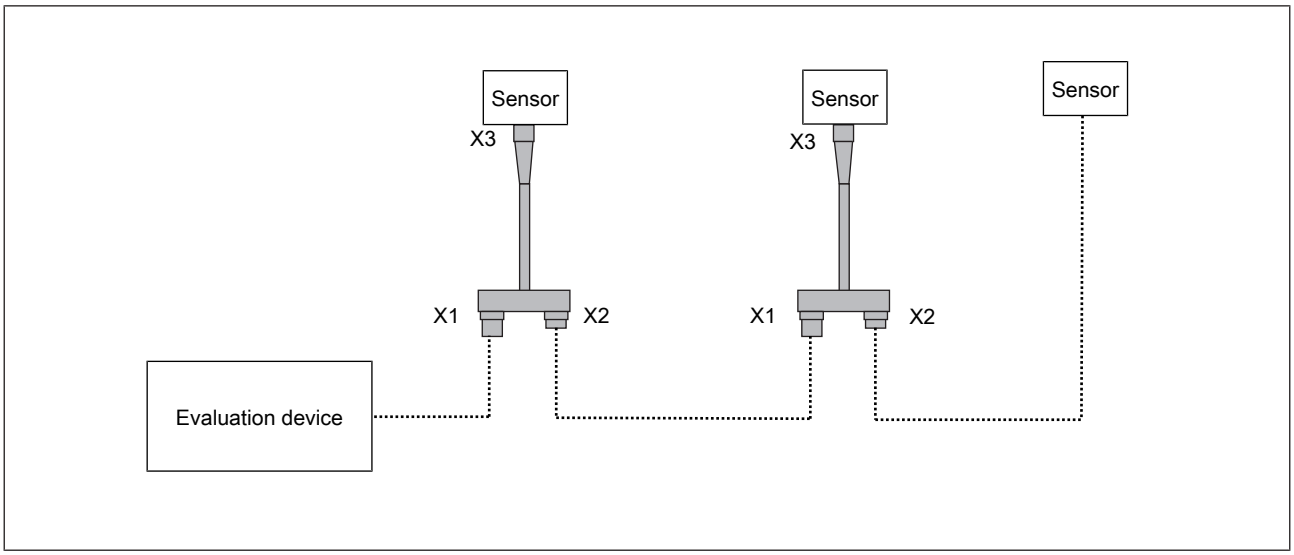
Adapter SL M12 s-M12 s 8p

Connection

Order no.: 6N000029

- Adapter for series connection PSEN sl2-D, without using an SDD device (Safety Device Diagnostics)



Legend

X1 M12, male connector

X2 M12, female connector

X3 M12, female connector

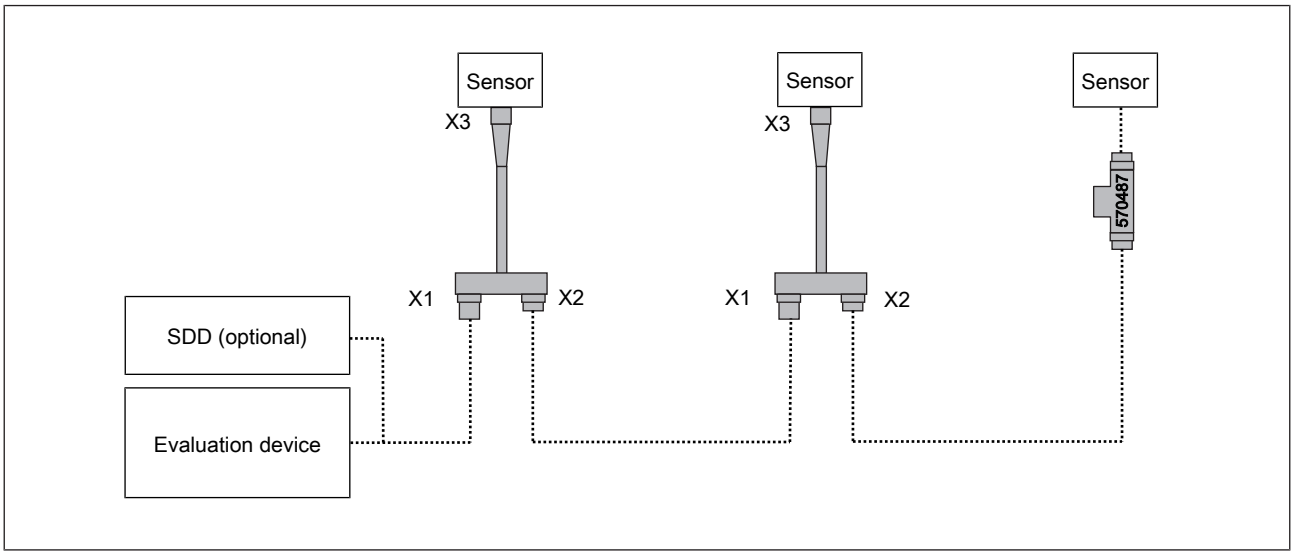
NOTICE

During commissioning, trigger the safety function of each sensor in the safety chain and check that the safety outputs on the evaluation device respond correctly.

