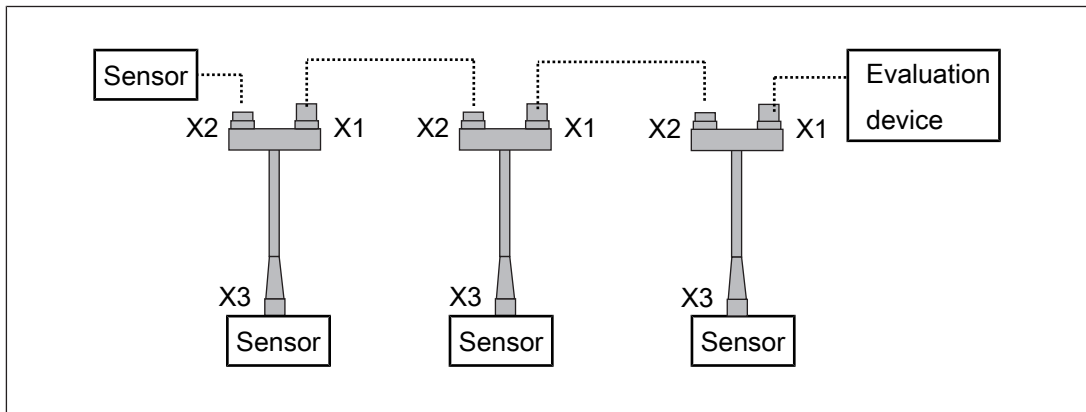# PSEN Y junction M12-M12/M12 PIG-TAIL

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▸ Accessories

Connection

Legend

X1   M12 male connector

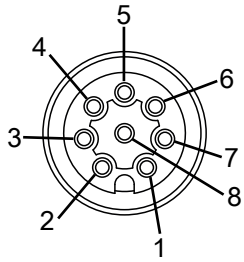X2   M12 female connector

X3   M12 female connector

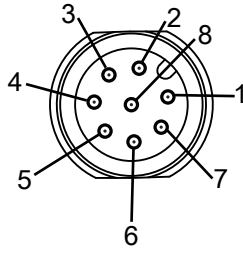Connect connector X1 with connector X2 of the following cable separator.

> **NOTICE**
>
> When commissioning, activate the safety function of each sensor in the safety chain and check the correct response of the evaluation device's safety outputs.
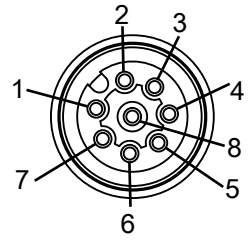
Connector pin assignment

