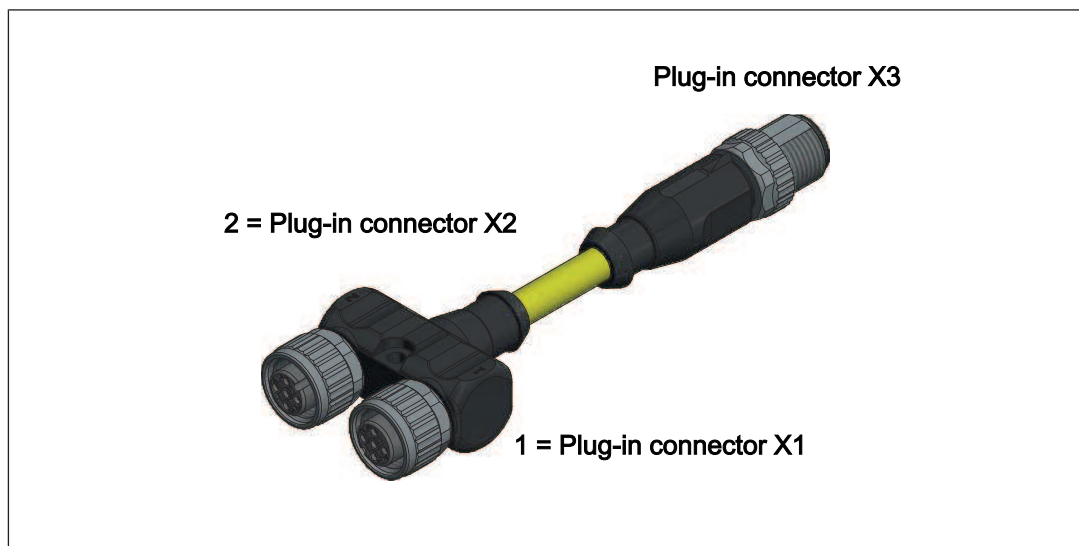
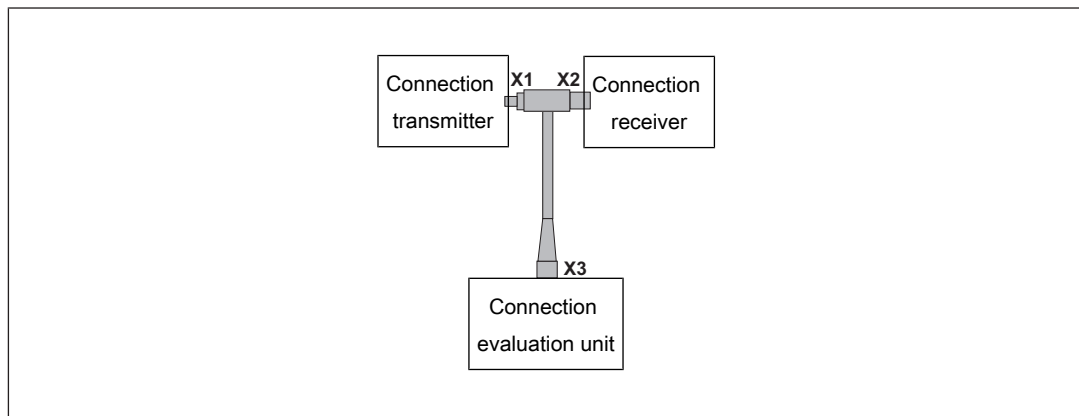


PSEN opII Y Junction M12-M12/M12

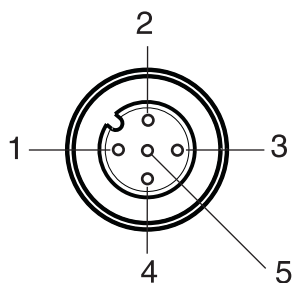
Connection

Adapter for connecting the transmitter (plug-in connector X1 = 1) and receiver (plug-in connector X2 = 2) to an M12 port (2FDI) of the evaluation unit (plug-in connector X3).

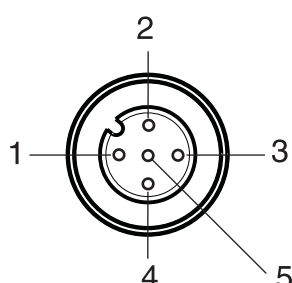


PSEN opII Y Junction M12-M12/M12

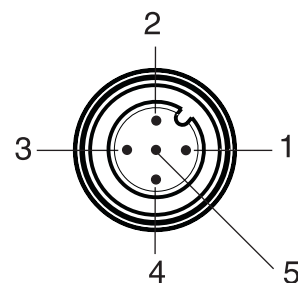
Connector pin assignment



Plan view
of plug-in connector 1 (X1)

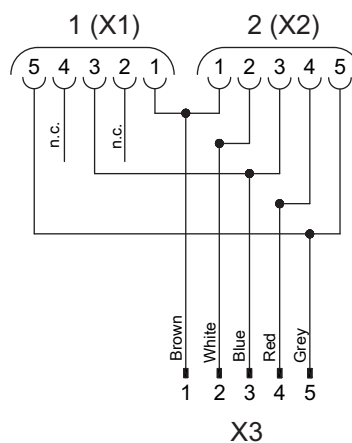


Plan view
of plug-in connector 2 (X2)