Adapter SL M12 s-M12 s 8p

Order no.: 6N000030

- Adapter for series connection PSEN sl2-G, with or without using an SDD device (Safety Device Diagnostics)
- Adapter for series connection PSEN ml s, with or without using an SDD device (Safety Device Diagnostics)



Legend

X1 M12, male connector

X2 M12, female connector

X3 M12, female connector

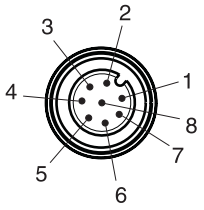
NOTICE

During commissioning, trigger the safety function of each sensor in the safety chain and check that the safety outputs on the evaluation device respond correctly.

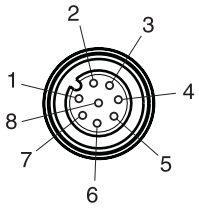
Adapter SL M12 s-M12 s 8p

Connector pin assignment

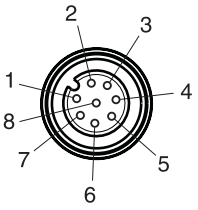
Order no.: 6N000029



Plan view of plug-in connector X1

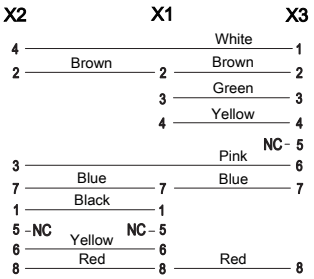


Plan view of plug-in connector X2



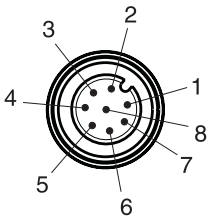
Plan view of plug-in connector X3

Contact assignment

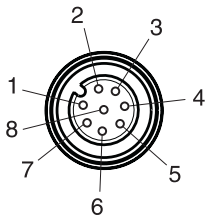


Adapter SL M12 s-M12 s 8p

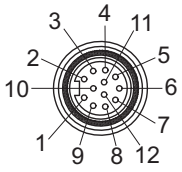
Order no.: 6N000030



Plan view of plug-in connector X1

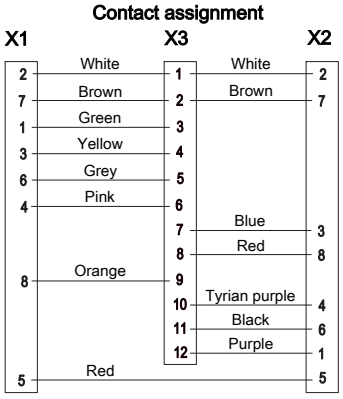


Plan view of plug-in connector X2

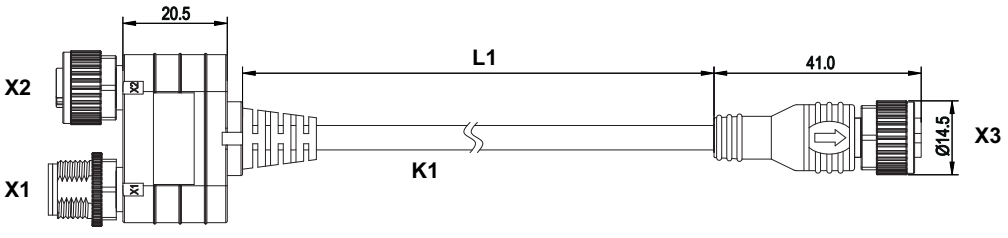


Plan view of plug-in connector X3

Contact assignment



Dimensions in mm



Adapter SL M12 s-M12 s 8p

Technical details

General	6N000029	6N000030
Certifications	CE, UKCA	CE, UKCA
Electrical data	**6N000029**	**6N000030**
Rated voltage		
Voltage UB	30 V	30 V
Rated current	2 A	2 A
Insulation resistance	100 MOhm	100 MOhm
Environmental data	**6N000029**	**6N000030**
Ambient temperature		
Temperature range	-40 - 80 °C	-40 - 80 °C
Temperature range (moving)	-15 - 80 °C	-15 - 80 °C
Storage temperature		
Temperature range	-40 - 80 °C	-40 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP69K	IP69K
X2 when inserted	IP69K	IP69K
X3 when inserted	IP69K	IP69K
Mechanical data	**6N000029**	**6N000030**
Plug connector X1	M12, 8-pin male connector	M12, 8-pin male connector
in accordance with the standard	IEC 61076-2-101	IEC 61076-2-101
Form, plug-in connector X1	Straight	Straight
Coding of plug-in connector X1	A-coded	A-coded
Plug connector X2	M12, 8-pin female connector	M12, 8-pin female connector
in accordance with the standard	IEC 61076-2-101	IEC 61076-2-101
Form, plug-in connector X2	Straight	Straight
Coding of plug-in connector X2	A-coded	A-coded
Plug-in connector X3	M12, 8-pin female connector	M12, 12-pin female connector
