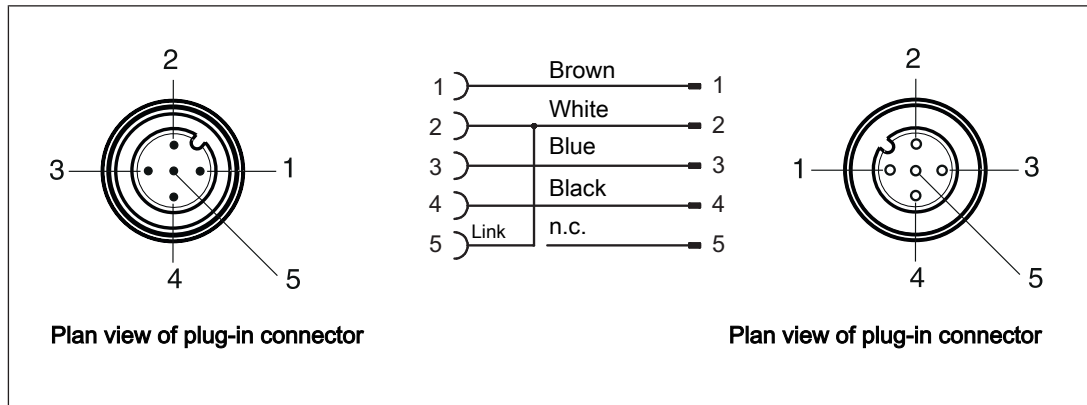


PSEN op SL adapter

Connector pin assignment



NOTICE

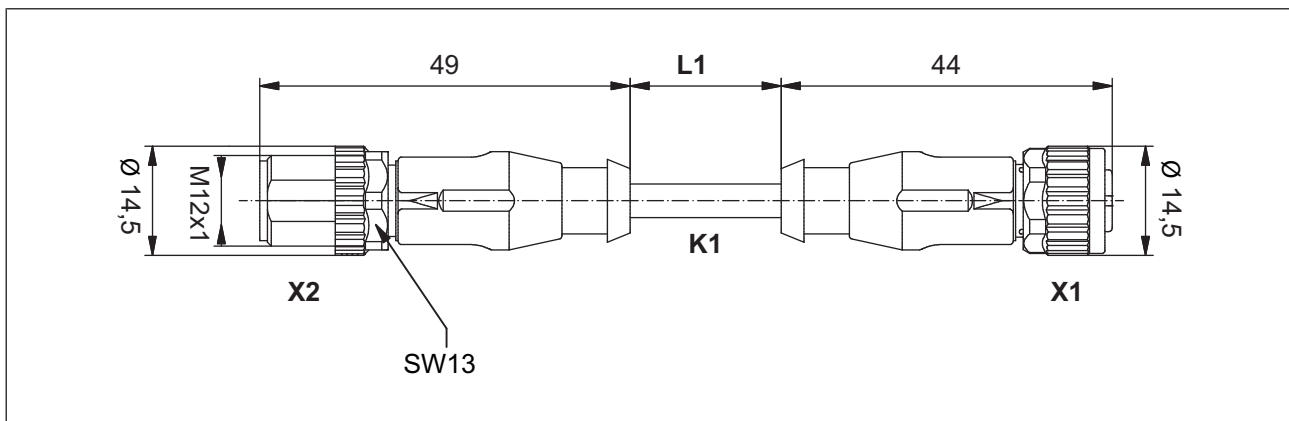
Functional restrictions of the light grid

Use of the adapter cable restricts the function of the light grid:

- Feedback loop monitoring (EDM) is deactivated
- Alignment mode cannot be activated
- Only automatic restart is possible

Feedback loop monitoring (EDM) and manual restart are possible via the evaluation device.

Dimensions



PSEN op SL adapter

Technical details

Electrical data	
Rated voltage	
Voltage UB	60 V
Rated current	4 A
Test voltage	3.000 V
Typ. conductor resistance K1	58 Ohm/km
Insulation resistance	100 MOhm
Specific volume resistance K1	>= 1E+16 Ohm*cm
Environmental data	
Ambient temperature	
Temperature range	-20 - 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, 5-pin male connector
In accordance with the standard	EN 61076-2-101
Plug-in connector X2	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101
Material of ring nut X1	Zn nickel-plated
Material of ring nut X2	Zn nickel-plated
Housing material X1	TPU
Housing material X2	TPU
Material of contact surface X1	Au
Material of contact surface X2	Au
Material of gasket	FPM
Material of pin	CuZn gold-plated
Material of socket	CuZn gold-plated
Conductor material K1	Cu
Insulating cover for conductor K1	PP (9Y)
Mating cycles X1	100
Mating cycles X2	100
Cable length L1	0,1 m
Colour of external cable insulation K1	black
Colour of housing	black
Cable insulation material K1	TPU/TPE-U

PSEN op SL adapter

Mechanical data	
Drag chain suitable K1	yes
Min. bending radius (fixed permanently) K1	6 x Ø
Max. traverse path K1	100 m
Bending cycles cable K1	2.000.000
Max. traverse path K1	20 m
Bending cycles cable K1	10.000.000
Max. traverse speed K1	5 m/s
Max. acceleration K1	10 m/s²
Cable diameter K1	4,4 mm
Max. cable diameter K1	4,55 mm
Conductor cross section K1	0,25 mm²
Wire colour K1	Brown, white, blue, black
No. of wires K1	4
Approval cable K1	UL AWM-Style 20549
Halogen-free	yes
Non-flammability	cULus 20549
Material	
Housing	TPU, UL94 HB
Weight	56 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN op SL adapter	Set of 2 adapter cables for transmitter and receiver	M12, 5-pin male connector	M12, 5-pin female connector		631 187