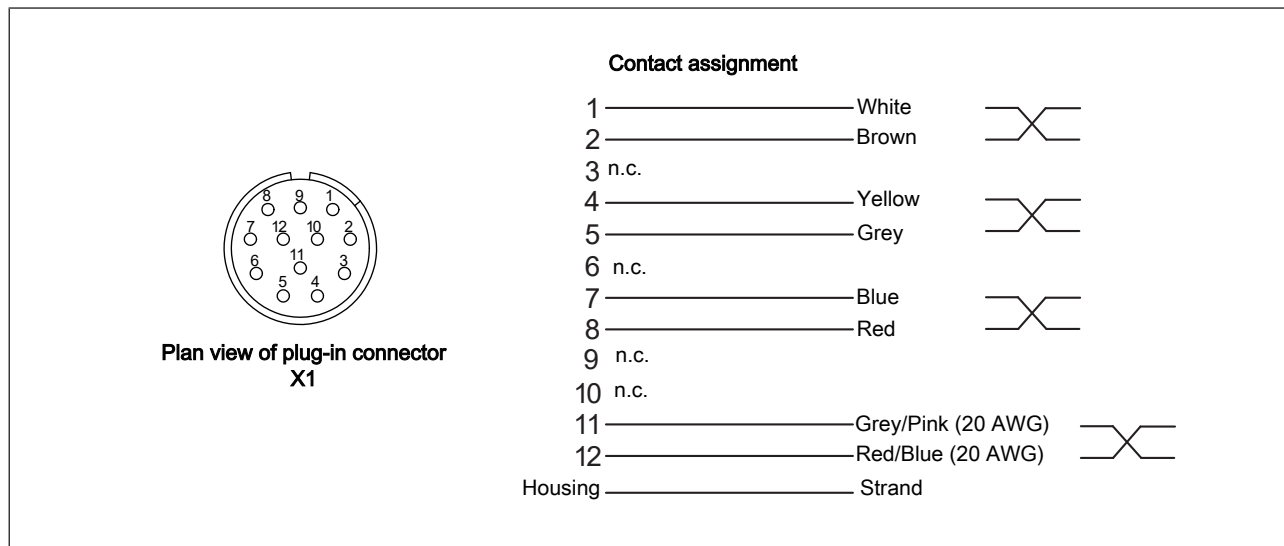


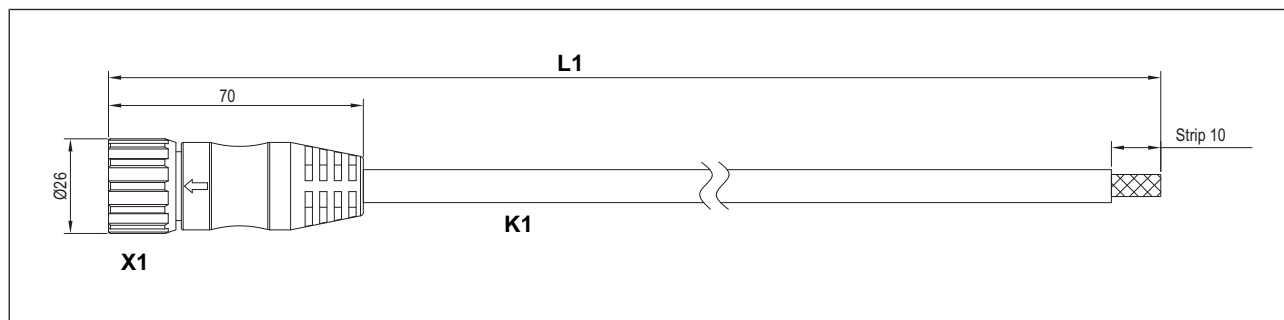
# Accessories

## PSEN Cable M23 12p

### Connector pin assignment



### Dimensions in mm



# Accessories

## PSEN Cable M23 12p

### Technical details

Electrical data	6Z000005	6Z000006	6Z000007	6Z000008
Rated voltage				
Voltage UB	30 V	30 V	30 V	30 V
Rated current	8 A	8 A	8 A	8 A
Typ. conductor resistance data conductor cable K1	94,2 Ohm/km at 20 °C	94,2 Ohm/km at 20 °C	94,2 Ohm/km at 20 °C	94,2 Ohm/km at 20 °C
Typ. conductor resistance supply conductor cable K1	36,7 Ohm/km at 20 °C	36,7 Ohm/km at 20 °C	36,7 Ohm/km at 20 °C	36,7 Ohm/km at 20 °C
Insulation resistance	100 MOhm	100 MOhm	100 MOhm	100 MOhm
Cable insulation resistance K1	100 MOhm/km at 20 °C	100 MOhm/km at 20 °C	100 MOhm/km at 20 °C	100 MOhm/km at 20 °C
Environmental data	6Z000005	6Z000006	6Z000007	6Z000008
Temperature when using in the drag chain	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C
Ambient temperature				
Temperature range	-50 - 80 °C	-50 - 80 °C	-50 - 80 °C	-50 - 80 °C
Temperature range (moving)	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C	-30 - 80 °C
Airgap creepage				
Pollution degree	3	3	3	3
Protection type				
X1 when inserted	IP67	IP67	IP67	IP67
Mechanical data	6Z000005	6Z000006	6Z000007	6Z000008
Plug-in connector X1	M23, 12-pin female connector	M23, 12-pin female connector	M23, 12-pin female connector	M23, 12-pin female connector
Form, plug-in connector X1	Straight	Straight	Straight	Straight
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU	TPU	TPU
Material of socket	CuZn gold-plated	CuZn gold-plated	CuZn gold-plated	CuZn gold-plated
Conductor material K1	Cu	Cu	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)	PP (9Y)	PP (9Y)
Mating cycles X1	100	100	100	100
Cable length L1	5 m	10 m	20 m	30 m

# Accessories

## PSEN Cable M23 12p

Mechanical data	6Z000005	6Z000006	6Z000007	6Z000008
Colour of external cable insulation K1	Signal yellow, RAL1003	Signal yellow, RAL1003	Signal yellow, RAL1003	Signal yellow, RAL1003
Colour of housing	black	black	black	black
