

Adapter M12-M12 5p M12 5p

Application

The adapter enables a safety light curtain from the PSEN opII-A series to be connected to a port on a decentralised distributor (e.g. PDP67) with a 5-pin connection.

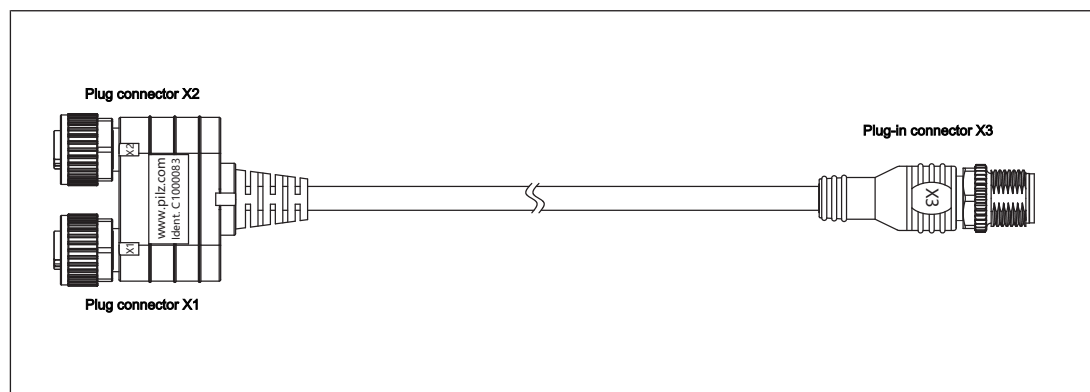
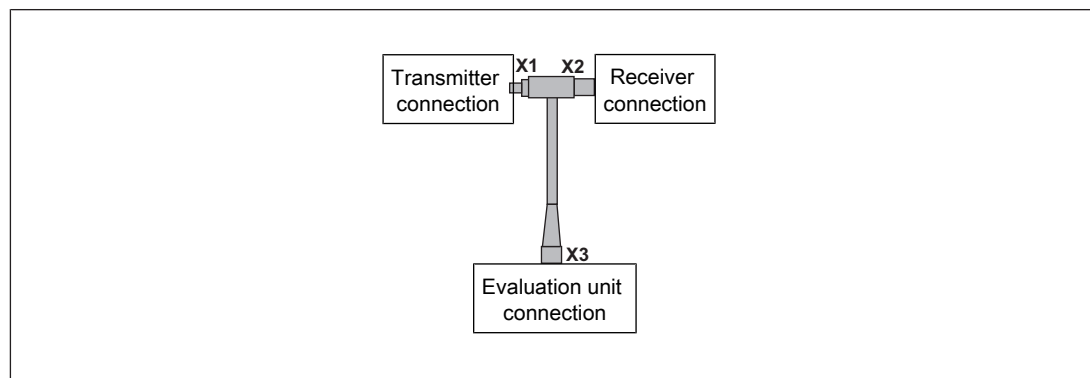
With this adapter, safety light curtains from the PSEN opII-A series may only be used uncoded.

Application examples:

	PSEN opII Y Junction M12-M12/M12 (Order no. 632511)	Adapter M12-M12 5p M12 5p (Order no. C1000083)
Basic (e.g. PSEN opII4H-s, ...)	Uncoded A-coded B-coded	-
Advanced (e.g. PSEN opII4H-A, ...)	-	Uncoded

Connection

Adapter for connecting the transmitter (plug-in connector X1) and receiver (plug-in connector X2) to an M12 port (2FDI) on the evaluation unit (plug-in connector X3).

