFM, Dual Discrete	K50Z-FA2000KD-Q8

Banner programmer required.

CONTRAST SENSOR

High-speed part detection as fast as 250 us, capturing up to 2,000 events per second
 Detection for applications with small contrast differences
 M18 threaded lens. 10- 30Vdc



Type	Range	Light Type	Adjustment	Output	Part Number
Diffuse - BGS	50mm	Laser	Teach Button	PNP/NPN	Q3XTBLD50-Q8
	100mm	Laser	Teach Button	PNP/NPN	Q3XTBLD100-Q8
	300mm	Laser	Teach Button	PNP/NPN	Q3XTBLD-Q8

Picture	Description	Part Number
	Bracket	SMB18A

LASER SENSOR 0.002- 0.004MM RESOLUTION

Precise measurements with 0.002 - 0.004 mm resolution
 Fast 0.5 ms response speed and 0.25 ms sampling rate
 IP67 and Grade 316 stainless steel for chemical compatibility. 10-30 V dc



Type	Range	Connector	IO LINK	Output	Part Number
Laser Diffuse	50- 150mm	M12 5-pin	IO-Link®	4- 20mA, PNP/NPN	LM150KIQP
				0- 10V, PNP/NPN	LM150KUQP

Picture	Description	Part Number
	S/S Mounting bracket	SMBLML1
	S/S Mounting bracket	SMBLML2
	Option Remote Display	RSD1QP

Preferred Stocked Item

LASER SENSOR 100MM- 600MM RANGE w/DIGITAL DISPLAY

Dual teach mode (intensity + distance) is ideal for error-proofing applications and enables clear object detection with no retro-reflector required

Stainless Steel housing. M18 threaded lens. Clear object detection. 12-30 V dc. M12 5-pin.



Type	Range	Resolution	IO LINK	Output	Part Number
Laser Diffuse BGS/ FGS	100mm	+/- 0.25 mm from 25 to 45 mm, 1.0 mm at 100 mm	IO-Link®	PNP/NPN	Q4XTKLAF100-Q8
			-	4-20 mA	Q4XTILAF100-Q8
			-	0-10V	Q4XTULAF100-Q8
Laser Diffuse BGS/ FGS	300mm	25 mm to 50 mm: +/-0.5; 50 mm to 300 mm: +/- 1% of range	IO-Link®	PNP/NPN	Q4XTKLAF300-Q8
			-	4-20 mA	Q4XTILAF300-Q8
Laser Diffuse BGS/ FGS	600mm	25 mm to 100 mm: +/-0.5; 100 mm to 600 mm: +/- 0.5% of range	IO-Link®	PNP/NPN	Q4XTKLAF600-Q8
			-	4-20 mA	Q4XTILAF600-Q8
Picture	Description		Part Number		
	Bracket		SMB18A		
	Bracket: Kit for 10 mm (3/8 in) Rod Bracket Systems		SMB18FAM10		

LASER SENSOR 100- 1000MM RANGE w/ DIGITAL DISPLAY

IP67. Zinc Alloy Die-Cast housing. 12-30 V dc

Easy adjustment with a two-line, eight-character intuitive display

Visible laser for small spot size and easy alignment



Type	Range	Resolution	IO LINK	Output	Part Number
Laser Diffuse BGS/ FGS	100- 400mm	100 mm to 250 mm: < 0.02; 250 mm to 400 mm: < 0.2	-	4- 20mA, PNP/NPN	LE250IQ
			-	0- 10V, PNP/NPN	LE250UQ
			IO-Link®	PNP/NPN	LE250KQ
Laser Diffuse BGS/ FGS	100- 1000mm	100 mm to 600 mm: < 0.5; 600 mm to 1000 mm: < 1	-	4- 20mA, PNP/NPN	LE550IQ
			-	0- 10V, PNP/NPN	LE550UQ
			IO-Link®	PNP/NPN	LE550KQ
Picture	Description		Part Number		
	S/S Mounting bracket		SMBLEL		

Preferred Stocked Item

LASER SENSOR 2M- 10M RANGE w/DIGITAL DISPLAY

Reliable detection up to 10m, even at an 45° angle. M12 4-pin.

Dual teach mode measures both distance plus light intensity

IP67, 10-30 V dc, -10 to +50 °C 35% to 95% relative humidity



Type	Range	Measurement Type	Output	Part Number
Laser Diffuse BGS/FGS	95- 2000mm	Triangulation	PNP/NPN IO-Link®	Q5XKLAF2000-Q8
	95- 3000mm	Triangulation	PNP/NPN, 4-20 mA IO-Link®	Q5XKLAF3000-Q8
	50- 5000mm	Time of Flight	PNP/NPN IO-Link®	Q5XKLAF5000-Q8
	50- 10000mm	Time of Flight	PNP/NPN IO-Link®	Q5XKLAF10000-Q8

Picture	Description	Part Number
	S/S Mounting bracket	SMBAMSQ5XRA
	S/S Mounting bracket (Side impact & glass window)	SMBAMSQ5XIPRA
	Bracket kit for 12mm Rod systems	SMBQ5XFAM12

LASER SENSOR 50- 24000MM RANGE w/DIGITAL DISPLAY

Two-line, eight-character display and pushbutton programming for easy setup

Advanced options, including delay timers, advanced triggered measurement modes

IP67, Zinc Alloy Die-Cast housing. 12-30 V dc



Type	Range	Resolution	IO LINK	Output	Part Number
Laser Diffuse BGS/FGS	50- 12000mm	< 0.3 mm to 3 mm	-	4- 20mA, PNP/ NPN	LTF12IC2LDQ
			-	0- 10V, PNP/ NPN	LTF12UC2LDQP
			IO-Link®	PNP/ NPN	LTF12KC2LDQ
Laser Diffuse BGS/FGS	5- 24000mm	< 0.3 mm to 4 mm	-	4- 20mA, PNP/ NPN	LTF24IC2LDQ
			-	0- 10V, PNP/ NPN	LTF24UC2LDQ
			IO-Link®	PNP/ NPN	LTF24KC2LDQ

Picture	Description	Part Number
	S/S Enclosed Bracket	SMBLTFU
	S/S Mounting bracket	SMBLTFL

HUMIDITY & TEMPERATURE SENSOR w/IO LINK



Dew point calculation and output as well as temperature and humidity histogram via IO-Link

Picture	Measuring Range	Output	Part Number
	-40...100 °C 0...100 % RH	IO-Link, Switching output	CMTH-M12-IOL6X2-H1141

Picture	Description	Part Number
	M12 Mounting bracket	MW12

Preferred Stocked Item

DIFFUSE ULTRASONIC SENSORS - DIGITAL & ANALOG



Ultrasonic sensors use sound waves rather than light, making them ideal for stable detection of uneven surfaces, liquids, clear objects, and objects in dirty environments

Picture	Range	Resolution	ADJ.	Mounting	Connector	Output	Part Number
	30- 300mm	0.5mm	Pushbutton	M18	M12 5-pin	PNP/ NPN	S18UJBAQ
						4- 20mA	S18UJIAQ
	30- 300mm	0.5mm	Pushbutton	M18	M12 5-pin	4- 20mA	S18UIARQ
	50- 500mm	0.7mm	Pushbutton	M18	M12 4-pin	PNP NO/NC	QS18UPAQ08
	150- 1000mm	+/- 0.1% of Measured distance	Pushbutton	M30	M12 5-pin	2 x PNP	T30UDPAQ
	100- 1000mm				M12 4-pin	4- 20mA	T30UXIAQ08
	150- 1000mm		PNP/NPN NO/NC	T30UXDAQ08			
	200- 2000mm		M12 4-pin	Pushbutton	M30	PNP/NPN NO/NC	T30UXDBQ08
						4- 20mA	T30UXIBQ08
	300- 3000mm		M12 4-pin	Pushbutton	M30	PNP/NPN NO/NC	T30UXDCQ08
4- 20mA		T30UXICQ08					
	200- 8000mm	Repeatability 1mm	Pushbutton	M30 base	M12 5-pin	2 x PNP/NPN	QT50UDBQ6
			Pushbutton	M30 base		0- 10V 4- 20mA	QT50ULBQ6
Picture	Description		Part Number				
	M18 Bracket		SMB18A				
	M30 Bracket		SMB30A				

