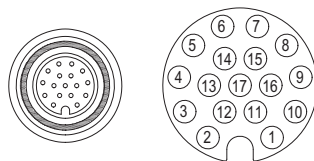


Accessories

PSEN sc cable M12 17p sh

Connector pin assignment

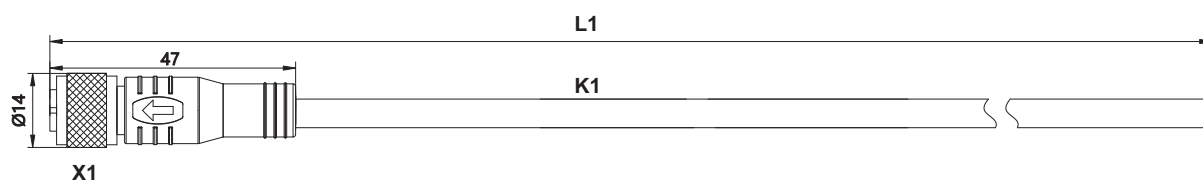


Plan view of plug-in connector
X1

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
	Shield	

Dimensions in mm



Accessories

PSEN sc cable M12 17p sh

Technical details Order no. C1000063, C1000064, C1000065

General	C1000063	C1000064	C1000065
Certifications	CE, UKCA	CE, UKCA	CE, UKCA
Electrical data	C1000063	C1000064	C1000065
Operating voltage	30 V	30 V	30 V
Rated current	1,5 A	1,5 A	1,5 A
Typ. conductor resistance data conductor cable K1	≤ 239 Ohm/km at 20 °C	≤ 239 Ohm/km at 20 °C	≤ 239 Ohm/km at 20 °C
Typ. conductor resistance supply conductor cable K1	≤ 150 Ohm/km at 20 °C	≤ 150 Ohm/km at 20 °C	≤ 150 Ohm/km at 20 °C
Insulation resistance	100 MOhm	100 MOhm	100 MOhm
Volume resistance	5 mOhm	5 mOhm	5 mOhm
Environmental data	C1000063	C1000064	C1000065
Ambient temperature			
Temperature range	-40 - 80 °C	-40 - 80 °C	-40 - 80 °C
Temperature range (moving)	-25 - 80 °C	-25 - 80 °C	-25 - 80 °C
Protection type			
X1 when inserted	IP67 when screwed in place	IP67 when screwed in place	IP67 when screwed in place
Mechanical data	C1000063	C1000064	C1000065
Plug-in connector X1	17-pin M12 female connector	17-pin M12 female connector	17-pin M12 female connector
In accordance with the standard	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Form, plug-in connector X1	Straight	Straight	Straight
Coding of plug-in connector X1	A-coded	A-coded	A-coded
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU	TPU
Material of contact surface X1	CuZn gold-plated	CuZn gold-plated	CuZn gold-plated
Material of gasket	FKM	FKM	FKM
Material of socket	CuZn	CuZn	CuZn
Conductor material K1	Cu	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)	PP (9Y)
Mating cycles X1	500	500	500
Cable length L1	2 m	5 m	10 m
Cable length tolerance L1	+/- 40 mm	+/- 100 mm	+/- 200 mm

Accessories

PSEN sc cable M12 17p sh

Mechanical data	C1000063	C1000064	C1000065
Material of shield surface cable K1	Cu	Cu	Cu
Colour of external cable insulation K1	Signal yellow, RAL1003	Signal yellow, RAL1003	Signal yellow, RAL1003
Colour of housing	black	black	black
Cable insulation material K1	–	–	–
Drag chain suitable K1	No	No	No
Min. bending radius (fixed permanently) K1	8 x Ø	8 x Ø	8 x Ø
Min. bending radius (moving) K1	12 x Ø	12 x Ø	12 x Ø
Cable diameter K1	7,5 mm	7,5 mm	7,5 mm
Max. cable diameter K1	7,75 mm	7,75 mm	7,75 mm
Insulating cover for data conductor K1	PP	PP	PP
Insulating cover for supply conductor cable K1	PP	PP	PP
Conductor cross section of data conductor AWG K1	28	28	28
Conductor cross section of supply conductor AWG K1	26	26	26
Conductor cross section of data conductor K1	0,09 mm²	0,09 mm²	0,09 mm²
Conductor cross section of supply conductor K1	0,14 mm²	0,14 mm²	0,14 mm²
Shielding K1	yes	yes	yes
Shield type K1	Tin-plated copper braid	Tin-plated copper braid	Tin-plated copper braid
No. of wires K1	17	17	17
Certification cable K1	AWM II A/B FT2, UL AWM-Style 20233	AWM II A/B FT2, UL AWM-Style 20233	AWM II A/B FT2, UL AWM-Style 20233
Certification plug-in connector X1	UL	UL	UL
Halogen-free	yes	yes	yes
Silicone-free	yes	yes	yes
Oil resistance	Resistant	Resistant	Resistant
Non-flammability	UL 20233, UL FT2	UL 20233, UL FT2	UL 20233, UL FT2
Torque of the interlock screw	0.4 Nm	0.4 Nm	0.4 Nm
Weight	156 g	375 g	725 g

