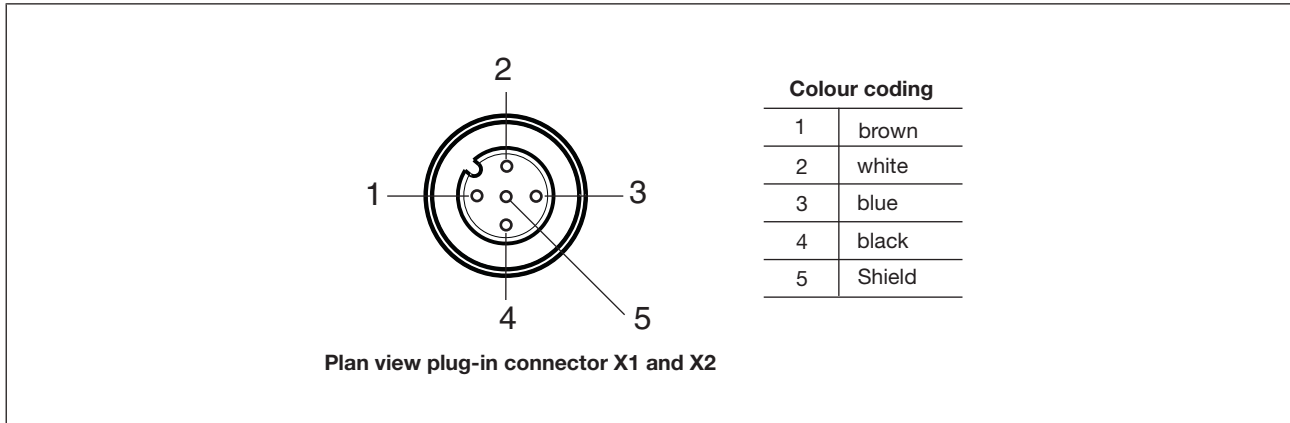
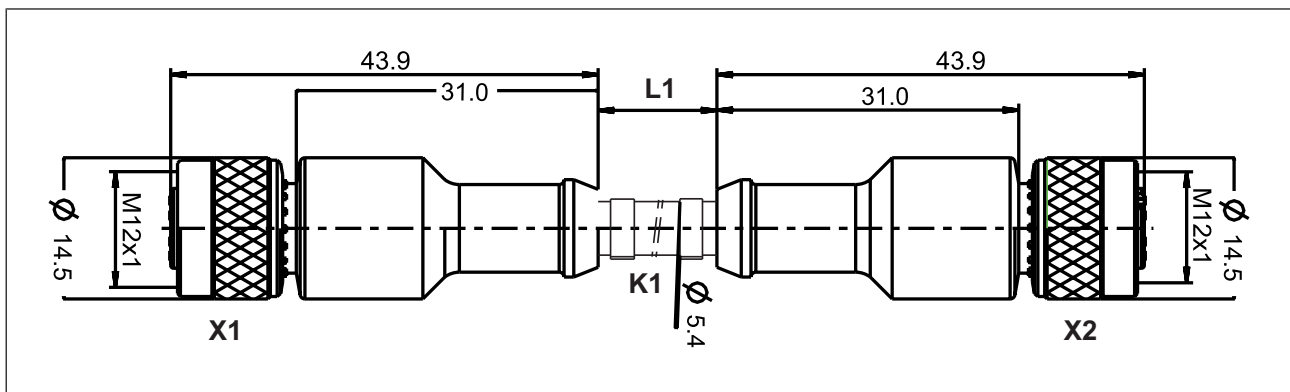


PSEN op Cable M12-M12 5p sh

Connector pin assignment



Dimensions



Technical details

General	630280	630281
Approvals	cULus Listed	cULus Listed
Electrical data	630280	630281
Rated voltage		
Voltage UB	60 V	60 V
Rated current	4 A	4 A
Test voltage	3.000 V	3.000 V
Typ. conductor resistance K1	57 Ohm/km	57 Ohm/km
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	3 mOhm	3 mOhm
Specific volume resistance K1	$\geq 7E+15$ Ohm*km	$\geq 7E+15$ Ohm*km
Specific cable capacitance K1	65,6pF/m	65,6pF/m

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Environmental data	630280	630281
Ambient temperature		
Temperature range	-25 - 80 °C	-25 - 80 °C
Airgap creepage		
Pollution degree	3	3
Protection type		
X1 when inserted	IP68	IP68
X2 when inserted	IP68	IP68
Housing	IP68	IP68
Mechanical data	630280	630281
Plug-in connector X1	M12, 5-pin female connector	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight
Plug-in connector X2	M12, 5-pin female connector	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X2	Straight	Straight
Housing material X1	PUR	PUR
Housing material X2	PUR	PUR
Material of contact surface X1	Au	Au
Material of contact surface X2	Au	Au
Material of socket	CuSn	CuSn
Conductor material K1	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)
Mating cycles X1	100	100
Mating cycles X2	100	100
Cable type K1	Li9YC11Y	Li9YC11Y
Cable length L1	0,5 m	1 m
Material of shield surface cable K1	Sn	Sn
Colour of external cable insulation K1	Yellow, similar to RAL1003	Yellow, similar to RAL1003
Colour of housing	black	black
Min. bending radius (fixed permanently) K1	5 x Ø	5 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø
Cable insulation material K1	PUR, TPU 11YH1	PUR, TPU 11YH1
Drag chain suitable K1	No	No
Cable diameter K1	5,4 mm	5,4 mm
Max. cable diameter K1	5,55 mm	5,55 mm
Conductor cross section K1	0,34 mm²	0,34 mm²
Conductor cross section AWG K1	22	22
Wire colour K1	Brown, white, blue, black, grey	Brown, white, blue, black, grey
Shielding K1	yes	yes

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Mechanical data	630280	630281
Shield type K1	Wire mesh	Wire mesh
Wire layer separation K1	yes	yes
No. of wires K1	4	4
Approval cable K1	UL AWM-Style 20233, UL/CSA	UL AWM-Style 20233, UL/CSA
Halogen-free	yes	yes
Silicone-free	yes	yes
Oil resistance	Resistant	Resistant
Non-flammability	UL VW1	UL VW1
Material		
Housing	PUR	PUR
Weight	50 g	73 g

Order reference

Product type	Features	Connector X1	Connector X2	Order no.
PSEN op cable axial M12 5-p. shield. 0,5m	0,5 m	M12 female connector, straight	M12 female connector, straight	630 280
PSEN op cable axial M12 5-p. shield. 1m	1 m	M12 female connector, straight	M12 female connector, straight	630 281