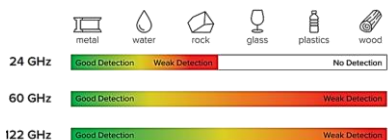
DIFFUSE ULTRASONIC SENSOR w/IO LINK



Picture	Range	Resolution	ADJ.	Thread	Mounting/ Connector	Output	Part Number
	150- 1500mm	1mm	Teach wire/ IO Link	M18	M18/ M12 4-pin	PNP/NPN NO/NC	RU150D-M18M-UPN8X2-H1141
	300- 3000mm	1mm	Teach wire/ IO Link	M30	M30/ M12 4-pin	PNP/NPN NO/NC	RU300D-M30M-UPN8X2-H1141
	600- 6000mm	1mm	Teach wire/ IO Link	M30	M30/ M12 4-pin	PNP/NPN NO/NC	RU600D-M30M-UPN8X2-H1141
Picture	Description		Part Number				
	M18 Mounting bracket		MW18				
	M30 Mounting bracket		MW30				

Preferred Stocked Item

RADAR SENSORS



Wide Beam Applications

- Mobile equipment collision avoidance
- Vehicle detection: trains, cars, boats



Narrow Beam Applications

- Drive-thru
- Gantry crane
- Overhead crane
- Loading docks
- Tank level



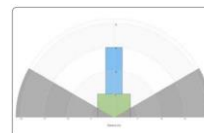
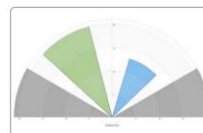
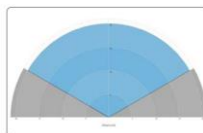
Picture	Range	Freq/ Voltage	Beam	Setting	Connector	Output	Part Number
	3m	60 GHz 10-30 V dc	80° x 60°	Software	M12 5-pin	2 NPN/PNP, PFM	K50RF-8060-LDQ
	5m		40° x 30°				K50RF-4030-LDQ
	5m	60 GHz 10-30 V dc	40° x 30°	Software	M12 5-pin	4-20mA, PNP	K50RB-4030-LIQ
						2 NPN/PNP	K50RB-4030-LDQ
	10m	122 GHz 10-30 V dc	45° x 45°	Pushbutton/ Software	M12 5-pin	2 PNP, PFM, IO Link	T30R-4545-KDQ
						4-20mA, PNP, IO Link	T30R-4545-KIQ
	15m	122 GHz 10-30 V dc	15° x 15°	Pushbutton/ Software	M12 5-pin	2 PNP, PFM, IO Link	T30R-1515-KDQ
						4-20mA, PNP, IO Link	T30R-1515-KIQ
	15m	122 GHz 10-30 V dc	15° x 15°	Software	M12 5-pin	4-20 mA, NPN/PNP, IO Link	T30RW-1515-KIQ-M40 (Encapsulated, Chemical Resistant)
	2, 3, 4, 6, 8, 12, 16 & 24m ranges	24 GHz 12-30 V dc	90° x 76°	Dipswitch	M12 5-pin	PNP/NPN	QT50R-EU-AFHQ

Picture	Description	Part Number
	Banner Programmer	PRO-KIT-ACC
	S/S Tank Level Bracket	SMBT30RTM
	S/S Bracket	SMB30A



When mounted externally on plastic tanks, T30R Radars can sense through most plastic tank walls

HIGH POWER Q90R RADAR SENSORS



The 120 deg x 40 deg field of view is highly configurable and enables precision positioning and control. Customize advanced parameters such as window shape and target setpoints. Feedback on targets includes radial distance, angular position, and target velocity, which are all useful for complex applications in difficult environments.

FOV	Range	Freq/ Voltage	Beam	Setting	Connector	Output	Part Number
FIXED	0.15 to 20m	60 GHz 10-30 V dc	40° x 40°	Software	M12 5-pin	2 NPN/PNP, IO LINK	Q90R-4040-6KDQ
Configurable			120° x 40°			1 NPN/PNP, IO LINK, 4-20mA	Q90R-4040-6KIQ
				2 NPN/PNP, IO LINK		Q90R2-12040-6KDQ	

Picture	Description	Part Number
	Banner Programmer	PRO-KIT-ACC
	S/S Bracket	SMBRAQ90R









Preferred Stocked Item


PT100 S/S TEMPERATURE ROD TYPE SENSOR - Ø 3mm & 6 mm

IP67, M12 4-pin. Stainless Steel.



Immersion Length	Picture	Process Connection	MAX Pressure Resistance	Measuring Range	Part Number
13mm (Ø 6 mm)		G1/8" male integrated process connection	100 bar	-50...120 °C	TP-103A-G1/8-H1141-L013
24mm (Ø 3 mm)					TP-103A-G1/8-H1141-L024
80mm (Ø 3 mm)		For compression fittings, thermowell or direct mounting	100 bar	-50...500 °C	TP-203A-CF-H1141-L080
100mm (Ø 3 mm)					TP-203A-CF-H1141-L100
150mm (Ø 3 mm)					TP-203A-CF-H1141-L150
100mm (Ø 6 mm)					TP-206A-CF-H1141-L100
150mm (Ø 6 mm)		For compression fittings, thermowell or direct mounting	100 bar	-50...500 °C	TP-206A-CF-H1141-L150
200mm (Ø 6 mm)					TP-206A-CF-H1141-L200
300mm (Ø 6 mm)					TP-206A-CF-H1141-L300
Picture	Description				Part Number
	Analog output 4...20 mA PNP/NPN or IO Link				TTM-100-LIUPN-H1140
	Analog output (current/ voltage), PNP/NPN or IO Link w/DISPLAY Accepts (RTD) — Pt100, Pt1000, Thermocouples (TC) - type K, B, E, J, N, R, S and T				TS720-LI2UPN8-H1141
	Mounting Bracket				FAM-30-PA66


COMPRESSION FITTINGS FOR TEMPERATURE RODS





Picture	Description	Part Number for 3mm Rods	Part Number for 6mm Rods
	Process connection G1/8" male thread	CF-M-3-G1/8-A4	
	Process connection 1/8" NPT male thread	CF-M-3-N1/8-A4	
	Process connection G1/4" male thread	CF-M-3-G1/4-A4	CF-M-6-G1/4-A4
	Process connection 1/4" NPT male thread	CF-M-3-N1/4-A4	CF-M-6-N1/4-A4
	Process connection 1/2" NPT male thread		CF-M-6-N1/2-A4
	Process connection G1/2" male thread		CF-M-6-G1/2-A4

CONTACTLESS ENCODER - PROGRAMMABLE

IP69K, -25...+85°C. 100g shock resistance.



Type	Description	Interface	Part Number
Incremental (10000 rpm)	1024 pulses per revolution (default). 360, 512, 1000, 1024, 2048, 2500, 3600, 4096, parametr. via Easy-Teach (Pin 8). Free parametrization of the pulse number in the range from 1 to 5000 via PACTware™	Incremental M12, 8-pin	1590910
Absolute single/multiturn - 16 bits/ 13 bits (800 rpm)	All functions parameterizable via IO-Link/PACTware™	 IO-Link®	1590975 1590978 (S/S housing)
Absolute single turn - 16 bits (12000 rpm)	Measuring range programmable via Easy Teach (pin 5) Output signal programmable via Easy Teach (pin 5)	0...10 V/ 4...20 mA	1590908
Absolute single turn - 16 bits (2000 rpm)	CANopen, Profile DS406 V3.2, LSS DS 305	CANopen	1590914
Absolute single/multiturn - 25 bits (6000 rpm)	Process data range parameterizable via PACTware™ Basic parameters can be adjusted via "easy teach function" - Pin 8	SSI	1590905

Picture	Description	Part Number
	Position adapter	PE1-OR24
	ALU spacer ring	M1-OR24
	Coverplate - optional	SP1-OR24
	Bush for 20mm shafts	RA1-OR24
	Bush for 10mm shafts	RA4-OR24
	Bush for 12mm shafts	RA3-OR24
	Bush for 6mm shafts	RA5-OR24

Preferred Stocked Item

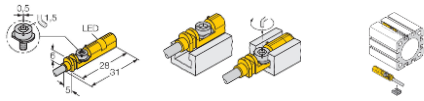
NON-CONTACT MINIATURE ENCODER WITH ANALOG OUTPUT

15...30 VDC. Resolution, 12-bit.



