



SSP

Safety System Products

XCONN P6-M12-M23

Passive distributor

Your advantages

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XCONN P6-M12-M23

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-M23
Functional type	Passive distributor
Item number	1027825
Item number (old)	SP-X-71-000-01

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

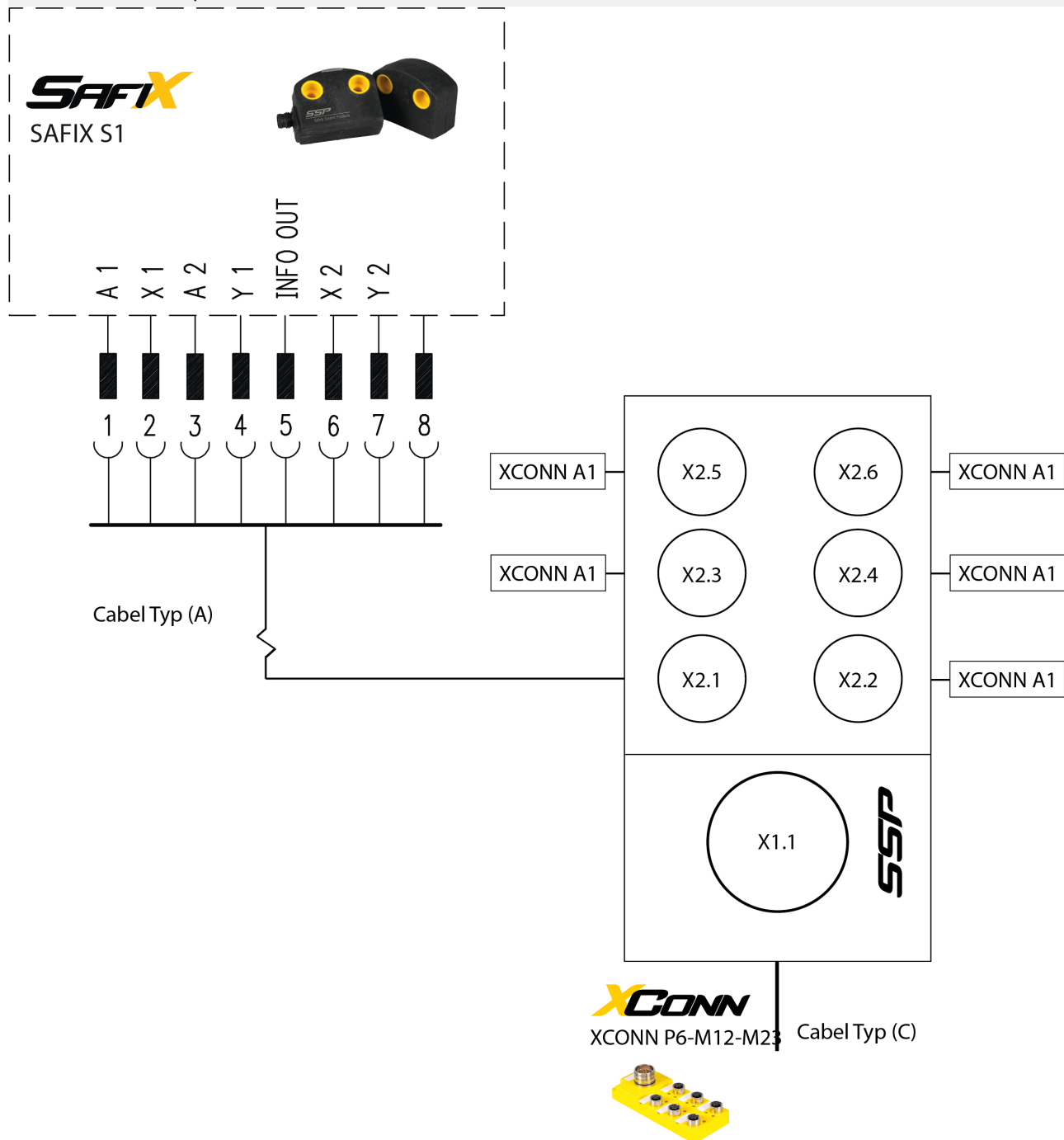
Mechanical data

Width	54 mm
Length	127 mm
Height	35,1 mm
