Safety System Products

XCONN P6-M12-10m

Passive distributor

Your advantages

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The XCONN passive distributor enables the connection of up to 6 SAFIX safety sensors – optionally in combination with HOLDX process locks from the S1 and L1 series – and thus minimises the wiring work required.

The LEDs on the distributor box indicate to the user whether the door is open and whether the magnet has locked. The safety circuit is switched in series via the XCONN passive distributor, while information signals are available for individual analysis. Connection is via a 19-pole M23 connector or a fixed cable (5 m or 10 m).

General data	
Type designation	XCONN P6-M12-10m
Functional type	Passive distributor
Item number	1027828
Item number (old)	SP-X-71-000-04

Environmental conditions	
Max. storage temperature	-25...+ 70 °C
Max. operating temperature	-20...+ 65 °C

Electrical data	
Design / Connections	M12 female connector
Contact material	Brass with gold-plated contacts
Max. voltage (VDC)	2,0 A
Resistance value	≤ 5 Ohm

Mechanical data	
Width	54 mm
Length	127 mm
Height	29 mm
Housing material	PBT

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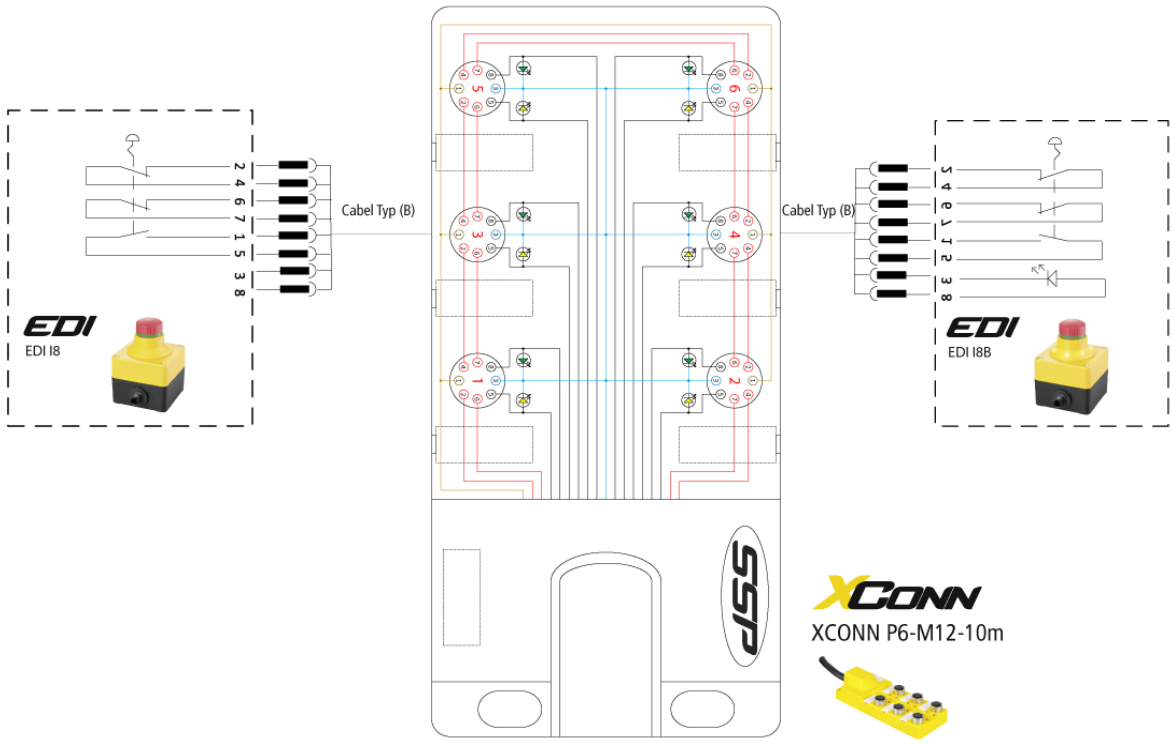
XCONN P6-M12-10m