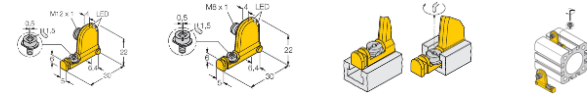
Range	Description	Interface	Part Number
Programmable range via Teach wire	360-Degree Angular Measurement. IP67 rated, temperature range of -40 to 70 °C. Pigtail with M12 connector.	0...10 V 4...20 mA	RI360P1-OR14-ELIU5X2-0.3-RS5

MAGNETIC FIELD SENSORS FOR T-GROOVE CYLINDERS - PREWIRED



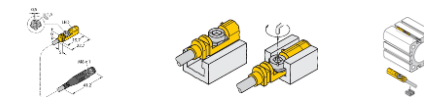
Operating Voltage	IP Rating	Connection	SW. Freq.	Repeatability	Output	Part Number
10...30 VDC	IP68	2m, PUR	1 kHz	$\leq \pm 0.1 \text{ mm}$	PNP NO	BIM-UNT-AP6X
					NPN NO	BIM-UNT-AN6X

MAGNETIC FIELD SENSORS FOR T-GROOVE CYLINDERS - INTEGRATED CONNECTOR



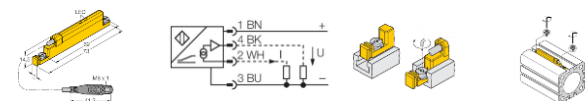
Operating Voltage	IP Rating	Connection	SW. Freq.	Repeatability	Output	Part Number
10...30 VDC	IP68	M12, 4-pin	1 kHz	$\leq \pm 0.1 \text{ mm}$	PNP NO	BIM-UNT-AP6X2-H1141
		M8, 3-pin				BIM-UNT-AP6X2-V1131

MAGNETIC FIELD SENSORS FOR T-GROOVE CYLINDERS - PIGTAIL w/CONNECTOR



Operating Voltage	IP Rating	Connection	SW. Freq.	Repeatability	Output	Part Number
10...30 VDC	IP68	M8, 0.3m Pigtail	1 kHz	$\leq \pm 0.1 \text{ mm}$	PNP NO	BIM-UNT-AP7X-0.3-PSG3M
		M12, 0.3m Pigtail				BIM-UNT-AP6X-0.3-RS4

MAGNETIC FIELD SENSORS FOR T-GROOVE CYLINDERS - PIGTAIL w/ANALOG



Operating Voltage	IP Rating	Connection	Resolution	Repeatability	Output	Part Number
10...30 VDC	IP67	M8, 0.3m Pigtail	10 bit	$\leq \pm 0.1 \text{ mm}$	0...10 V, 4...20 mA	WIM45-UNT-LIU5X2-0.3-PSG4M
		M12, 0.3m Pigtail				WIM45-UNT-LIU5X2-0.3-RS4

MAGNETIC FIELD SENSORS FOR T-GROOVE CYLINDERS - w/ IO LINK



Description	IP Rating	Connection	Measuring Range	Total Length	Model Number
Teachable via IO-Link or button 15-bit resolution Operating voltage 15...30 VDC	IP67 -20...+70 °C	0.3m TPE pigtail with M12 4-pin	32mm	45mm	WIM32-UNT-L-IOL-0.3-RS4
			64mm	77mm	WIM64-UNT-L-IOL-0.3-RS4
			96mm	109mm	WIM96-UNT-L-IOL-0.3-RS4
			128mm	141mm	WIM128-UNT-L-IOL-0.3-RS4
			160mm	173mm	WIM160-UNT-L-IOL-0.3-RS4
			224mm	237mm	WIM224-UNT-L-IOL-0.3-RS4
			256mm	269mm	WIM256-UNT-L-IOL-0.3-RS4

Preferred Stocked Item

CIP SAFETY FIELD BLOCKS (IP67)

Up to Category 4, PL e (EN ISO 13849), Up to SIL 3 (IEC 61508)

Operating Conditions: -25 to +70 °C. **Power Ports :** 24Vdc (M12 5-pin L-coded)

Setup with Rockwell's Studio 5000®, No new software to learn



Six inputs compatible with most industrial safety devices, including light curtains, e-stops, door switches, and scanners

Safety Communication Protocol	Safe Output Ports	Safe/Non-Safe Input Ports	Part Number
CIP Safety	2	6* (ISD compatible†)	RSIO-LS-6SI2SO-C

†Each input supports an ISD chain of up to 32 ISD-enabled devices—192 devices total across one RSio.

SC10 PROGRAMMABLE COMPACT SAFETY CONTROLLER

SIL 3, CAT 4, Ple. 24Vdc



Inputs/ Convertible	ISD Chains	Safety Relays	Ethernet	Part Number
10/4	Max 2 chains	2 (3 NO, 6 A each)	EtherNet IP/ ProfiNet/ Modbus TCP/ EtherCAT*/PCCC	SC10-2ROE*

NOT SUITABLE FOR MOTOR SPEED MONITORING

* Requires XSeCAT EtherCAT Communications Gateway Module

* ISD = In-Series-Diagnostics. 1 x ISD chain = Up to 32 plug-n-play devices with one in-series connection

SC26 PROGRAMMABLE SAFETY CONTROLLER - NON EXPANDABLE

SIL 3, CAT 4, Ple. 24Vdc



Inputs/ Convertible	Safe Outputs	Display	Ethernet	Part Number
26/8	2	Yes	-	SC26-2D
			EtherNet IP/ ProfiNet/ Modbus TCP/ PCCC	SC26-2DE

NOT SUITABLE FOR MOTOR SPEED MONITORING

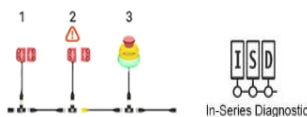
XC26 PROGRAMMABLE SAFETY CONTROLLER - EXPANDABLE

SIL 3, CAT 4, Ple. 24Vdc



Inputs/ Convertible	Safe Outputs	Display	Ethernet	Part Number
26/8	2 x Dual Channel or 4 x Single Channel	Yes	-	XS26-2D
			EtherNet IP/ ProfiNet/ Modbus TCP/ EtherCAT*	XS26-2DE
			EtherNet IP/ ProfiNet/ Modbus TCP/ EtherCAT*	XS26-ISDd*

Input Module	Inputs/ Convertible	Part Number
	8/2	XS8SI
	16/4	XS16SI
Output Module	Safety Outputs	Part Number
	Relay, 2NO/1NC, 6/2.5Amps	XS1RO
	Relay, 4NO/2NC, 6/2.5Amps	XS2RO
	2 x PNP (0.75Amps)	XS2SO
	4 x PNP (0.5Amps)	XS4SO



NOT SUITABLE FOR MOTOR SPEED MONITORING

Preferred Stocked Item

* Requires XSeCAT EtherCAT Communications Gateway Module

* ISD = In-Series-Diagnostics. 1 x ISD chain = Up to 32 plug-n-play devices with one in-series connection.

XS26-ISDd supports 8 ISD chains

SR - INTERFACE SAFETY RELAY

SIL 3, CAT 4, Ple. 24Vdc



Light Curtain/Scanner
with EDM



Safety Input	Safe Outputs	Non-Safe AUX	Safety Output Rating	Part Number
2 OSSD	3 NO	-	Relay - 6 Amps	SR-IM-9A
2 OSSD	2 NO	1 NC - 6 Amps	Relay - 6 Amps	SR-IM-11A

ES - ESTOP & GUARD MONITORING SAFETY RELAY

SIL 3, CAT 4, Ple. 24V ac/dc



E-Stop/Rope Pull



Safety Input	Safe Outputs	Aux. Outputs	Safety Output Rating	Part Number
1 NC or 2NC	3 NO	-	Relay - 6 Amps	ES-FA-9AA
1 NC or 2NC	2 NO	1 NC - 7 Amps	Relay - 7 Amps	ES-FA-11AA

UM - UNIVERSAL SAFETY RELAY

SIL 3, CAT 4, Ple. 24V ac/dc



E-Stop/Rope Pull/
Gate Switch



Safety Input	Safe Outputs	Aux. Outputs	Safety Output Rating	Part Number
2 OSSD, 2 NC, or 1 NC	2 NO	1 NC	Relay - 7 Amps	UM-FA-11A


AT - TWO HAND CONTROL SAFETY RELAY

SIL 3, CAT 4, Ple. 24V ac/dc



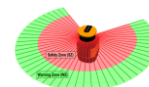
Two-Hand Control Modules



Inputs	Safe Outputs	Aux. Outputs	Safety Output Rating	Part Number
2 x STB	2 NO	-	6 Amps	AT-FM-10K
Touch Button	Connection		Part Number	
	M12, 4-pin		STBVP6Q5	

SAFETY SCANNER

Type 3, SIL 2, CAT 3, SILCI 2, PL d




Range	Zones Sets	Master	Max OSSD Outputs	Part Number
5.5m	10	add up to 3 remotes	2 x 2 OSSD	SX5-M10
5.5m	6	-	1 x 2 OSSD	SX5-B6