Housing material	PBT

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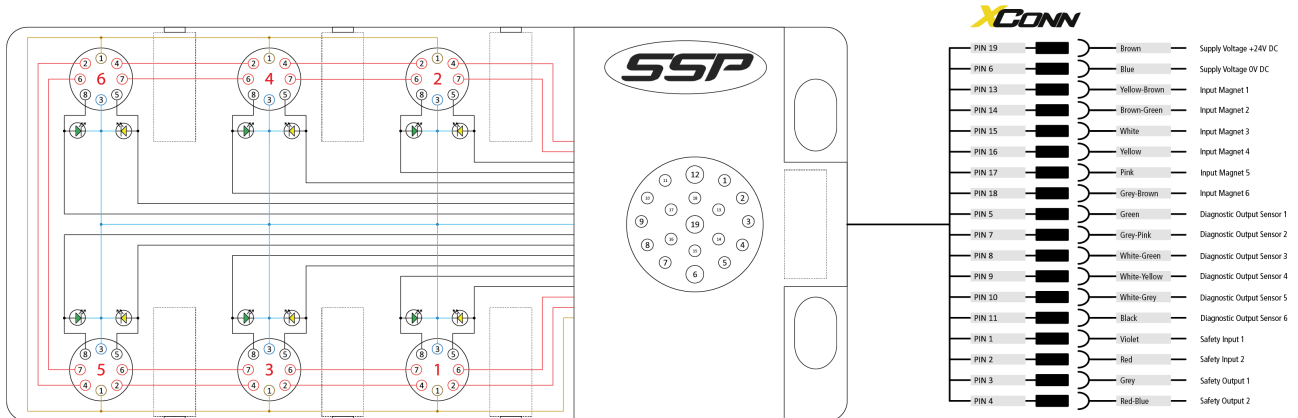
Electrical drawings

Connection example 1

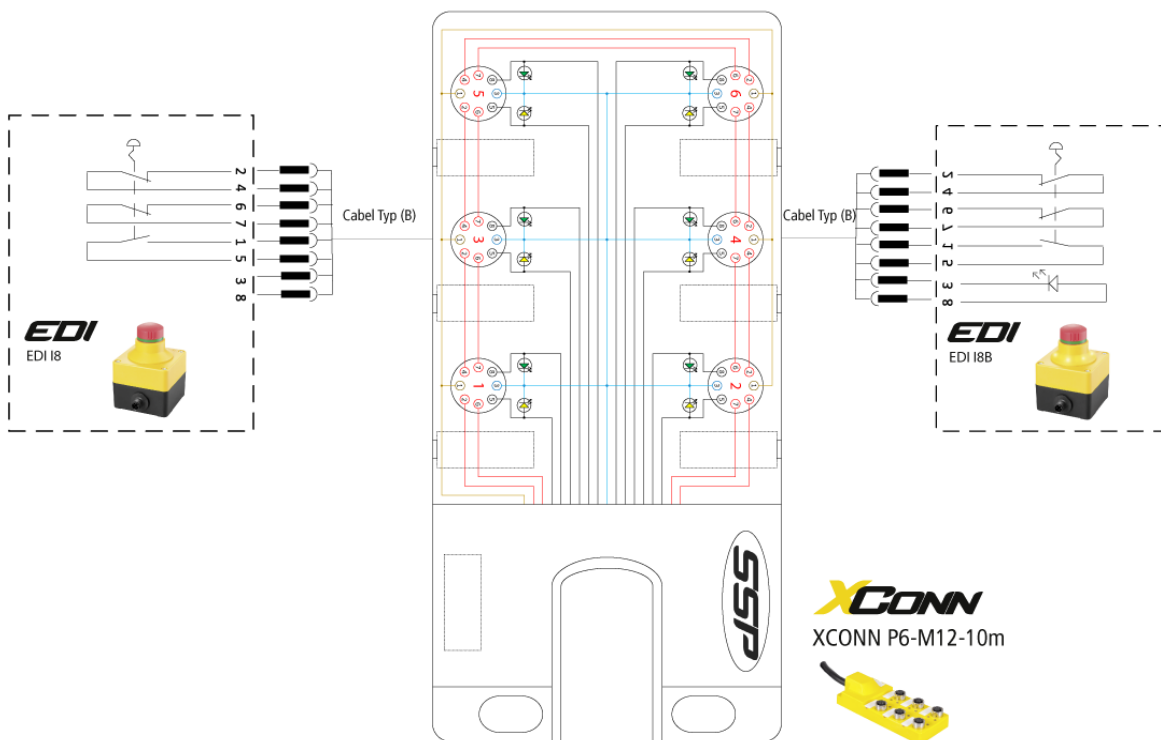


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Connection example 3



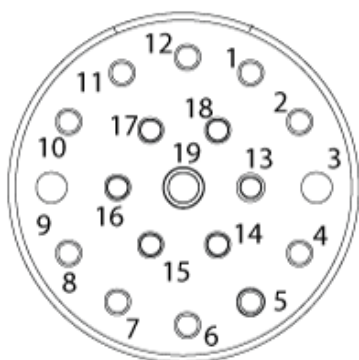
Connection example 2



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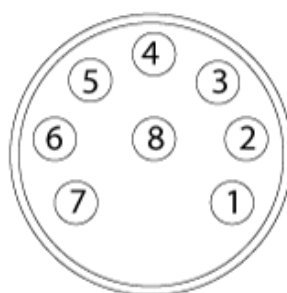
Pin assignment 1

