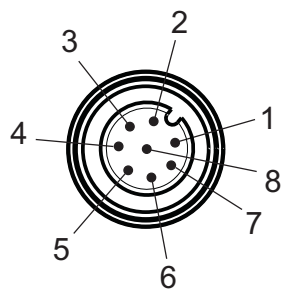
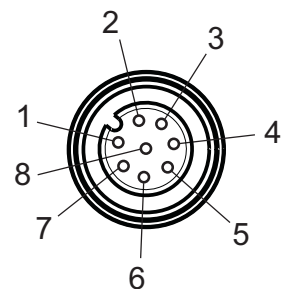


PSEN Converter M8-M12

Connector pin assignment



Plan view of connector X1

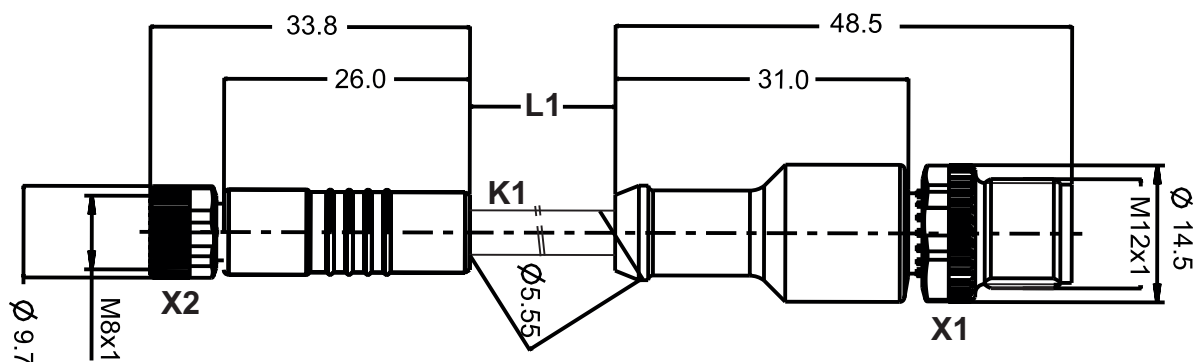


Plan view of connector X2

Colour coding

1	White
2	Brown
3	Green
4	Yellow
5	Grey
6	Pink
7	Blue
8	Red

Dimensions



PSEN Converter M8-M12

Technical details

General	
Certifications	cULus Recognized
Electrical data	
Rated voltage	
Voltage UB	30 V
Rated current	1,5 A
Test voltage	3.000 V
Typ. conductor resistance K1	138 Ohm/km
Insulation resistance	100 MOhm
Volume resistance	3 mOhm
Specific volume resistance K1	$\geq 7E+15$ Ohm*cm
Specific cable capacitance K1	57,5pF/m
Environmental data	
Temperature when using in the drag chain	-25 - 60 °C
Ambient temperature	
Temperature range	-25 - 80 °C
Airgap creepage	
Pollution degree	3
Protection type	
X1 when inserted	IP67
X2 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
Form, plug-in connector X1	Straight
Plug-in connector X2	M8, 8-pin female connector
In accordance with the standard	EN 61076-2-104
Form, plug-in connector X2	Straight
Housing material X1	PUR
Housing material X2	PUR
Material of contact surface X1	Au
Material of contact surface X2	Au
Material of pin	CuZn
Material of socket	CuSn
Conductor material K1	Cu
Insulating cover for conductor K1	PP (9Y)
Mating cycles X1	100
Mating cycles X2	100

PSEN Converter M8-M12

Mechanical data	
Cable type K1	LiF9Y11Y
Cable length L1	0,25 m
Colour of external cable insulation K1	Yellow, similar to RAL1003
Colour of housing	black
Cable insulation material K1	PUR, TPU / TPE-U
Drag chain suitable K1	yes
Min. bending radius (fixed permanently) K1	5 x Ø
Min. bending radius (moving) K1	10 x Ø
Cable diameter K1	5,55 mm
Max. cable diameter K1	5,7 mm
Conductor cross section K1	0,14 mm ²
Conductor cross section AWG K1	26
Wire colour K1	White, brown, green, yellow, grey, pink, blue, red
Stranding K1	8 cores around plastic filler
Shielding K1	No
Wire layer separation K1	No
No. of wires K1	8
Certification cable K1	UL AWM-Style 20233, UL/CSA
Halogen-free	yes
Silicone-free	yes
Oil resistance	Resistant
Non-flammability	UL VW1
Material	
Housing	PUR
Weight	24 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN converter M8-8sf -- M12-8sm	0.25 m	M12, 8-pin female con- nector, straight	M 8, 8-pin fe- male con- nector, straight		540 329