SAFETY INDUCTIVE SENSORS

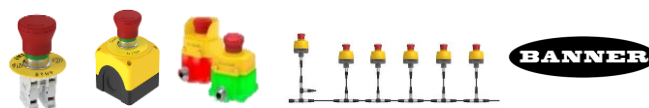
SIL 2, PL d



Thread	Sn	Output	Switch Freq.	Connector	Part Number
M12	4mm	2 x OSSD	0.1 kHz	M12, 4-pin	BI4-M12-2APS8X2-H1141
M18	8mm	2 x OSSD	0.1 kHz	M12, 4-pin	BI8-M18-2APS8X2-H1141
M30	12mm	2 x OSSD	0.1 kHz	M12, 4-pin	BI12-M30-2APS8X2-H1141
Picture	Description		Part Number		
	M12 Mounting bracket		MW12		
	M18 Mounting bracket		MW18		
	M30 Mounting bracket		MW30		

Preferred Stocked Item

E-STOPS



40mm Actuator. IP65

Picture	Contacts	Connection	Logic	Part Number
	2 NC	Screw Terminal	40mm Actuator on 22mm metal shaft Twist-to-Release	SSA-EBM-02L (Includes E-Stop Legend)
	2 NC	Screw Terminal	40mm Actuator on 22mm metal shaft with enclosure, Twist-to-Release	SSA-EBM-02E (Includes E-Stop Legend)
	2NC/1NO	M12 8-pin	Red Solid/Flashing (60mm Push Button)	SSA-EB2PLXR-12ED1O8
	2 x NC	M12 5-pin	OFF (armed), RED SOLID (PUSH)	SSA-EB1PL-02ECO5A*
	2NC/1NO	M12 8-pin	GREEN (armed), RED FLASHING (PUSH)	SSA-EB1PLGR-12ECO8
	2NC/1NO	M12 8-pin	GREEN (armed), RED FLASHING (PUSH)	SSA-EB1PLGR-12ED1O8
	2 x OSSD	M12 8-pin	GREEN (armed), RED FLASHING (PUSH)	SSA-EB1PLGR-0DECO8*
	2 x OSSD	M12 8-pin	GREEN (armed), RED FLASHING (PUSH)	SSA-EB1PLGR-0DED1O8*
	2NC/2NC	M12 5-pin	GREEN (armed), RED FLASHING (PUSH)	SSA-EB1PLGR-02ED1O5B*
Picture	Description		Part Number	
	NO Contact, suits SSA-EBM-02L/ 02E		8-LM2T-C10	
	Washdown Cover FDA Grade Silicone		SSA-EB1P-ECWC	

* compatible with Turck Safety Blocks TBIP* and TBPn*

* ISD Compatible

RFID CODED SWITCHES



Cat 4, PL e, or SIL CL 3 safety ratings. IP69K

Sao Min	Sar Max	Reset	Cascadable	Safety Contacts	Part Number
10mm	25mm	Automatic	-	2 x OSSD, 1 x PNP aux	SI-RFPT-LP5
			Yes	2 x OSSD, 1 x PNP aux	SI-REFT-LP8
			Yes	2 x OSSD, 1 x PNP aux	SI-RFDT-LP8*
Picture	Description		Part Number		
	Standard Actuator		SI-RF-A		
	Termination plug M12		SI-RFA-P		
	T Adapter for series connection		SI-RFA-TS		

* ISD Compatible

Cascade up to 32 sensors in a series using a standard 4-wire cable with M12 connectors, T-adapters, and an end plug

SAFETY S/S HINGE SWITCHES







IP69. Cat 4, SIL CL 3, PL e. -25°C to 70°C







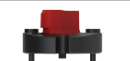

Switchpoint	Safety Contact	Cable length	Part Number	
Re-positionable	2 NC/1 NO	5m	SI-HG63A/	SI-HG63F5ML-W (Left-side mounted)
Re-positionable	2 NC/1 NO	5m	SI-HG63A/	SI-HG63F5MR-W (Right-side mounted)

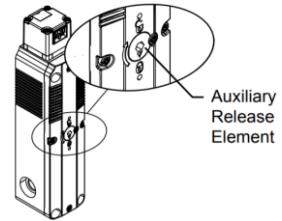
SAFETY INTERLOCK SWITCH - 1500N EXTRACTION FORCE

IP67, CAT 4, PLe, SIL CL 3. 24Vdc/ac. Thermoplastic body, Zinc head



Picture	Locking	Actuator (Safety Contacts)	Monitor (Locked) Contacts	Connection Type	Part Number
	Power Lock	1 NO	2 NC	2 x M12 5-pin	SI-GL42DM01-20Q13
	Power Unlock	1 NO	2 NC	2 x M12 5-pin	SI-GL42DS01-20Q13
	Power Unlock	1 NO	2 NC	2 x M12 8-pin	SI-GL42DS01-20Q01
	Power Unlock	1 NC	2 NC/1 NO	Wiring Chamber	SI-GL42DS10-21

Picture	Description	Part Number
	Flex Mount	SI-QM-SMFA-2
	Actuator: Straight	SI-QM-SSA-2
	Escape Release	SI-GL42-ERBD-B-1
	20mm Escape Release Extension	SI-GL42-EM20-1
	40mm Escape Release Extension	SI-GL42-EM40-1
	Back Switch	SI-GL42-ERS-B-1
	Front switch	SI-GL42-ERS-F-1
	Actuator-mounted sliding door handle with emergency release	SI-QM-SSA-SHER












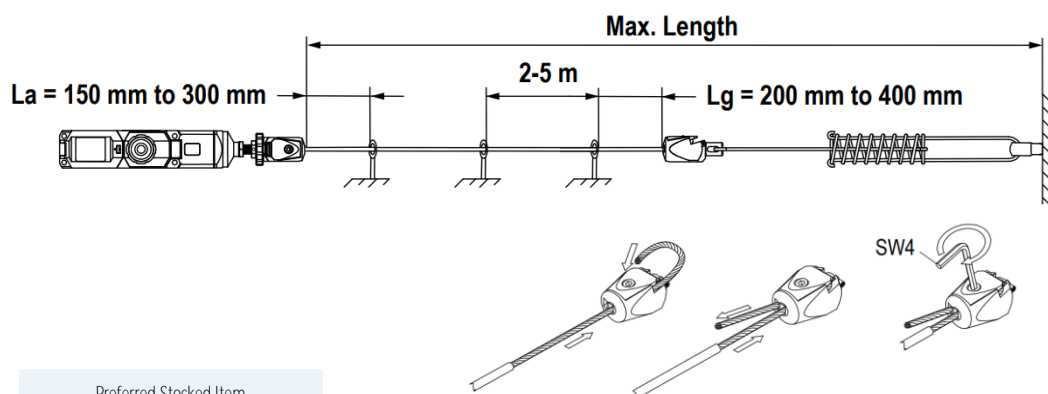
Preferred Stocked Item

SAFETY ROPE PULL



Body	Range	Estop/ Reset	Safety Contacts	AUX Contacts	Part Number
Thermo-plastic 	25m max	Estop	2 NC	2 NO	RP-LS42F-25LE
ALU 	75m max	Estop	2 NC	2 NO	RP-RM83F-75LTE

Picture	Description	Part Number
	10m rope wire (3mm steel + 0.5mm red PVC jacket)	RPA-C2-10
	20m rope wire (3mm steel + 0.5mm red PVC jacket)	RPA-C2-20
	40m rope wire (3mm steel + 0.5mm red PVC jacket)	RPA-C2-40
	50m rope wire (3mm steel + 0.5mm red PVC jacket)	RPA-C2-50
	80m rope wire (3mm steel + 0.5mm red PVC jacket)	RPA-C2-80
	¼ in -20 Eye bolt (3 in bolt shaft) (QTY 1)	RPA-FB1-1
	Hanging pulley for in-line use	RPA-P1-1
	Right-angle mount deflection pulley for corner turns	RPA-DP1-1
	Tensioning spring for 75m models	RPA-S4-1
	Tensioning spring for 25m/ 38m models	RPA-S6-1



Preferred Stocked Item

FINGER PROTECTION LIGHT CURTAIN -14MM RESOLUTION



Type 4, Ple, SIL3; CL3. IP65/IP67. -20 °C to +55 °C. Operating Range: : 0.1 m to 12 m

Defined Area	Response Time	Cascadable	Part Number
350mm	13.3ms	Yes	SLLE14-350-S / SLLCR14-350-S
420mm	15.0ms	Yes	SLLE14-420-S / SLLCR14-420-S
630mm	20.1ms	Yes	SLLE14-630-S / SLLCR14-630-S
910mm	26.9ms	Yes	SLLE14-910-S / SLLCR14-910-S
1190mm	33.7ms	Yes	SLLE14-1190-S / SLLCR14-1190-S
1470mm	40.4ms	Yes	SLLE14-1470-S / SLLCR14-1470-S

Other sizes available from 280mm to 1820mm defined area, please enquire

Washdown enclosures available

HAND PROTECTION LIGHT CURTAIN -23MM RESOLUTION



Type 4, Ple, SIL3; CL3. IP65/IP67. -20 °C to +55 °C. Operating Range: : 0.1 m to 12 m