Plan view of plug-in connector X2

Plan view of plug-in connector X1
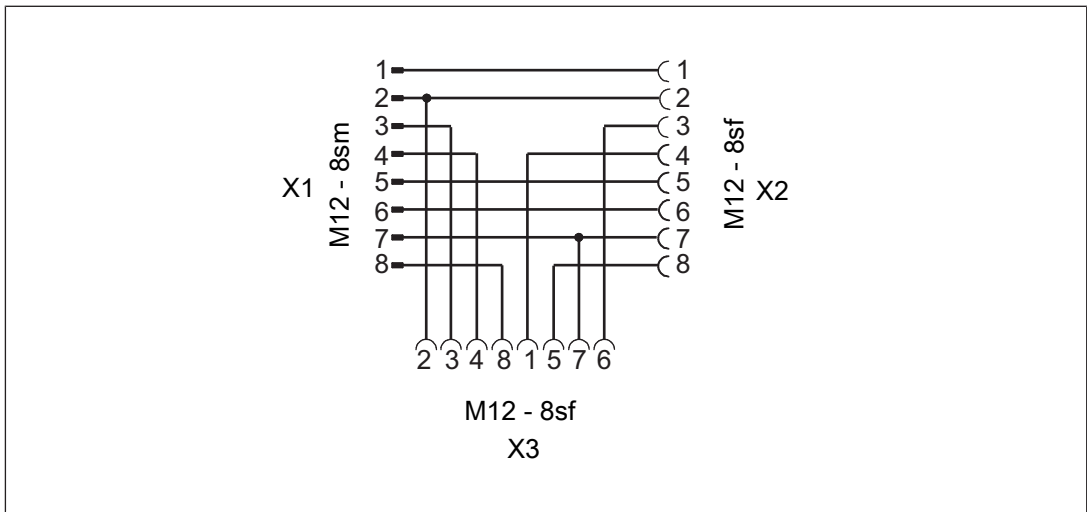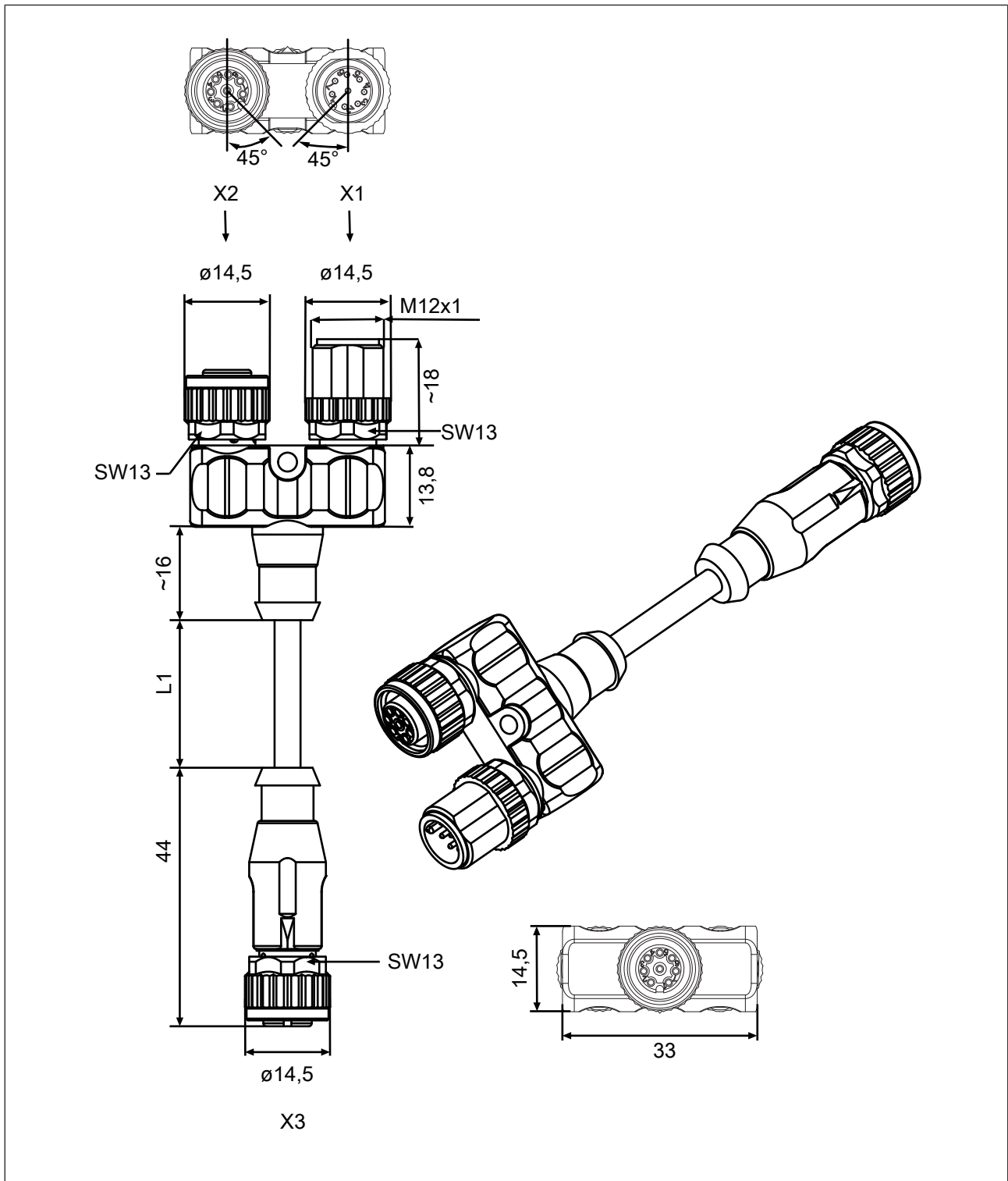
Plan view of plug-in connector X3

