



SSP

Safety System Products

XCONN P6-M12-10m

Passive distributor

Your advantages

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XCONN P6-M12-10m

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
Item number	SP-X-71-000-04
Functional type	Passive distributor

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

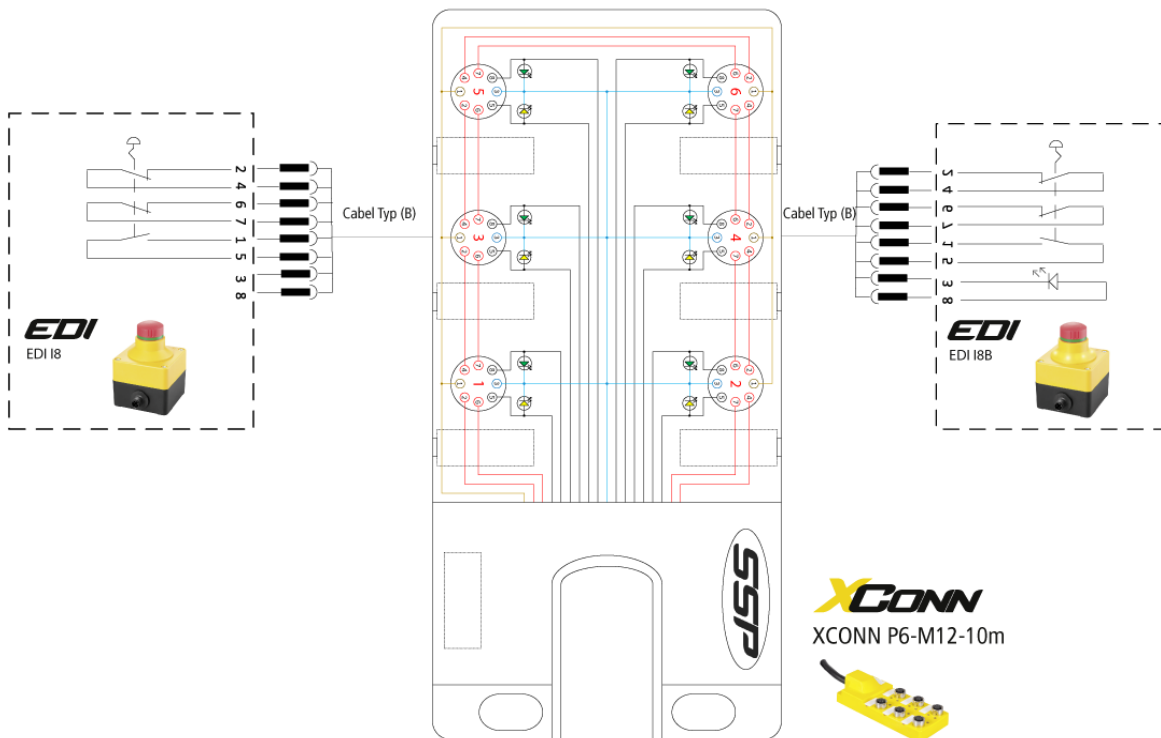
Mechanical data

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

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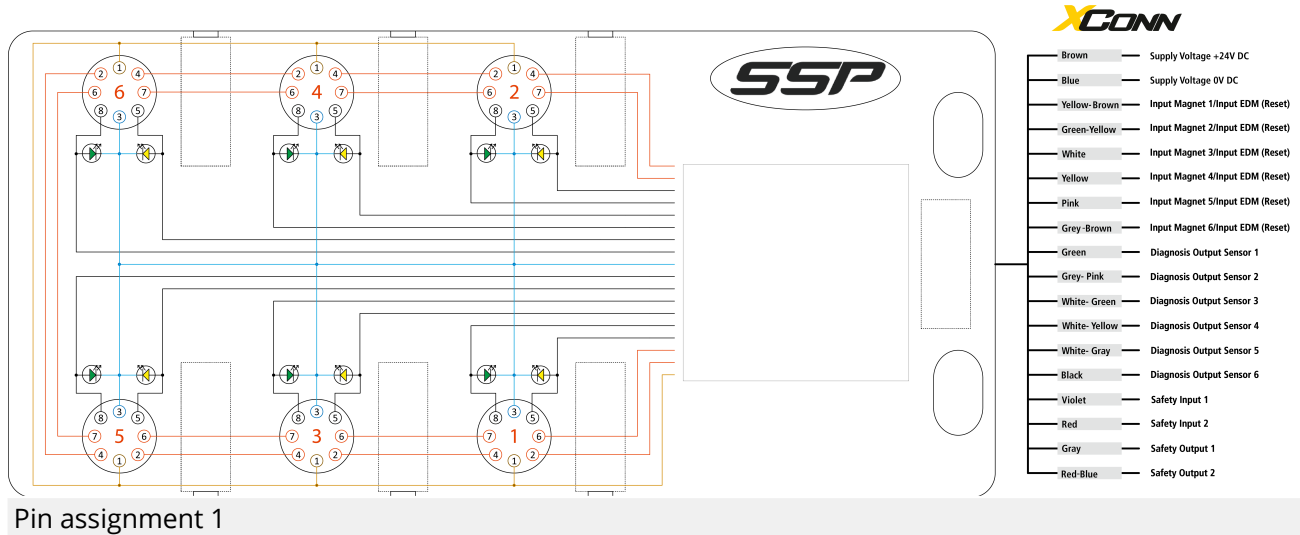
Electrical drawings