Defined Area	Response Time	Cascadable	Part Number
420mm	9.9ms	Yes	SLLE23-420-S / SLLCR23-420-S
630mm	12.5ms	Yes	SLLE23-630-S / SLLCR23-630-S
910mm	15.9ms	Yes	SLLE23-910-S / SLLCR23-910-S
1050mm	17.5ms	Yes	SLLE23-1050-S / SLLCR23-1050-S
1190mm	19.2ms	Yes	SLL23E-1190-S / SLLCR23-1190-S
1610mm	24.3ms	Yes	SLLE23-1610-S / SLLCR23-1610-S
1750mm	26.0ms	Yes	SLLE23-1750-S / SLLCR23-1750-S

Other sizes available from 280mm to 1820mm defined area, please enquire

Washdown enclosures available

ARM PROTECTION LIGHT CURTAIN -40MM RESOLUTION



Type 4, Ple, SIL3; CL3. IP65/IP67. -20 °C to +55 °C. Operating Range: : 0.1 m to 12 m

Defined Area	Response Time	Cascadable	Part Number
1190mm	12.0ms	Yes	SLLE40-1190-S / SLLCR40-1190-S
1260mm	12.5ms	Yes	SLLE40-1260-S / SLLCR40-1260-S
1470mm	13.7ms	Yes	SLLE40-1470-S / SLLCR40-1470-S
1750mm	15.4ms	Yes	SLLE40-1750-S / SLLCR40-1750-S

Other sizes available from 280mm to 1820mm defined area, please enquire

Washdown enclosures available

BODY PROTECTION LIGHT CURTAIN



Type 4, Ple, SIL3; CL3. IP65. 0 °C to +55 °C. Operating Range: : 0.5m to 30m

Beams	Beam Spacing	Protected Height	Response Time	Part Number
2	500mm	500mm	12/19ms	SGSSP2-500Q88
4	300mm	900mm	14/25ms	SGSSP4-300Q88
4	400mm	1200mm	14/25ms	SGSSP4-400Q88

Stands & Corner Mirrors available, please enquire

Preferred Stocked Item

LED TOWER LIGHTS - 50MM OD



Picture	Connection	Interface	Colours	Default Colours out the box	Voltage/ IP Rating	Part Number
	M12 5-pin	PNP/NPN	Red		18-30 Vdc or 24 Vac / IP67	TL50RALSO
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	CL50PRGB7Q
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	CL50PRGB7AQ
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		10-30 Vdc/ IP67	TL50PBL2Q (Daylight Visible)
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		10-30 Vdc/ IP67	TL50P2Q
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		10-30 Vdc/ IP50	TL50P2AQ
	M12 4-pin	PNP/NPN			18-30 Vdc or 24 Vac / IP67	TL50GYRO
	M12 5-pin	PNP/NPN	 Hi Bright Model		18-30 Vdc or 24 Vac / IP67	TL50HGYRALSO
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	TL50PS3Q
	-		Multicolour, RGB	-	18-30 Vdc/ IP65	TL50PS3KQ
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	TL50PS3AQ
	M12 4-pin		Multicolour, RGB	-	18-30 Vdc/ IP65	TL50PS3AKQ
	M12 5-pin	PNP/NPN	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	TL50PS4Q
	M12 4-pin		Multicolour, RGB	-	18-30 Vdc/ IP65	TL50PS4KQ
	M12 4-pin		Multicolour, RGB	-	18-30 Vdc/ IP65	TL50PS4AKQ
	not adjustable	M12 8-pin	14 colours, Animations, (Needs programmer)		12-30 Vdc/ IP65	TL50PS4AQ

Preferred Stocked Item










LED TOWER LIGHTS - 70MM OD (MODULAR)

Stack up to six single color segments plus one audible per device
IP65. 12-30 V dc or 100- 250Vac. M30 Threaded base (nut supplied)



Segment	Picture	Selectable Functions via Dipswitches	Part Number
14-color RGB		Flashing/ Strobing (0.5Hz, 1.5Hz, 3 Hz), Intensity Sweep, Hi/Lo Steady On/Flashing	SG-TL70-RGB14
Green			SG-TL70-G
Yellow			SG-TL70-Y
Red			SG-TL70-R
Blue			SG-TL70-B
White			SG-TL70-W
Orange			SG-TL70-O
Audible Module		Adj to 92 db, 4 tones (Pulse, Chirp, Siren & Continuous Alarm)	SG-TL70-A
Base Module, Supports 1-4 Modules		M12 5-pin connector (Base comes with Tower top cover)	B-TL70-Q5
Base Module, Supports 1-6 Modules		M12 8-pin connector (Base comes with Tower top cover)	B-TL70-Q8
100- 250Vac Base Module, Supports 1-4 Modules		1/2-20 UNC Connector. Requires Micro-style Quick Disconnect Cable - MQAC2-515 (5m)	B-TL70Z-Q5

COMMON ACCESSORIES FOR 50MM TOWER LIGHTS

Picture	Description	P/N For TL50 Models	P/N For TL70 Models
	Mounting Bracket	SMB30A	SMB30A
	Sealed Right Angle bracket	LMB30RA	LMB30RA
	Banner Programmer	PRO-KIT-ACC	PRO-KIT-ACC
	Sealed Right Angle bracket. Optional SOP-E... Stand-off pipe & SA-M30...	LMBE12RA	LMBE12RA
	150mm ALU Stand-off pipe	SOP-E12-150A	SOP-E12-150A
	300mm ALU Stand-off pipe	SOP-E12-300A	SOP-E12-300A
	900mm ALU Stand-off pipe	SOP-E12-900A	SOP-E12-900A
	Mounting Base 70 mm diameter for SOP-E12..	SA-F12	SA-F12
	Stand-off pipe cover	SA-M30TE12	SA-M30
	Mounting Base for ALU pipe	SA-E12M30	SA-E12M30
	Adapter kit, 150mm ALU Stand-off Pipe, Base Mount	SOK-TL50-150A	SOK-TL70-150A
	Adapter kit, 300mm ALU Stand-off Pipe, Base Mount	SOK-TL50-300A	-

Preferred Stocked Item

LED INDICATORS - 30MM OD



Picture	Default Colours	Colours/ Description	Voltage/ IP Rating	Part Number
		14-colours programmable via Banner Programmer (PRO-KIT-ACC), M12 5-pin	12-30 Vdc/ IP69K	K30L2RGB7Q

LED INDICATORS - 50MM OD



Picture	Connection	Interface	Colours	Default Colours out the box	Voltage/ IP Rating	Part Number
	M12 5-pin	PNP/NPN			12-30 Vdc/ IP69K	K50LGRY2PQ
						K50GRYPQ
	M12 5-pin	PNP/NPN	7- Colour RGB, (Requires programmer - PRO-KIT-ACC)		10-30 Vdc/ IP69K	K50PBLRGB7Q Daylight Visible
	M12 5-pin	PNP/NPN	14 colours, Animations, (Requires programmer - PRO-KIT-ACC)		12-30 Vdc/ IP69K	K50L2RGB7Q K50PSLRGB7Q
	-		Multicolour, RGB	-	18-30 Vdc/ IP69K	K50L2RGBKQ K50PSLKQ
	M12 5-pin	PNP/NPN	14 colours, Animations, (Requires programmer - PRO-KIT-ACC)		12-30 Vdc/ IP69K	K50L2RGB7ALSO
	-		Multicolour, RGB	-	18-30 Vdc/ IP67	K50L2RGBKALSO

LED INDICATORS - 90MM OD



Picture	Audible	Default Colours out the box:	Voltage/ IP Rating	Part Number
	PNP M12 5-pin		18-30 Vdc/ IP67	K90LGYRPO
	PNP M12 5-pin	7-color RGB Indicator (Need programmer - PRO-KIT-ACC) 3 x inputs, Boolean logic gives 7 colours	12-30 Vdc/ IP69K	K90PLRGB7Q

TRAFFIC LIGHTS



Long-lasting DAYLIGHT VISIBLE LED technology. 15-30 V dc. IP67

Picture	Colours	Connection	Input	Part Number
	Green, Red	M12 4-pin connector	PNP	SP250GRPO
	Green, Yellow, Red	M12 4-pin connector	PNP	SP350GYRPO

