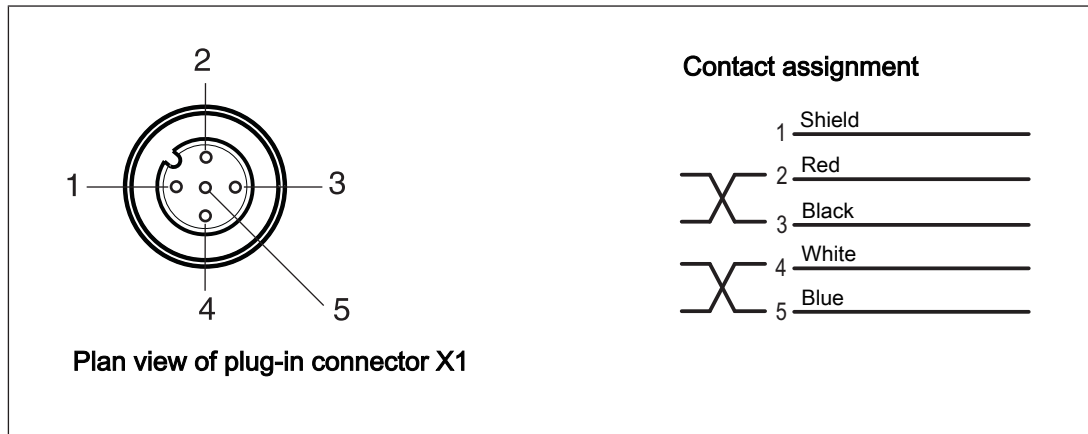


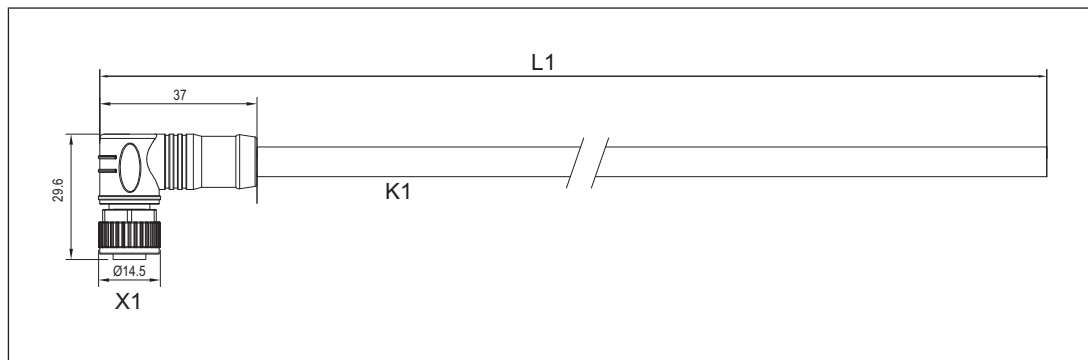
Accessories

Cable CAN M12 5p

Connector pin assignment



Dimensions



Technical details

General	C1000044	C1000045	C1000046
Certifications	CE, UKCA, cULus Listed	CE, UKCA, cULus Listed	CE, UKCA, cULus Listed
Electrical data	C1000044	C1000045	C1000046
Rated voltage			
Voltage UB	30 V	30 V	30 V
Rated current	4 A	4 A	4 A
Typ. conductor resistance data conductor cable K1	≤ 87.5 Ohm/km at 20 °C	≤ 87.5 Ohm/km at 20 °C	≤ 87.5 Ohm/km at 20 °C
Typ. conductor resistance supply conductor cable K1	≤ 43.6 Ohm/km at 20 °C	≤ 43.6 Ohm/km at 20 °C	≤ 43.6 Ohm/km at 20 °C
Cable insulation resistance K1	> 2.5 MOhm/kft	> 2.5 MOhm/kft	> 2.5 MOhm/kft
Characteristic impedance K1	120 Ohm ± 15 Ohm	120 Ohm ± 15 Ohm	120 Ohm ± 15 Ohm

Accessories

Cable CAN M12 5p

Environmental data	C1000044	C1000045	C1000046
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
Airgap creepage			
Pollution degree	3	3	3
Protection type			
X1 when inserted	IP67, IP69K when screwed in place	IP67, IP69K when screwed in place	IP67, IP69K when screwed in place
Mechanical data	C1000044	C1000045	C1000046
Plug-in connector X1	M12, 5-pin female connector	M12, 5-pin female connector	M12, 5-pin female connector
In accordance with the standard	EN 61076-2-101	EN 61076-2-101	EN 61076-2-101
Form, plug-in connector X1	Angled	Angled	Angled
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, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.	CuZn, Ni b/Au 0.2 gal.
Material of gasket	FKM	FKM	FKM
Material of socket	CuZn	CuZn	CuZn
Conductor material K1	Cu	Cu	Cu
Mating cycles X1	100	100	100
Cable length L1	5 m	10 m	15 m
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	PUR	PUR	PUR
Drag chain suitable K1	No	No	No
Min. bending radius (fixed permanently) K1	12 x Ø	12 x Ø	12 x Ø
Min. bending radius (moving) K1	15 x Ø	15 x Ø	15 x Ø
Cable diameter K1	7,5 mm	7,5 mm	7,5 mm
Max. cable diameter K1	7,7 mm	7,7 mm	7,7 mm
Insulating cover for data conductor K1	FM-PE	FM-PE	FM-PE

Accessories

Cable CAN M12 5p

Mechanical data	C1000044	C1000045	C1000046
Insulating cover for supply conductor cable K1	HD-PE	HD-PE	HD-PE
Conductor cross section of data conductor AWG K1	24	24	24
Conductor cross section of supply conductor AWG K1	21	21	21
Conductor cross section of shield AWG K1	21	21	21
Conductor cross section of data conductor K1	0,22 mm ²	0,22 mm ²	0,22 mm ²
Conductor cross section of supply conductor K1	0,50 mm ²	0,50 mm ²	0,50 mm ²
Conductor cross section of shield K1	0,50 mm ²	0,50 mm ²	0,50 mm ²
Wire diameter of supply cable K1	0,2 mm	0,2 mm	0,2 mm
Wire colour K1	21 AWG: Red/black, 24 AWG: White/blue	21 AWG: Red/black, 24 AWG: White/blue	21 AWG: Red/black, 24 AWG: White/blue
Stranding K1	1x2xAWG24+Al)+(1x2x-AWG21+Al), around screening	1x2xAWG24+Al)+(1x2x-AWG21+Al), around screening	1x2xAWG24+Al)+(1x2x-AWG21+Al), around screening
Shielding K1	yes	yes	yes
Shield type K1	Wire mesh	Wire mesh	Wire mesh
No. of wires K1	5	5	5
Certification cable K1	CSA AWM I/II A/B, UL AWM-Style 20233	CSA AWM I/II A/B, UL AWM-Style 20233	CSA AWM I/II A/B, UL AWM-Style 20233
Halogen-free	yes	yes	yes
Silicone-free	No	No	No
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	376 g	752 g	1.118 g

Accessories

Cable CAN M12 5p

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
Cable/CA/ M12-5AFX/A/005/ XXXX/SH	5 m	M12, 5-pin fe- male con- nector, angled			C1000044
Cable/CA/ M12-5AFX/A/010/ XXXX/SH	10 m	M12, 5-pin fe- male con- nector, angled			C1000045
Cable/CA/ M12-5AFX/A/015/ XXXX/SH	15 m	M12, 5-pin fe- male con- nector, angled			C1000046