Electrical drawings

Connection example 1



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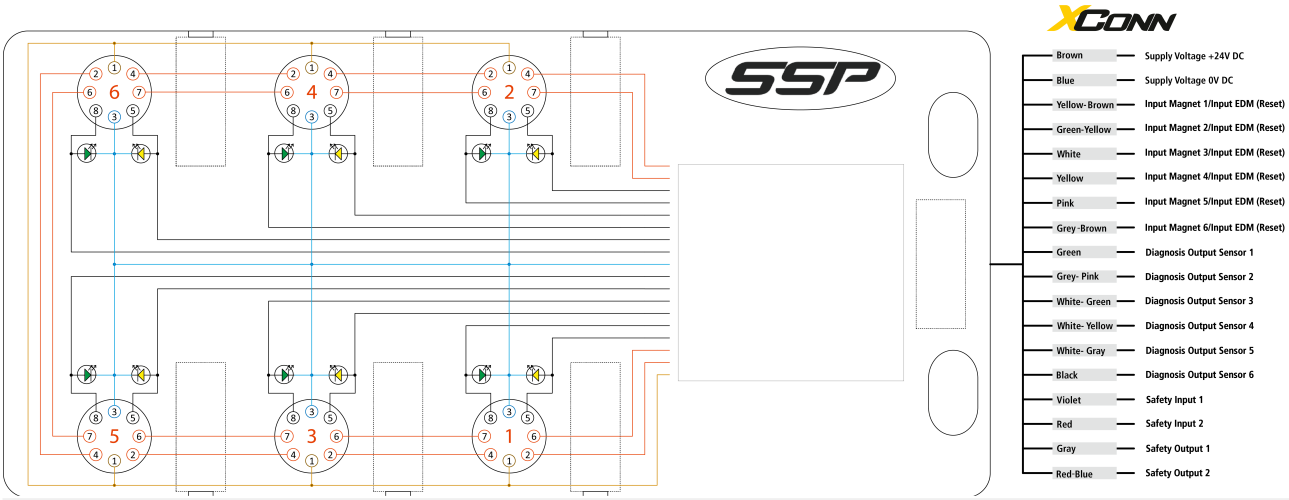
XCONN P6-M12-10m

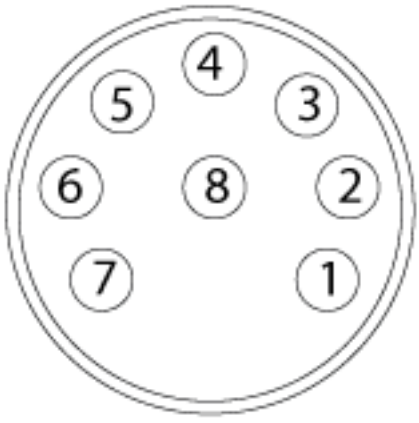
Connection example 2



Pin assignment 1

Anschlussstecker

X2.1 - X2.6- Safety Sensor



M12, 8 Pin
View from above

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XCONN P6-M12-10m

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XCONN P6-M12-10m

Pin assignment 2

Pin Distribution

X1.1-Supply Line		X2.1 – X2.6-Safety Sensor								
				Slot					
Pin	Color Connection Cable M23	Function		1	2	3	4	5	6
				Pin					
1	Violet	X1	Safety Input 1	2	a	c	e	g	i
2	Red	X2	Safety Input 2	6	b	d	f	h	k
3	Grey	Y1	Safety Output 1	a	c	e	g	i	4
4	Red-Blue	Y2	Safety Output 2	b	d	f	h	k	7
5	Green	OUT1	Diagnostic Output (SAFIX, HOLDX)	5					
6	Blue	A2	GND	3	3	3	3	3	3
7	Grey-Pink	OUT2	Diagnostic Output (SAFIX, HOLDX)		5				
8	White-Green	OUT3	Diagnostic Output (SAFIX, HOLDX)			5			
9	White-Yellow	OUT4	Diagnostic Output (SAFIX, HOLDX)				5		
10	White-Grey	OUT5	Diagnostic Output (SAFIX, HOLDX)					5	
11	Black	OUT6	Diagnostic Output (SAFIX, HOLDX)						5
12	Green-Yellow	Frei	(nicht verwendet)						
13	Yellow-Brown	In1	Input (Magnetic HOLDX)	8					
14	Brown-Green	In2	Input (Magnetic HOLDX)		8				
15	White	In3	Input (Magnetic HOLDX)			8			
16	Yellow	In4	Input (Magnetic HOLDX)				8		
17	Pink	In5	Input (Magnetic HOLDX)					8	
18	Grey-Brown	In6	Input (Magnetic HOLDX)						8
19	Brown	A1	Input (Magnetic HOLDX)	1	1	1	1	1	1