Preferred Stocked Item

LED BEACON -100MM OD



IP66, IP69K, -40 to +60 °C

Default Colours	Programmable Colours/ Animations/ Audible	Voltage/ Output	Part Number
Display up to 3 selected colours via input wire selection	On, Flash, Rotate, Two Color Flash, Two Color Cycle, Intensity, Sweep NO AUDIBLE	12 to 48 V DC, M12 5-pin, PNP/NPN	K100PBLGYRO (Daylight Visible)
Display up to 3 selected colours via input wire selection	On, Flash, Rotate, Two Color Flash, Two Color Cycle, Intensity, Sweep Pulse, Wobble, Strobe, Whoop, Staccato, Siren, Continuous, 1, Continuous 2, Jingle, Melody 1, Melody 2, Melody 3. 93db- 101db ajustable	12 to 48 V DC, M12 5-pin, PNP/NPN	K100PBLGYRAO (Daylight Visible)
Display up to 7 selected colours via input wire selection (Boolean)	'Steady, Flash, Two Color Flash, Intensity, Sweep, Two Color, Sweep, Wave, Double Wave. Normal, Strobe, 3-Pulse, SOS, Random. Clockwise (CW), Counter-Clockwise (CCW) NO AUDIBLE	12 to 48 V DC, M12 5-pin, PNP/NPN	K100PLRGB7O (High Bright - Indoor use)
Display up to 7 selected colours via input wire selection (Boolean)	On, Flash, Rotate, Two Color Flash, Two Color Cycle, Intensity, Sweep. Pulse, Wobble, Strobe, Whoop, Staccato, Siren, Continuous, 1, Continuous 2, Jingle, Melody 1, Melody 2, Melody 3. 93db- 101db ajustable	12 to 48 V DC, M12 5-pin, PNP/NPN	K100PLRGB7AO (High Bright - Indoor use)
Flashing by wire selection - 1Hz, 5Hz, 0.5Hz, strobe, 3-pulse strobe, intensity sweep. Use AC cordset MQAC2-50*	- Blue ONLY	100 V AC to 240 V AC	K100B-BLZRO (Daylight Visible)
Display 3 colours via input wire selection	Colour by wire selection	100 V AC to 240 V AC	K100PBLZGYRO (Daylight Visible)

Picture	Description	Part Number	Picture	Description	Part Number
	Banner Programmer	PRO-KIT-ACC		5m Use with AC Models only	MOAC2-515
	2m Use with AC Models only	MOAC2-506		9.14m Use with AC Models only	MOAC2-530

SEE PAGE 33 FOR MOUNTING ACCESSORIES

Other Lengths available

PROGRAMMABLE DISPLAY BEACON -100MM OD



IP69K, 12/18- 30Vdc

Interface	Audible	Programmable Colours/ Animations/ Audible	Part Number
IO LINK	No Audible	14 Configurable Colours, 32 scrolling alphanumeric characters	K100PDBLRBKO
	Programmable		K100PDBLRBKAQ
15 State Discrete	-	14 Configurable Colours, 32 scrolling alphanumeric characters Requires PRO-KIT-ACC programmer	K100PDBLRGBD15Q
	Programmable		K100PDBLRGBD15AQ

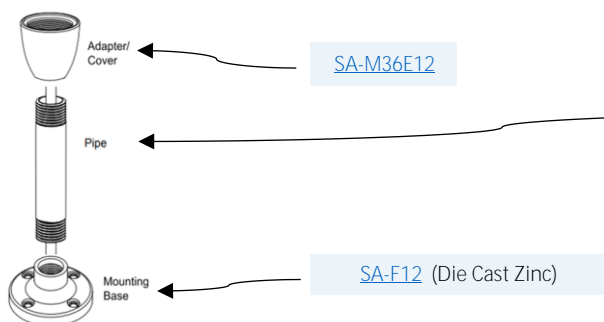
Picture	Description	Part Number
	Banner Programmer	PRO-KIT-ACC

SEE PAGE 33 FOR MOUNTING ACCESSORIES

Preferred Stocked Item

MOUNTING ACCESSORIES FOR K100 BEACONS

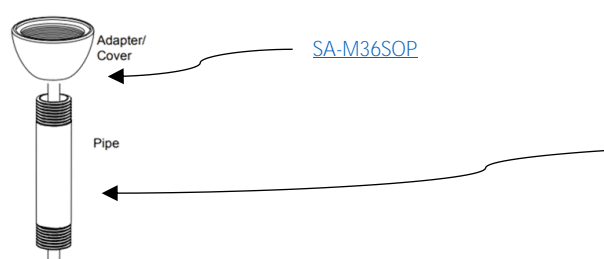
Elevated Mount System (1/2" Pipes)



Black Anodised ALU, 1/2" NPT pipe

Description	Part Number
150mm	SOP-E12-150A
300mm	SOP-E12-300A
600mm	SOP-E12-600A

Elevated Mount System (3/4" Pipes)



Black Anodised ALU, 3/4" NPT pipe

Description	Part Number
150mm	SOP-E34-150A
300mm	SOP-E34-300A
600mm	SOP-E34-600A

Picture	Description	Part Number
	Mounting Bracket	LMB36RA

CABINET LIGHTING



Length	Picture	lumens	Colour	Voltage	Connection	Features	Part Number
220mm		175	5000K (Daylight White)	12 or 24 Vdc	M12 4-pin 150mm PVC Pigtail	-	WLS15XDW0220DSOP
360mm		350					WLS15XDW0360DSOP
500mm		525					WLS15XDW0500DSOP
640mm		700					WLS15XDW0640DSOP
920mm		1050					WLS15XDW0920DSOP
1200mm		1400					WLS15XDW1200DSOP
285mm		750mm	5000K (Daylight White)	12 or 30 Vdc	2m cable	Switch Hi/Low/Off	WLB32C285PB
					M12 4-pin	Motion Sensor	WLB32C285MQ
					M12 4-pin	Switch Hi/Low/Off	WLB32C285PBO
					2m cable	Switch Hi/Low/Off	WLB32C570PB
570mm	IP50	750mm	Yellow	90-264 V ac	Quick Disconnect. Requires LOMAC-3061 2m Cordset	Cascadable	WLB32C570OMC
						Switch Hi/Low/Off	WLB32CY570PBOMC
						Cascadable	

Preferred Stocked Item

22MM MOUNT TOUCH BUTTONS

Capacitive Touch Technology. Can be actuated with bare hands or gloves

Excellent immunity to false triggering by water spray, detergents & oils. 10- 30Vdc, -40 °C to +50 °C




Connection	Default Colour by Input	Colour on Power/ Touch	Part Number
M12 5-pin		Can be programmed, default is none	S22AMTSGRY3Q
Screw Terminal	Programmable to 14-colours with Programmer PRO-KIT-ACC		S22AMTSGRY3T

30MM OD TOUCH BUTTONS

Capacitive Touch Technology. Can be actuated with bare hands or gloves

Excellent immunity to false triggering by water spray, detergents & oils. 12- 30Vdc, -40 °C to +50 °C





Interface	Input	Output	Colour on Power/ Touch	Connection	Part Number
-	2 x programmable inputs (14-colours, requires programmer - PRO-KIT-ACC)	NPN/PNP NO/NC	Can be programmed, default is none	M12 5-pin	K30PTAMGRY3Q
 IO-Link®	14-colours via IO Link	-		M12 4-pin	K30PTKQ

50MM OD TOUCH BUTTONS

Capacitive Touch Technology. Can be actuated with bare hands or gloves

Excellent immunity to false triggering by water spray, detergents & oils. 12- 30Vdc, -40 °C to +50 °C



Interface	Default Colour by Input	Colour on Power/ Touch	Connection	Part Number
-		Can be programmed, default in none	M12 5-pin	K50PTAMGRY3Q (old P/N) K50PSTGRY3Q
 IO-Link®	14-colours + animations via IO Link		M12 4-pin	K50PSTKQ

900MHZ RADIOS - "WIRE REPLACEMENT"






Easily sets up without software

You can replace cables and extend the range of signals with minimal effort.