X1.1 Supply Line



M23, 19 Pin
View from above

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

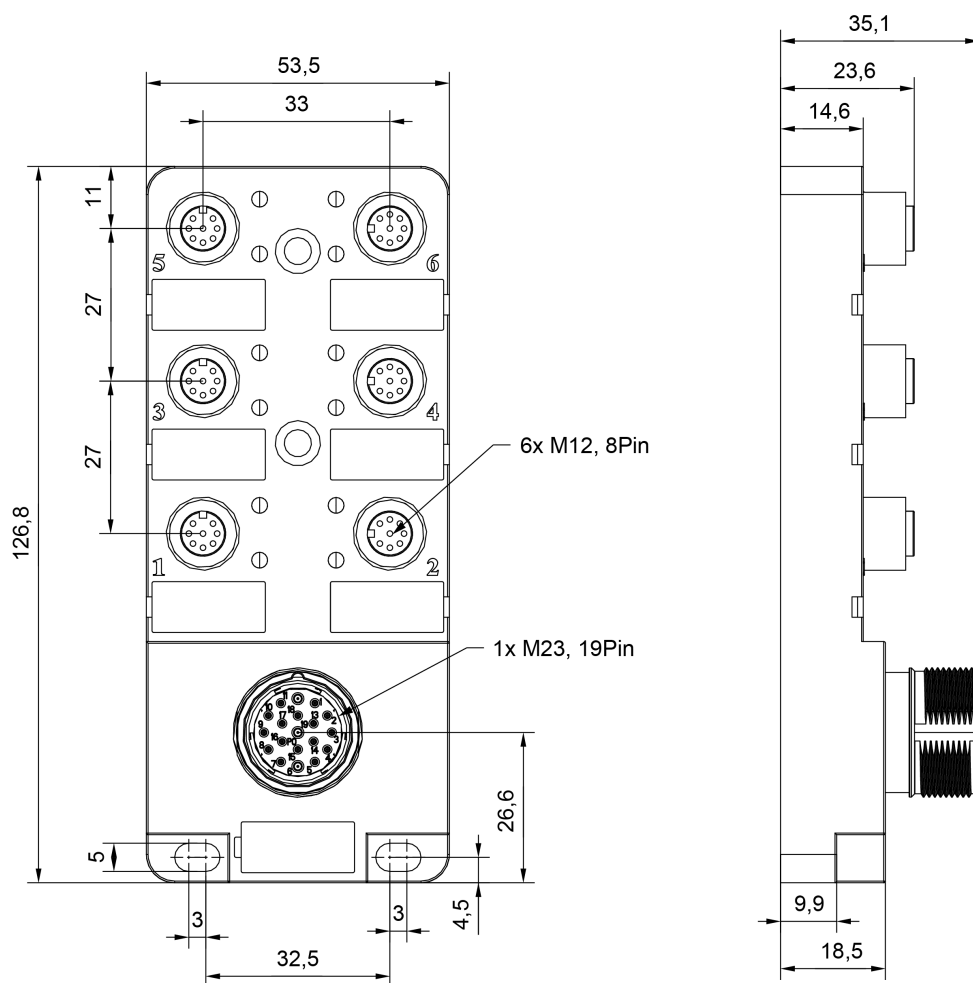
X2.1 – X2.6-Safety Sensor				
Pin	Possible Colorcode of other customary connectors in relation to EN 60947-5-2:2007	Color code according to DIN 47100	Function	
1	Brown	White	A1	Ue
2	White	Brown	X1	Safety Input 1
3	Blue	Green	A2	GND
4	Black	Yellow	Y1	Safety Output 1
5	Grey	Grey	OUT	Diagnostic Output (SAFIX,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

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M12-connecting cable, 8 pin, 10 m	M12-M12-C8103-G	1022352	
M23-female connector, 19 pin, 10 m	M23-C19101-G	1022361	
M8-M12-connecting cable, 8 pin, 0,15 m	M8-M12-C80153-VG	1022360	
M8-M12-connecting cable, 8 pin, 10 m	M8-M12-C8103-G	1022359	
M8-M12-connecting cable, 8 pin, 5 m	M8-M12-C853-G	1022358	

Safe control technology

	MOSAIC M1	1019811	
Standard safety relay 1 safety function	S2 series	1019455	
Time delay safety relay 1 safety function	T2 series	1019456	

Safety switches

XCONN P6-M12-M23

Bridging plug	XCONN A1	1027827	
Y distributor	XCONN Y2-M12	1022403	
Connection module for EDI D1B	XCONN Y3-M12	1022407	
Connection module EDI C7	XCONN Y4-M12	1022408	
Y-distributor	XCONN Y1-M12	1027826	

Downloads

- CAD-Data
- Product line
- Catalog