Connection example 1



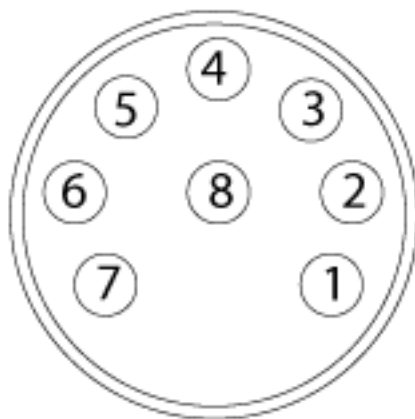
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Connection example 2



Anschlusstecker

X2.1 - X2.6- Safety Sensor



M12, 8 Pin
View from above

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Pin assignment 2

Pin Distribution									
X1.1-Supply Line		X2.1 – X2.6-Safety Sensor							
				Slot					
Pin	Color Connection Cable	Function		1	2	3	4	5	6
	M23			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

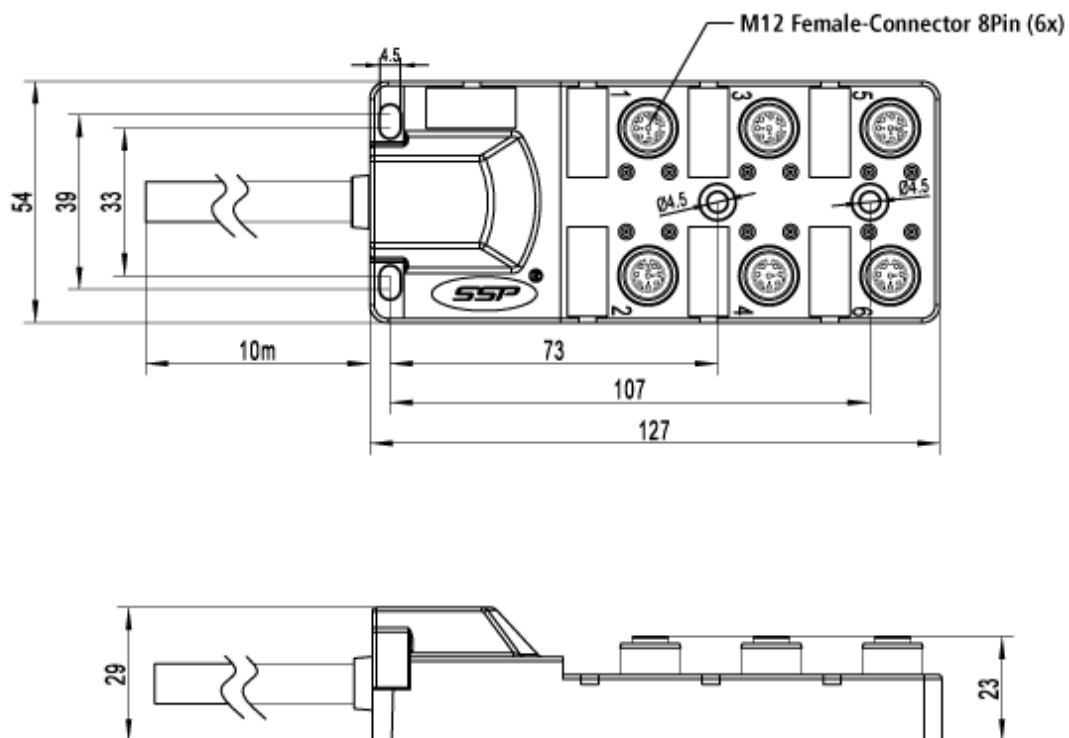
X2.1 – X2.6-Safety Sensor				
Pin	Possible Colorcode of other customary connectors in relation to EN 60947-5-2:2007	Color code according to DIN 47100	Function	
1	Brown	White	A1	Ue
2	White	Brown	X1	Safety Input 1
3	Blue	Green	A2	GND
4	Black	Yellow	Y1	Safety Output 1
5	Grey	Grey	OUT	Diagnostic Output (SAFIX,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

Dimensions



Equipment

Accessories

M12-connecting cable, 8 pin, 10 m

M12-M12-C8103-G

SP-X-33-000-09



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M12-connecting cable, 8 pin, 1 m	M12-M12-C813-G	SP-X-33-000-25	
M12-connecting cable, 8 pin, 5 m	M12-M12-C853-G	SP-X-33-000-08	
M8-M12-connecting cable, 8 pin, 0,15 m	M8-M12-C80153-VG	SP-X-33-000-18	
M8-M12-connecting cable, 8 pin, 0,5 m	M8-M12-C8053-G	SP-X-33-000-13	
M8-M12-connecting cable, 8 pin, 10 m	M8-M12-C8103-G	SP-X-33-000-17	
M8-M12-connecting cable, 8 pin, 2 m	M8-M12-C823-G	SP-X-33-000-15	
M8-M12-connecting cable, 8 pin, 5 m	M8-M12-C853-G	SP-X-33-000-16	

Safe control technology

MOSAIC M1

SP-R-11-000-00



XCONN P6-M12-10m

Standard safety relay 1 safety function

S2 series

SP-K-70-001-00



Time delay safety relay 1 safety function

T2 series

SP-K-70-001-02



Safety switches

Bridging plug

XCONN A1

SP-X-71-000-03



Y-distributor

XCONN Y1-M12

SP-X-71-000-02



Downloads

- CAD-Data
- Product line
- Catalog