Operating Conditions -40 °C to +85 °C, 10- 30VDC



Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	Serial	Range	Part Number
6	6	-	-	RS-485 (Gateway)	Up to 9.6 km*	DX80G9M6S-PM8 / DX80N9X6S-PM8
4	4	2 (0/4- 20mA)	2 (0/4- 20mA)			DX80G9M6S-PM2 / DX80N9X6S-PM2

Picture	Description	Part Number
	DIN Rail Assembly mount	SMBDX80DIN
	Antenna Omni Dome 2 dBi Box Mount	BWA-902-D
	Surge Suppressor Bulkhead RP-SMA	BWC-LMRSFRPB
	Male to Female bulkhead 0.2m	BWC-1MRSFRSB0.2
	Male to Female bulkhead 1m	BWC-1MRSFRSB1
	Male to Female bulkhead 4m	BWC-1MRSFRSB4
	Male to Female Extension 3m	BWC-2MRSFRS3
	Male to Female Extension 6m	BWC-2MRSFRS6
	Male to Female Extension 9m	BWC-2MRSFRS9
	Male to Female Extension 12m	BWC-2MRSFRS12


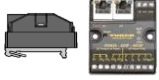
* Radio range is with the 2 dB antenna that ships with the product. High-gain antennas are available, but the range depends on the environment and line of sight. Always verify your wireless network's range by performing a Site Survey

[Performing a Site Survey](#)

Preferred Stocked Item






IO LINK MASTERS

TURCK

Picture	Channels	Digital	Interface	Connections	Part Number
 IP69K, -40...+70 °C	8 x Class A	16 DI/DO	EtherNet/IP, Modbus TCP, PROFINET, CC-Link IE field basic	EtherNet = M12 4-pin PWR = M12 L-Coded I/O = M12 5-pin	TBEN-LL-8IOLA
	4 x Class A, 4 x Class B	4 DI, 4 DI/DO			TBEN-LL-8IOL
	4 x Class A, 4 x Class B	4 DI, 4 DI/DO	EtherCat		TBEC-LL-8IOL
 IP20, -25...+70 °C	4 x Class A	4 DI/DO	EtherNet/IP, Modbus TCP, PROFINET	EtherNet = RJ45 PWR & I/O = Screw Terminal	FEN20-4IOL FDN20-BKT-DIN DIN ADAPTER

IO LINK HUBS (SLAVES)

TURCK


Picture	Inputs/ Outputs	I/O Connection	IP Rating	Voltage	Part Number
	8 DI/DO	M8 3-pin	IP69K	18...30 VDC	TBIL-S3-8DXP
	16 DI/DO	M12 5-pin	IP69K	18...30 VDC	TBIL-M1-16DXP
	8 DI/DO	Screw Terminals	IP20	20.4...28.8 VDC	FIL20-8DXP-DIN
	8 DI/DO	Screw Terminals	IP20	20.4...28.8 VDC	FIL20-8DXP-E (IO Link via M12 thru wall feed)
	16 DI/DO	Screw Terminals	IP20	18...30 VDC	FIL20-16DXP

IP69K COMPACT ETHERNET BLOCKS - ANALOG

TURCK

24Vdc, -40...+70 °C



Picture	I/O	Interface	Part Number
	4 x AO (V, I), M12 5-pin	EtherNet/IP slave, Modbus TCP Slave PROFINET slave, CC-Link IE field basic	TBEN-S2-4AO
	4 x AI (V, I, RTD, TC), M12 5-pin		TBEN-S2-4AI

Preferred Stocked Item

UNIVERSAL IO LINK CONVERTERS - M12 CONNECTORS



IP68. -40 °C to +70 °C

Picture	Input	Output	Resolution/ Accuracy	Part Number
	4- 20mA	IO-Link®	14-bit/ 0.5%	S15C-I-KQ
	0- 10V	IO-Link®	13-bit/ 0.5%	S15C-U-KQ
	Modbus Generic	IO-Link®	-	S15C-MGN-KQ
	IO-Link®	0- 10V	14-bit/ 0.5%	R45C-K-UQ
	IO-Link®	4- 20mA	14-bit/ 0.5%	R45C-K-IQ
	IO-Link®	AI/ AO (Current)	14-bit/ 0.5%	R45C-KII-IIQ
	IO-Link®	AI/ AO (Voltage)	14-bit/ 0.5%	R45C-KUU-UUQ

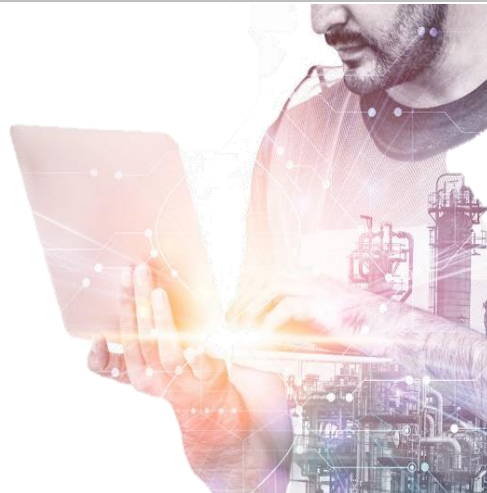
IP20 ETHERNET DIGITAL I/O



24 VDC, -40...+70 °C

Picture	I/O	I/O Connection	Interface	Part Number
	4 x DI 4 x DI/DO (1A)	Screw Terminal	EtherNet/IP slave, Modbus TCP Slave PROFINET slave	FEN20-4DIP-4DXP
				FDN20-BKT-DIN DIN ADAPTER
	16 DI/DO (1A)	Screw Terminal	EtherNet/IP slave, Modbus TCP Slave PROFINET slave	FEN20-16DXP

TURCK EXCOM - SAFE USE OF ETHERNET IN EX AREAS



The excom Ethernet gateway is approved for installation in zone 2 Ex areas or in safe areas. It not only transmits usage data to the control system via multiprotocol Ethernet (PROFINET, EtherNet/IP, Modbus TCP). In addition to this user data, analysis data can be retrieved from the gateway by suitable network participants and transferred to outsourced IT systems.

These run in parallel over the same network. The IT system for data analysis has read authorization only. This prevents tampering with the process or control system. The systems for data analysis can be realized on premises without an external network connection or in cloud systems.



Preferred Stocked Item

IP20 REMOTE I/O & CODESYS GATEWAYS

Available as Gateway or Programmable Gateway (CODESYS 3)
 Compact In-the-Cabinet Distributed I/O for Ethernet
 Integrated Ethernet switch. Slices are 12.6mm wide
 24 VDC, 0...+55 °C

TURCK


Interface Protocol	Gateway/ PLC	Part Number
Modbus TCP, EtherNet/IP™ and PROFINET EtherCAT	Gateway only	BL20-E-GW-EN
	Gateway only	BL20-E-GW-EC-20
Modbus TCP, EtherNet/IP™ and PROFINET. OPC Server	CODESYS V3 PLC	BL20-PG-EN-V3
	CODESYS V3 PLC, WebVisu License	BL20-PG-EN-V3-WV

Digital Economy Slices

Picture	Description	Part Number
	8 DI	BL20-E-8DI-24VDC-P
	16 DI	BL20-E-16DI-24VDC-P
	8 DO	BL20-E-8DO-24VDC-0.5A-P
	16 DO	BL20-E-16DO-24VDC-0.5A-P

[How to Set Up a BL20 Gateway](#)
[RSLogix 5000 adding Turck BL20 Over Ethernet](#)

Analog Economy Slices

Picture	Description	Part Number
	4 AI (Thermocouple)	BL20-E-4AI-TC
	4 AO (Voltage/ Current)	BL20-E-4AO-U/I
	8 AI (V/I, PT, NI)	BL20-E-8AI-U/I-4PT/NI

IO Link Economy Slices

Picture	Description	Part Number
	4 x IO Link, 4 x DI/DO (16 bytes)	BL20-E-4IOL
	4 x IO Link, 4 x DI/DO (32 Bytes)	BL20-E-4IOL-10

Counter Economy Slices

Picture	Description	Part Number
	2 x CNT/ Encoder IN, 2 x PWM OUT	BL20-E-2CNT-2PWM

Plug-in Modules + Tension Spring base

Picture	Description	Part Number
	4 Analog Inputs	BL20-4AI-U/I , BL20-S6T-SBCSBC
	1 x SSI input	BL20-1SSI , BL20-S4T-SBBS
	RS232	BL20-1RS232 , BL20-S4T-SBBS
	RS485/422	BL20-1RS485/422 , BL20-S4T-SBBS
	RFID Module (2 Channels)	BL20-2RFID-S , BL20-S4T-SBBS
	12/230VAC Power Feed Module	BL20-PF-120/230VAC-D , BL20-P4T-SBBC
	24VDC Redundant Supply	BL20-BR-24VDC-RED , BL20-S4T-SBBC
	24VDC Supply	BL20-PF-24VDC-D , BL20-P3T-SBB
	24VDC Bus Refreshing Module	BL20-BR-24VDC-D , BL20-P3T-SBB-B

3-Phase Energy Measurement Module

Picture	Description	Part Number
	For Rogowski Coils, 3 x CH	BL20-E-3EMM-RC
	For current transformers, 3 x CH	BL20-E-3EMM-CT

Preferred Stocked Item

UNMANAGED ETHERNET SWITCHES (IP30)



Transmission Rate	Fieldbus Connection	IP Rating	Ethernet/ Ports	Supply	Part Number
100 Mbps	RJ45	IP30	5	6...36 VDC	TNIC-UX-5FE
1000 Mbps	RJ45	IP30	5	9...36 VDC	TNIC-UX-5GE
100 Mbps	RJ45	IP30	8	6...36 VDC	TNIC-UX-8FE
1000 Mbps	RJ45	IP30	8	9...36 VDC	TNIC-UX-8GE
100 Mbps	RJ45	IP30	16	9...36 VDC	TNIC-UX-16FE

