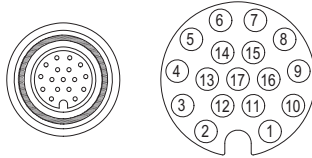


# Accessories

## PSEN sc Cable M12 17p

### Connector pin assignment



Plan view of plug-in connector  
X1

#### Colour coding

1	Brown	26 AWG
2	Blue	26 AWG
3	Blue	26 AWG
4	Green	28 AWG
5	White/black	28 AWG
6	Orange	28 AWG
7	Black	28 AWG
8	Pink	28 AWG
9	Red	28 AWG
10	Brown	26 AWG
11	Brown	26 AWG
12	Blue	26 AWG
13	Grey	28 AWG
14	White	28 AWG
15	Yellow	28 AWG
16	Yellow/green	26 AWG
17	Purple	28 AWG

### Dimensions



# Accessories

## PSEN sc Cable M12 17p

### Technical details

General	6D000027	6D000029	6D000031	6D000033
Certifications	CE, UKCA, cULus Listed	CE, UKCA, cULus Listed	CE, UKCA, cULus Listed	CE, UKCA, cULus Listed
Electrical data	6D000027	6D000029	6D000031	6D000033
Rated voltage				
Voltage UB	30 V	30 V	30 V	30 V
Rated current	1,5 A	1,5 A	1,5 A	1,5 A
Insulation resistance	100 MOhm	100 MOhm	100 MOhm	100 MOhm
Volume resistance	5 mOhm	5 mOhm	5 mOhm	5 mOhm
Environmental data	6D000027	6D000029	6D000031	6D000033
Ambient temperature				
Temperature range	-40 - 80 °C	-40 - 80 °C	-40 - 80 °C	-40 - 80 °C
Temperature range (moving)	-25 - 80 °C	-25 - 80 °C	-25 - 80 °C	-25 - 80 °C
Airgap creepage				
Pollution degree	3	3	3	3
Protection type				
X1 when inserted	IP67 when screwed in place	IP67 when screwed in place	IP67 when screwed in place	IP67 when screwed in place
Mechanical data	6D000027	6D000029	6D000031	6D000033
Plug connector X1	17-pin M12 female connector	17-pin M12 female connector	17-pin M12 female connector	17-pin M12 female connector
in accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight	Straight
Coding of plug-in connector X1	A-coded	A-coded	A-coded	A-coded
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 contact surface X1	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Material of gasket	FPM	FPM	FPM	FPM
Material of socket	CuSn	CuSn	CuSn	CuSn
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

# Accessories

## PSEN sc Cable M12 17p

Mechanical data	6D000027	6D000029	6D000031	6D000033
Cable length L1	2 m	5 m	20 m	50 m
Colour of external cable insulation K1	Signal yellow RAL 1003	Signal yellow RAL 1003	Signal yellow RAL 1003	Signal yellow RAL 1003
Colour of housing	Black	Black	Black	Black
Cable insulation material K1	PUR	PUR	PUR	PUR
Drag chain suitable K1	No	No	No	No
Min. bending radius (fixed permanently) K1	8 x Ø	8 x Ø	8 x Ø	8 x Ø
Min. bending radius (moving) K1	12 x Ø	12 x Ø	12 x Ø	12 x Ø
Cable diameter K1	7 mm	7 mm	7 mm	7 mm
Max. cable diameter K1	7,3 mm	7,3 mm	7,3 mm	7,3 mm
Conductor cross section K1	0,08 mm <sup>2</sup> , 0,14 mm <sup>2</sup>	0,08 mm <sup>2</sup> , 0,14 mm <sup>2</sup>	0,08 mm <sup>2</sup> , 0,14 mm <sup>2</sup>	0,08 mm <sup>2</sup> , 0,14 mm <sup>2</sup>
Conductor cross section AWG K1	26, 28	26, 28	26, 28	26, 28
Shielding K1	No	No	No	No
No. of wires K1	17	17	17	17
Certification cable K1	UL AWM-Style 20233	UL AWM-Style 20233	UL AWM-Style 20233	UL AWM-Style 20233
Certification plug-in connector X1	UL94 V-0	UL94 V-0	UL94 V-0	UL94 V-0
Halogen-free	Yes	Yes	Yes	Yes
Silicone-free	No	No	No	No
Oil resistance	Resistant	Resistant	Resistant	Resistant
Non-flammability	CSA FT-2, UL AWM 20233	CSA FT-2, UL AWM 20233	CSA FT-2, UL AWM 20233	CSA FT-2, UL AWM 20233
Weight	130 g	305 g	1.202 g	3.045 g

# Accessories

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## PSEN sc Cable M12 17p

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### Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
PSEN sc cable M12-17sf, 2m	2 m	M12, 17-pin female connector, straight			6D000027
PSEN sc cable M12-17sf, 5m	5 m	M12, 17-pin female connector, straight			6D000029
PSEN sc cable M12-17sf, 20m	20 m	M12, 17-pin female connector, straight			6D000031
PSEN sc cable M12-17sf, 50m	50 m	M12, 17-pin female connector, straight			6D000033