Accessories

PSEN sc cable M12 17p sh

Technical details Order no. C1000066, C1000067

General	C1000066	C1000067
Certifications	CE, UKCA	CE, UKCA
Electrical data	C1000066	C1000067
Operating voltage	30 V	30 V
Rated current	1,5 A	1,5 A
Typ. conductor resistance data conductor cable K1	239 Ohm/km at 20 °C	239 Ohm/km at 20 °C
Typ. conductor resistance supply conductor cable K1	150 Ohm/km at 20 °C	150 Ohm/km at 20 °C
Insulation resistance	100 MOhm	100 MOhm
Volume resistance	5 mOhm	5 mOhm
Environmental data	C1000066	C1000067
Ambient temperature		
Temperature range	-40 - 80 °C	-40 - 80 °C
Temperature range (moving)	-25 - 80 °C	-25 - 80 °C
Protection type		
X1 when inserted	IP67 when screwed in place	IP67 when screwed in place
Mechanical data	C1000066	C1000067
Plug-in connector X1	17-pin M12 female connector	17-pin M12 female connector
In accordance with the standard	IEC 61076-2-101	IEC 61076-2-101
Form, plug-in connector X1	Straight	Straight
Coding of plug-in connector X1	A-coded	A-coded
Material of ring nut X1	CuZn nickel-plated	CuZn nickel-plated
Housing material X1	TPU	TPU
Material of contact surface X1	CuZn gold-plated	CuZn gold-plated
Material of gasket	FKM	FKM
Material of socket	CuZn	CuZn
Conductor material K1	Cu	Cu
Insulating cover for conductor K1	PP (9Y)	PP (9Y)
Mating cycles X1	500	500
Cable length L1	20 m	50 m
Cable length tolerance L1	+/- 400 mm	+/- 1000 mm
Material of shield surface cable K1	Cu	Cu
Colour of external cable insulation K1	Signal yellow, RAL1003	Signal yellow, RAL1003
Colour of housing	black	black
Cable insulation material K1	–	–
Drag chain suitable K1	No	No
Min. bending radius (fixed permanently) K1	8 x Ø	8 x Ø

Accessories

PSEN sc cable M12 17p sh

Mechanical data	C1000066	C1000067
Min. bending radius (moving) K1	12 x Ø	12 x Ø
Cable diameter K1	7,5 mm	7,5 mm
Max. cable diameter K1	7,75 mm	7,75 mm
Insulating cover for data conductor K1	PP	PP
Insulating cover for supply conductor cable K1	PP	PP
Conductor cross section of data conductor AWG K1	28	28
Conductor cross section of supply conductor AWG K1	26	26
Conductor cross section of data conductor K1	0,09 mm ²	0,09 mm ²
Conductor cross section of supply conductor K1	0,14 mm ²	0,14 mm ²
Shielding K1	yes	yes
Shield type K1	Tin-plated copper braid	Tin-plated copper braid
No. of wires K1	17	17
Certification cable K1	AWM II A/B FT2, UL AWM-Style 20233	AWM II A/B FT2, UL AWM-Style 20233
Certification plug-in connector X1	UL	UL
Halogen-free	yes	yes
Silicone-free	yes	yes
Oil resistance	Resistant	Resistant
Non-flammability	UL 20233, UL FT2	UL 20233, UL FT2
Torque of the interlock screw	0.4 Nm	0.4 Nm
Weight	1.451 g	3.631 g

Order reference

Product type	Features	Order no.
PSEN sc cable M12-17sf sh, 2m	Connection cable for PSENscan, 17-pin M12 female connector, A-coded, shielded, cable length: 2 m	C1000063
PSEN sc cable M12-17sf sh, 5m	Connection cable for PSENscan, 17-pin M12 female connector, A-coded, shielded, cable length: 5 m	C1000064
PSEN sc cable M12-17sf sh, 10m	Connection cable for PSENscan, 17-pin M12 female connector, A-coded, shielded, cable length: 10 m	C1000065
PSEN sc cable M12-17sf sh, 20m	Connection cable for PSENscan, 17-pin M12 female connector, A-coded, shielded, cable length: 20 m	C1000066
PSEN sc cable M12-17sf sh, 50m	Connection cable for PSENscan, 17-pin M12 female connector, A-coded, shielded, cable length: 50 m	C1000067