Cable insulation material K1	TPU/TPE-U	TPU/TPE-U	TPU/TPE-U	TPU/TPE-U
Drag chain suitable K1	yes	yes	yes	yes
Min. bending radius (fixed permanently) K1	7,5 x Ø	7,5 x Ø	7,5 x Ø	7,5 x Ø
Min. bending radius (moving) K1	10 x Ø	10 x Ø	10 x Ø	10 x Ø
Max. traverse path K1	1 m	1 m	1 m	1 m
Bending cycles cable K1	5.000.000	5.000.000	5.000.000	5.000.000
Max. traverse speed K1	4 m/s	4 m/s	4 m/s	4 m/s
Max. acceleration K1	5 m/s <sup>2</sup>	5 m/s <sup>2</sup>	5 m/s <sup>2</sup>	5 m/s <sup>2</sup>
Cable diameter K1	7,8 mm	7,8 mm	7,8 mm	7,8 mm
Max. cable diameter K1	8,05 mm	8,05 mm	8,05 mm	8,05 mm
Conductor cross section of data conductor AWG K1	24	24	24	24
Conductor cross section of supply conductor AWG K1	20	20	20	20
Wire colour K1	20 AWG: grey/pink-red/blue, 24 AWG: white-brown, yellow-grey, blue-red	20 AWG: grey/pink-red/blue, 24 AWG: white-brown, yellow-grey, blue-red	20 AWG: grey/pink-red/blue, 24 AWG: white-brown, yellow-grey, blue-red	20 AWG: grey/pink-red/blue, 24 AWG: white-brown, yellow-grey, blue-red
Stranding K1	4 x twisted pair	4 x twisted pair	4 x twisted pair	4 x twisted pair
Shielding K1	yes	yes	yes	yes
Shield type K1	Wire mesh	Wire mesh	Wire mesh	Wire mesh
No. of wires K1	8	8	8	8
Certification cable K1	UL AWM-Style 20233	UL AWM-Style 20233	UL AWM-Style 20233	UL AWM-Style 20233
Halogen-free	yes	yes	yes	yes
Silicone-free	No	No	No	No
Oil resistance	Resistant	Resistant	Resistant	Resistant
Non-flammability	UL FT2	UL FT2	UL FT2	UL FT2
Torque of the interlock screw	2.0 Nm	2.0 Nm	2.0 Nm	2.0 Nm
Weight	442 g	814 g	1.603 g	2.360 g

# Accessories

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## PSEN Cable M23 12p

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### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN cable M23-12sf 5m	5 m	M23, 12-pin female connector, straight			6Z000005
PSEN cable M23-12sf 10m	10 m	M23, 12-pin female connector, straight			6Z000006
PSEN cable M23-12sf 20m	20 m	M23, 12-pin female connector, straight			6Z000007
PSEN cable M23-12sf 30m	30 m	M23, 12-pin female connector, straight			6Z000008