in accordance with the standard	IEC 61076-2-101	IEC 61076-2-101
Design of plug-in connector X3	Straight	Straight
Coding of plug-in connector X3	A-coded	A-coded
Material of ring nut X1	GD-Zn, Ni	GD-Zn, Ni
Material of ring nut X2	GD-Zn, Ni	GD-Zn, Ni
Material of ring nut X3	GD-Zn, Ni	GD-Zn, Ni
Housing material X1	TPU	TPU
Housing material X2	TPU	TPU
Housing material X3	TPU	TPU
Material of contact surface X1	Ni b / Au 0.2 gal.	Ni b / Au 0.2 gal.

Adapter SL M12 s-M12 s 8p

Mechanical data	6N000029	6N000030
Material of contact surface X2	**Ni b / Au 0.2 gal.**	**Ni b / Au 0.2 gal.**
Material of contact surface X3	**Ni b / Au 0.2 gal.**	**Ni b / Au 0.2 gal.**
Material of gasket	**FKM**	**FKM**
Material of pin	**CuZn**	**CuZn**
Material of socket	**CuZn**	**CuZn**
Conductor material K1	**Cu**	**Cu**
Mating cycles X1	**500**	**500**
Mating cycles X2	**500**	**500**
Mating cycles X3	**500**	**500**
Cable length L1	**0,15 m**	**0,15 m**
Colour of external cable insulation K1	**Signal yellow RAL 1003**	**Signal yellow RAL 1003**
Colour of housing	**Signal yellow RAL 1003**	**Signal yellow RAL 1003**
Cable insulation material K1	**PUR**	**PUR**
Drag chain suitable K1	**No**	**No**
Min. bending radius (fixed permanently) K1	**5 x Ø**	**5 x Ø**
Cable diameter K1	**6,2 mm**	**6,5 mm**
Max. cable diameter K1	**6,35 mm**	**6,7 mm**
Conductor cross section K1	**0,25 mm²**	**0,25 mm²**
Conductor cross section AWG K1	**24**	**24**
Shielding K1	**No**	**No**
No. of wires K1	**8**	**12**
Certification cable K1	**UL AWM-Style 20233**	**UL AWM-Style 20233**
Certification plug-in connector X1	**UL**	**UL**
Certification plug-in connector X2	**UL**	**UL**
Certification plug-in connector X3	**UL**	**UL**
Halogen-free	**Yes**	**Yes**
Silicone-free	**Yes**	**Yes**
Oil resistance	**Resistant**	**Resistant**
Non-flammability	**UL VW1**	**UL FT2**
Torque of the interlock screw	**0.4 Nm**	**0.4 Nm**
Weight	**41 g**	**42 g**

Adapter SL M12 s-M12 s 8p

Order reference

Product type	Features	Order no.
Adapter/SL/ M12-8SMX/M12-SFX/M12-8SFX/PT	Adapter for series connection PSEN sl2-D, 8-pin M12 female connector, straight, A-coded on 8-pin M12 male connector, straight, A-coded and 8-pin M12 female connector, straight, A coded, cable length: 0.15 m.	6N000029
Adapter/SL/ M12-8SMX/ M12-8SFX/ M12-12SF/PT	Adapter for series connection PSEN sl2-G, 12-pin M12 female connector, straight, A-coded on 8-pin M12 male connector, straight, A-coded and 8-pin M12 female connector, straight, A coded, cable length: 0.15 m.	6N000030