Internal Bridges: a, b, c, d, e, f, g, h, i, k

a-a	f-f
b-b	g-g
c-c	h-h
d-d	i-i
e-e	k-k

X2.1 – X2.6-Safety Sensor				
Pin	Possible Colorcode of other customary connectors in relation to EN 60947-5-2:2007	Color code according to DIN 47100	Function	
1	Brown	White	A1	Ue
2	White	Brown	X1	Safety Input 1
3	Blue	Green	A2	GND
4	Black	Yellow	Y1	Safety Output 1
5	Grey	Grey	OUT	Diagnostic Output (SAFIX, HOLDX)
6	Pink	Pink	X2	Safety Input 2
7	Violet	Blue	Y2	Safety Output 2
8	Orange	Red	IN	Input (Magnetic HOLDX)

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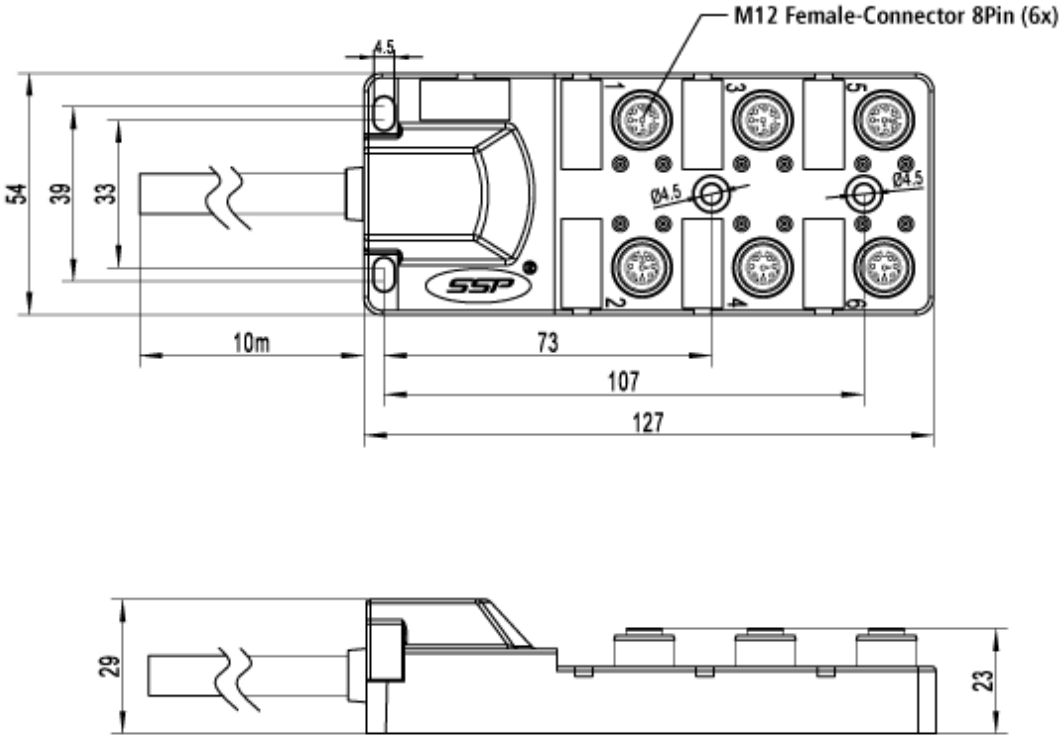
XCONN P6-M12-10m

Drawings

Dimensions



Equipment

Accessories

M12-M12 interconnection cable, 8-pin, 10 m	M12-M12-C8103-G	1022352	

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M12-M12-connecting cable, 8-pin, 1 m	M12-M12-C813-G	1022368	
M12-M12 interconnection cable, 8-pin, 5 m	M12-M12-C853-G	1022351	
M8-M12-connecting cable, 8 pin, 0,15 m	M8-M12-C80153-VG	1022360	
M8-M12 interconnection cable, 8-pin, 0.5 m	M8-M12-C8053-G	1022356	
M8-M12-interconnecting cable, 8 pin, 10 m	M8-M12-C8103-G	1022359	
M8-M12-connecting cable, 8 pin, 2 m	M8-M12-C823-G	1022349	
M8-M12-connecting cable, 8 pin, 5 m	M8-M12-C853-G	1022358	
Safe control technology			
	MOSAIC M1	1019811	

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Standard safety relay 1 safety function	S2 series	1019455	
Time delay safety relay 1 safety function	T2 series	1019456	
Safety switches			
Bridging plug	XCONN A1	1027827	
Y-distributor	XCONN Y1-M12	1027826	

Downloads

- CAD-Data
- Product line
- Catalog

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