Fig.: Contact assignment 8-pin

Dimensions

Technical details

General	
Approvals	**-**
Electrical data	
Rated voltage	
Voltage UB	**30 V**
Rated current	**2 A**
Test voltage	**3.000 V**
Typ. conductor resistance K1	**78 Ohm/km**
Insulation resistance	**100 MOhm**
Specific volume resistance K1	**>= 1E+16 Ohm*cm**
Environmental data	
Ambient temperature	
Temperature range	**-25 - 80 °C**
Airgap creepage	
Pollution degree	**3**
Protection type	
X1 when inserted	**IP67**
X2 when inserted	**IP67**
X3 when inserted	**IP67**
Housing	**IP67**
Mechanical data	
Plug-in connector X1	**M12, 8-pin male connector**
In accordance with the standard	**EN 61076-2-101**
Plug-in connector X2	**M12, 8-pin female connector**
In accordance with the standard	**EN 61076-2-101**
Plug-in connector X3	**M12, 8-pin female connector**
In accordance with the standard	**EN 61076-2-101**
Material of ring nut X1	**GD-Zn, Ni**
Material of ring nut X2	**GD-Zn, Ni**
Material of ring nut X3	**GD-Zn, Ni**
Housing material X1	**PA**
Housing material X2	**PA**
Housing material X3	**PA**
Material of contact surface X1	**Ni, Au gal.**
Material of contact surface X2	**Ni, Au gal.**
Material of contact surface X3	**Ni, Au gal.**
Material of gasket	**FPM**
Material of pin	**CuZn**
Material of socket	**CuZn**
Conductor material K1	**Cu**
Insulating cover for conductor K1	**PP (9Y)**
Mating cycles X1	**100**
Mating cycles X2	**100**

Mechanical data	
Mating cycles X3	**100**
Cable type K1	**Li9Y11Y**
Cable length L1	**0,25 m**
Colour of external cable insulation K1	**Signal yellow, RAL1003**
Colour of housing	**black**
Cable insulation material K1	**TPU/TPE-U**
Min. bending radius (fixed permanently) K1	**6 x Ø**
Cable diameter K1	**6 mm**
Max. cable diameter K1	**6,2 mm**
Conductor cross section K1	**0,25 mm²**
Conductor cross section AWG K1	**24**
Wire colour K1	**White, brown, green, yellow, grey, pink, blue, red**
Stranding K1	**8 cores around filler**
Shielding K1	**No**
No. of wires K1	**8**
Approval cable K1	**UL AWM-Style 20549**
Approval of plug-in connector X1	**UL94 V-0**
Approval of plug-in connector X2	**UL94 V-0**
Approval of plug-in connector X3	**UL94 V-0**
Halogen-free	**yes**
Silicone-free	**yes**
Oil resistance	**Resistant**
Non-flammability	**cULus 20549**
Material	
Housing	**TPU, UL94 HB**
Weight	**44 g**

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN Y junction M12-M12/M12 PIGTAIL	Cable separator for PSEN-code, PSENs-lock	M12, 8-pin male connector	M12, 8-pin female connector	M8, 8-pin female connector	540 338

▶ Support

Technical support is available from Pilz round the clock.

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