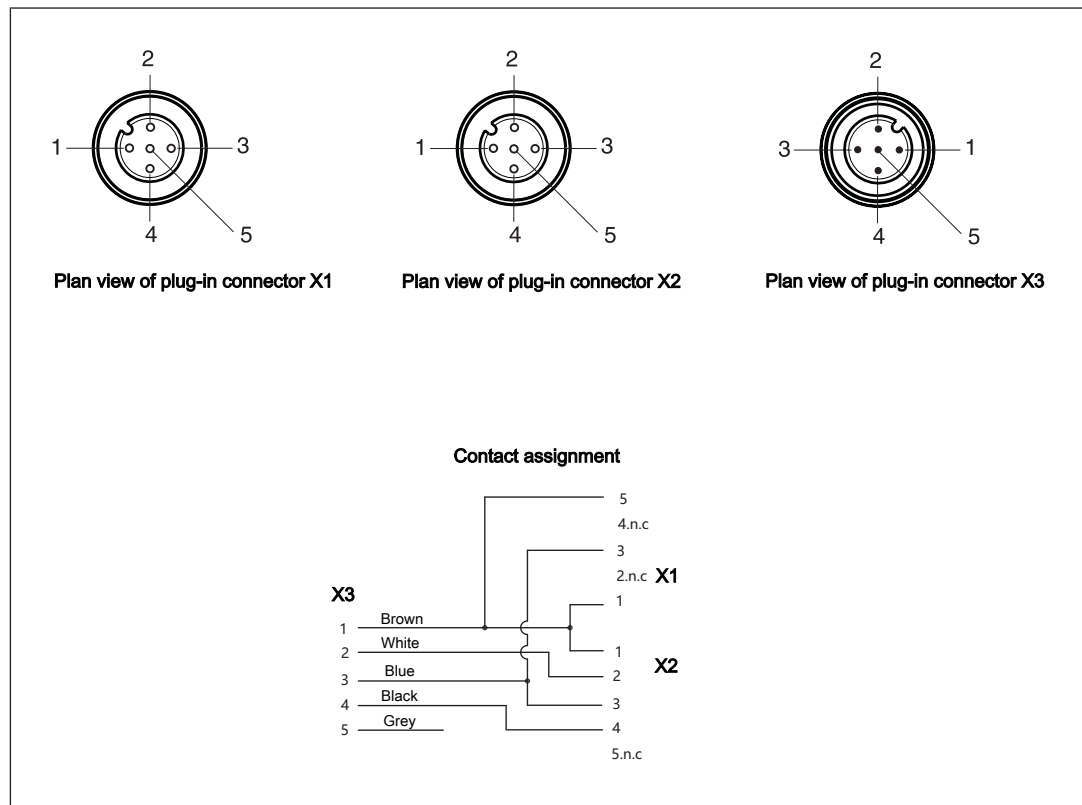


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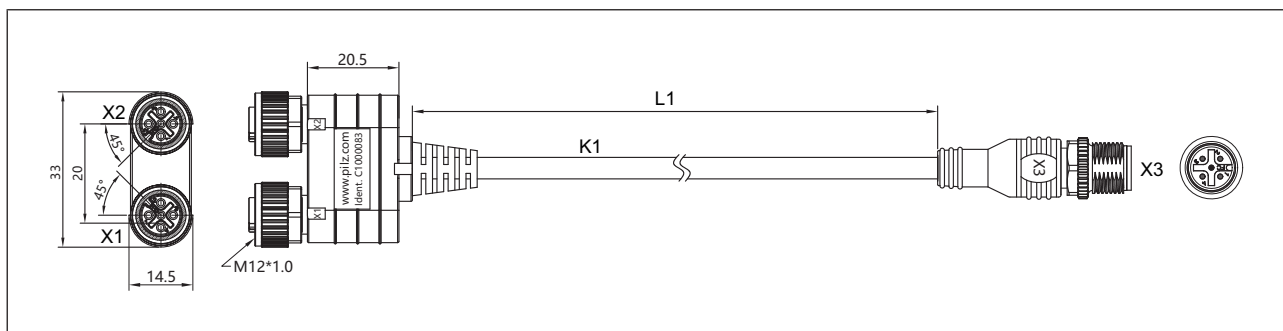
If the receiver and transmitter connections are reversed, the safety light curtain will not work as the safety outputs are not continued.

Adapter M12-M12 5p M12 5p

Connector pin assignment



Dimensions in mm



Accessories

Adapter M12-M12 5p M12 5p

Technical details

General	
Certifications	CE
Electrical data	
Rated voltage	
Voltage UB	30 V
Kind	AC/DC
Rated current	2 A
Typ. conductor resistance K1	≤ 87.6 Ohm/km
Insulation resistance	100 MOhm
Volume resistance	10 mOhm
Environmental data	
Ambient temperature	
Temperature range	-25 - 80 °C
Temperature range (moving)	-15 - 80 °C
Storage temperature	
Temperature range	-40 - 80 °C
Airgap creepage	
Pollution degree	3
Protection type	
X1 when inserted	IP67, IP69K when screwed in place
X2 when inserted	IP67, IP69K when screwed in place
X3 when inserted	IP67, IP69K when screwed in place
Mechanical data	
Plug connector X1	M12, 5-pin female connector
in accordance with the standard	IEC 61076-2-101
Form, plug-in connector X1	Straight
Coding of plug-in connector X1	A-coded
Plug connector X2	M12, 5-pin female connector
in accordance with the standard	IEC 61076-2-101
Form, plug-in connector X2	Straight
Coding of plug-in connector X2	A-coded
Plug-in connector X3	M12, 5-pin male connector
in accordance with the standard	IEC 61076-2-101
Design of plug-in connector X3	Straight
Coding of plug-in connector X3	A-coded
Material of ring nut X1	Zn nickel-plated
Material of ring nut X2	Zn nickel-plated
Material of ring nut X3	Zn nickel-plated
Housing material X1	TPU

Accessories

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Mechanical data	
Housing material X2	TPU
Housing material X3	TPU
Material of contact surface X1	CuZn gold-plated
Material of contact surface X2	CuZn gold-plated
Material of contact surface X3	CuZn gold-plated
Material of gasket	FKM
Material of pin	CuZn
Material of socket	CuZn
Conductor material K1	Cu
Insulating cover for conductor K1	PP (9Y)
Mating cycles X1	500
Mating cycles X2	500
Mating cycles X3	500
Cable length L1	0,15 m
Colour of external cable insulation K1	Black
Colour of housing	Yellow, RAL 1004
Cable insulation material K1	PUR, TPU
Drag chain suitable K1	No
Min. bending radius (fixed permanently) K1	12 x Ø
Min. bending radius (moving) K1	15 x Ø
Cable diameter K1	4,5 mm
Max. cable diameter K1	4,7 mm
Conductor cross section K1	0,26 mm ²
Conductor cross section AWG K1	24
Shielding K1	No
No. of wires K1	5
Certification cable K1	UL 20549
Halogen-free	Yes
Silicone-free	No
Oil resistance	Resistant
Non-flammability	FT2
Torque of the interlock screw	0.4 ... 0.8 Nm
Weight	39 g

Accessories

Adapter M12-M12 5p M12 5p

Order reference

Product type	Features	Order no.
Adapter/OP/ M12-5SFX/ M12-5SFX/ M12-5SMX/PT	Y-adapter to connect the transmitter and receiver for PSENopt II Advanced uncoded to an FS input, 5-pin M12 male connector (X3, evaluation unit connection), straight, A-coded on 5-pin M12 female connector (X1, transmitter), straight, A-coded and 5-pin M12 female connector (X2, receiver), straight, A-coded	C1000083