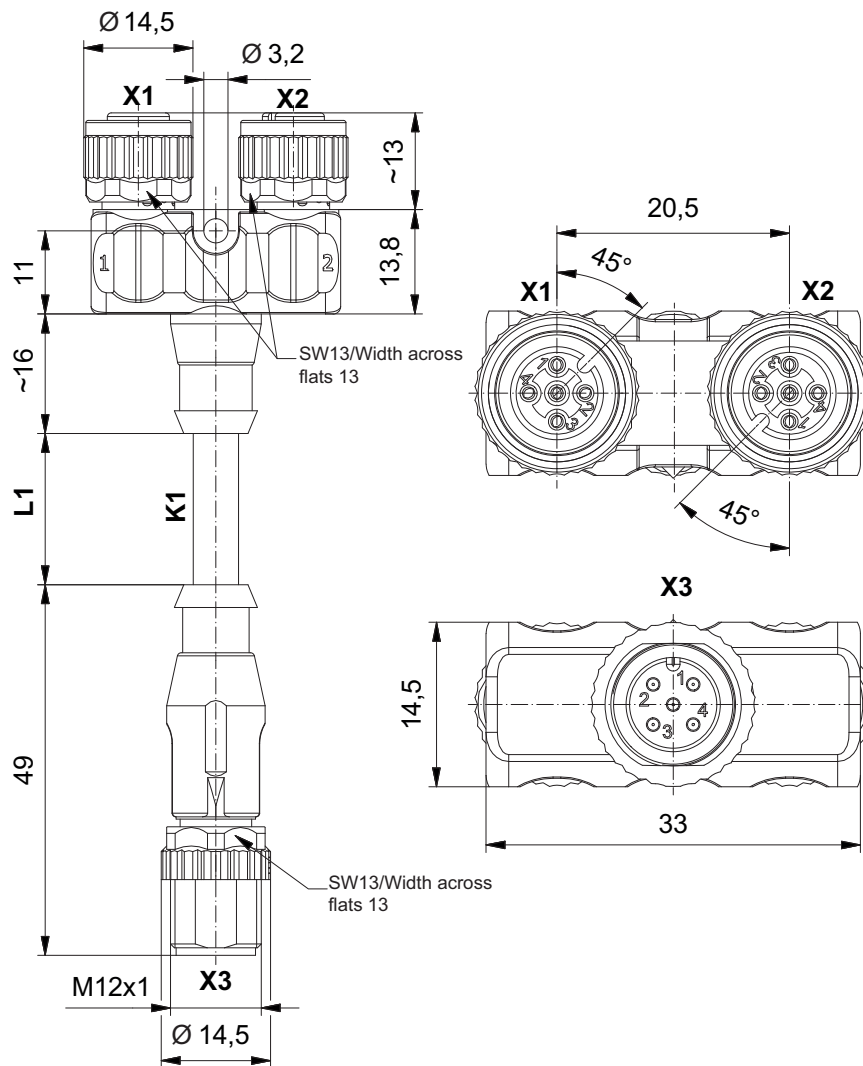
Plan view
of plug-in connector X3

Contact assignment 5-pin:



PSEN opII Y Junction M12-M12/M12

Dimensions in mm



PSEN opII Y Junction M12-M12/M12

Technical details

General	
Certifications	CE, UKCA
Electrical data	
Rated voltage	
Voltage UB	60 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, 5-pin female connector
In accordance with the standard	EN 61076-2-101
Form, plug-in connector X1	Straight
Coding of plug-in connector X1	A-coded
Plug-in connector X2	M12, 5-pin female connector
In accordance with the standard	EN 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	EN 61076-2-101
Design of plug-in connector X3	Straight
Coding of plug-in connector X3	A-coded
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	TPU, UL94 HB
Housing material X2	TPU, UL94 HB
Housing material X3	TPU, UL94 HB

Accessories

PSEN opII Y Junction M12-M12/M12

Mechanical data	
Material of contact surface X1	CuZn, Ni b/Au 0.2 gal.
Material of contact surface X2	CuZn, Ni b/Au 0.2 gal.
Material of contact surface X3	CuZn, Ni b/Au 0.2 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
Mating cycles X3	100
Cable type K1	Li9Y11Y
Cable length L1	0,15 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 mm ²
Conductor cross section AWG K1	24
Wire colour K1	Brown, white, blue, red, grey
Stranding K1	8 cores around filler
Shielding K1	No
No. of wires K1	8
Certification cable K1	UL AWM-Style 20549
Certification plug-in connector X1	UL 94
Certification plug-in connector X2	UL 94
Certification plug-in connector X3	UL 94
Halogen-free	yes
Non-flammability	cULus 20549
Torque of the interlock screw	0.6 Nm
Weight	42 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN opII Y Junction M12-M12/M12	Cable separator for PSEN opII	M12, 5-pin female connector	M12, 5-pin female connector	M12, 5-pin male connector	632511