UNMANAGED ETHERNET SWITCH (IP69K)



Transmission Rate	Fieldbus Connection	IP Rating	Ethernet/ Ports	Supply	Part Number
100 Mbps	M12, D-Coded	IP69K	8	8...30 VDC	TBEN-LL-SE-U1

MANAGED ETHERNET SWITCH (IP69K)

8x 100-Mbit Ports, 2x 1-Gbit Ports



Transmission Rate	Fieldbus Connection	IP Rating	Ethernet/ Ports	Supply	Part Number
100 Mbps	M12, D-Coded	IP69K	8	8...30 VDC	TBEN-L5-SE-M2

EX BARRIERS

Zone 2



Input	Channels	Outputs	Part Number
Isolating Switching Amplifier (Namur)	2	2 x Relay (complementary)	IMX12-DI01-2S-2R-0/24VDC
		2 x transistor outputs	IMX12-DI01-2S-2T-0/24VDC
0...5VDC LOW/ 10...30VDC HIGH	2	Solenoid Driver Max 27.3V @ 68.4mA	IMX12-DO01-2U-2U-0/24VDC
4...20mA Signal Isolator (HART®)	1	4...20mA	IMX12-AO01-1I-1I-H0/24VDC
	2		IMX12-AO01-2I-2I-H0/24VDC
	1	1 x [4..20mA (source/sink), 1..5V source]	IMX12-AI01-1I-1IU1R-H0/24VDC
	2	2 x [4..20mA (source/sink), 1..5V source]	IMX12-AI01-2I-2IU-H0/24VDC
RTD Temperature measuring amplifier	2	2 × source/sink (15...28 V) 0/4...20 mA	IMX12-TI01-2RTDR-2I-C0/24VDC
Frequency Transducer/Pulse Counter (Dry/ Namur)	1	0/4...20 mA current output and a normally open relay	IMX12-FI01-1SF-1I1R-C0/24VDC

Preferred Stocked Item

LED TEXT STATUS DISPLAY

16-character Ultrabright LED display that allows up to 32 characters when scrolling
Characters are legible up to 10 meters

A cost-efficient alternative to expensive HMIs. IP65

[HOW-TO-VIDEOS](#)



Interface	Display	Programmer Required	Connection	Part Number
Discrete	300 x 50mm	PRO-KIT-ACC	150mm pigtail with M12 4-pin	SD50P300WD15QP
IO-Link*		-		SD50P300WKQP

TX100 ECONOMY DISPLAY w/TX VISUPRO RUNTIME

IP66 front, IP20 rear. Free software. 10- 30Vdc.

Ideal for cost-sensitive display-only applications

Trend presentation, Alarm handling, Scheduler and timed actions, Recipes

Script debugger Data acquisition and logging



Screen	Resolution	Brightness	Processor	Memory/ RAM	Interfaces	Part Number
4.3" TFT, 64K	480 x 272 pixel	200 Cd/m ²	A8, 300 MHz	2048 MB/ 256 MB	1 x RJ45 Ethernet, 1 x RS232/485/422, 1 x USB	TX104-00VPST
7" TFT, 64K	800 x 480 pixel	200 Cd/m ²	A8, 1 GHz	4096 MB/ 512 MB		TX107-00VPST
10.1" TFT, 64K	1024 x 600 pixel	200 Cd/m ²	A8, 1 GHz	4096 MB/ 512 MB		TX110-00VPST

TX407 HMI w/CODESYS PLC SERIES, 1 x CAN PORT

CODESYS V3 PLC with TARGET and WEB VISU. IP66 front, IP20 rear. Free software. 10- 30Vdc.

Protocols: ProfiNet, EtherNet/IP, Modbus TCP, EtherCAT, Modbus RTU, CANopen

Powerful browser with industry standard Web engines

Scripting language for automating HMI applications

[How to Use the TX VisuPro Software](#)



Screen	Resolution	Brightness	Processor	Memory/ RAM	Interfaces	Part Number
7" TFT	1024 x 600 Pixel WSVGA	400 Cd/m ²	64-bit RISC, Quad-Core 1.6 GHz	4 GB/ 2048 MB	2 x RJ45 Ethernet, 1 x RS232/485/422, 1 x USB, 1 x CAN	TX407-P3CV01

TX700 HMI w/INTEGRATED CODESYS PLC

CODESYS V3 PLC with TARGET and WEB VISU. IP66 front, IP20 rear. Free software. 10- 30Vdc.

Protocols: ProfiNet, EtherNet/IP, Modbus TCP, EtherCAT, Modbus RTU, CANopen

I/O optionally pluggable directly on-board

Use in complex systems and demanding, parallel tasks



Screen	Resolution	Brightness	Processor	Memory/ RAM	Interfaces	Part Number
5" TFT, 64K	800 x 480 pixel	300 Cd/m ²	A8, 1 GHz	4 GB/ 512 MB	2 x RJ45, 1 x Serial, 1 x USB, 1 x SD Slot, 2 x Expansion	TX705-P3CV01
7" TFT, 64K	800 x 480 pixel	500 Cd/m ²	A9, Dual-core 0.8 GHz	4 GB/ 1024 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX707-P3CV01
7" TFT, 16M Sunlight Readable	800 x 480 pixel	600 Cd/m ²	A9, Dual-core 0.8 GHz	4 GB/ 1024 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX707HB-P3CV01
10" TFT, 64K	1200 x 800 pixel	500 Cd/m ²	A9, Dual-core 0.8 GHz	4 GB/ 1024 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX710-P3CV01
10" TFT, 16M Sunlight Readable	1200 x 800 pixel	600 Cd/m ²	A9, Dual-core 0.8 GHz	4 GB/ 1024 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX710HB-P3CV01
15" TFT, 16M	1366 x 768 pixel	400 Cd/m ²	A9, Dual-core 0.8 GHz	8 GB/ 2048 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX715-P3CV01
20" TFT, 16M	1920 x 1080 pixel	300 Cd/m ²	A9, Dual-core 0.8 GHz	8 GB/ 2048 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX721-P3CV01

See Plug-in-modules on page 40

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Preferred Stocked Item

TX700FB FOOD GRADE HMI w/INTEGRATED CODESYS PLC

CODESYS V3 PLC with TARGET and WEB VISU
 I/O optionally pluggable directly on-board
 Protocols: ProfiNet, EtherNet/IP, Modbus TCP, EtherCAT, Modbus RTU, CANopen
 Real World IP69 Rating. Perfect Stainless Steel Bezel Design
 Acid Chemical Resistant, Food Compliant Gasket. High Pressure 80°C Water tight



Screen	Resolution	Brightness	Processor	Memory/ RAM	Interfaces	Part Number
7" TFT - 16M	800 x 480 pixel	500 Cd/m ²	A9, Dual-core 0.8 GHz	4 GB/ 1024 MB	3 x RJ45, 1 x Serial, 2 x USB, 1 x SD Slot, 2 x Expansion	TX707FB-P3CV01
15" TFT - 16M	1366x768 pixel	400 Cd/m ²		8 GB/ 2048 MB		TX715FB-P3CV01

See Plug-in-modules below

[How to Use the TX VisuPro Software](#)

IOT GATEWAY (EDGE CONTROLLER) w/CODESYS

IOT Gateway — CODESYS V3 PLC with WEB VISU
 Protocols: ProfiNet, EtherNet/IP, Modbus TCP, EtherCAT, Modbus RTU, CANopen
 I/O optionally pluggable directly on-board
 Gateway function with OPC UA Server and Client (with TX VisuPro)



Memory	RAM	Processor	Real Time Clock	Interfaces	Part Number
8192 MB	2048 MB	A9, Dual-core 0.8 GHz	Yes	3 x RJ45 Ethernet, 1 x RS232/485/422, 2 x USB host, 1 x power supply, 2 x expansion slot	TX700Q-P3WV01
4096 MB	1024 MB				TX700D-P3WV01
4096 MB	512 MB	A8, 1 Ghz	TX700S-P3WV01		

PLUG-IN MODULES FOR TX700 SERIES

Picture	Description	Part Number
	RS485 Interface	TX-RS485
	RS232 Interface	TX-RS232
	CANopen Manager	TX-CAN
	8 DI, 6 DO, 1 relay output	TX-IO-DX06
	20 DI, 12 DO 0.5A, 8 AI, 4 AO	TX-IO-XX03
	Plug-in extension Use with TX705-P3CV01	TX-EXTEND



Preferred Stocked Item







E.I.C. *Electrical
Importing
Company*