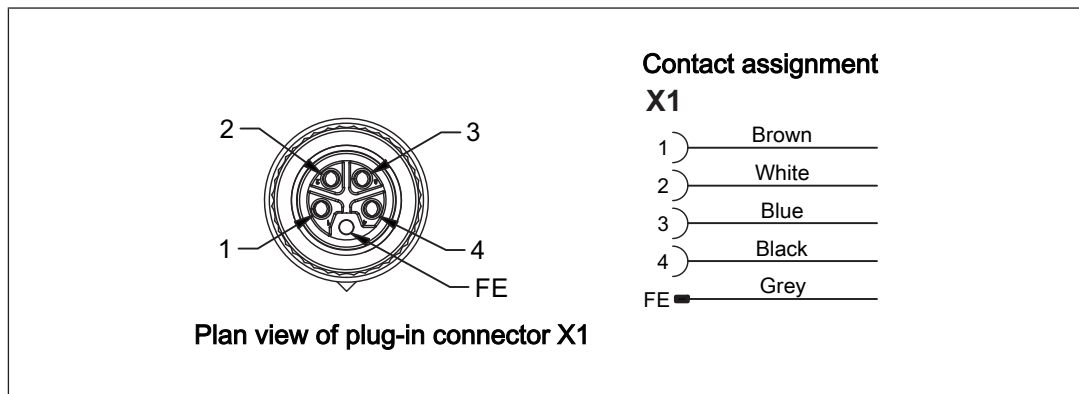
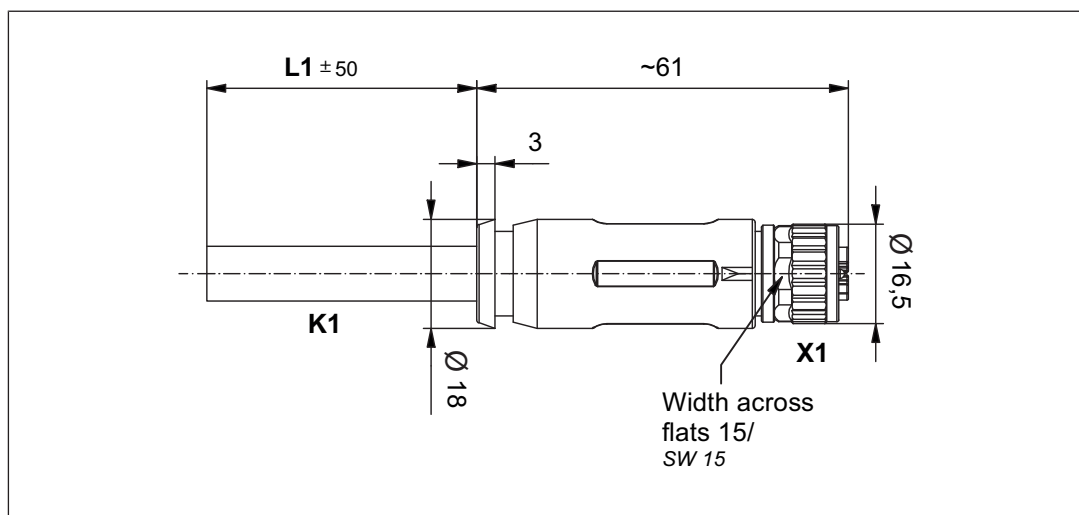


Cable PW M12 5p

Connector pin assignment



Dimensions in mm



Technical details

General

Certifications **CE, UKCA, cULus Listed**

Electrical data

Rated voltage	
Voltage UB	30 V
Rated current	16 A
Test voltage	3.000 V
Typ. conductor resistance K1	8 Ohm/km
Insulation resistance	100 MOhm
Specific volume resistance K1	$\geq 1E+16$ Ohm*cm

Accessories

Cable PW M12 5p

Environmental data

Ambient temperature	
Temperature range	-30 - 90 °C
Temperature range (moving)	-25 - 80 °C
Max. temperature in accordance with UL	80 °C

Airgap creepage	
In accordance with the standard	IEC 60664-1
Pollution degree	2

Protection type	
X1 when inserted	IP67 when screwed in place

Mechanical data

Plug-in connector X1	M12, 5-pin female connector
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In accordance with the standard	EN 61076-2-111
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Form, plug-in connector X1	Straight
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Coding of plug-in connector X1	L-coded
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Material of ring nut X1	CuZn, Ni b
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Housing material X1	TPU, UL94 HB
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Material of contact surface X1	Ni b / Au 0.2 gal.
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Material of gasket	FPM
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Material of socket	CuNi
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Conductor material K1	Cu
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Insulating cover for conductor K1	PP (9Y)
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Mating cycles X1	100
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Cable type K1	Li9Y11Y
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Cable length L1	10 m
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Colour of external cable insulation K1	Jet black, RAL9005
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Colour of housing	black
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Cable insulation material K1	TPU/TPE-U
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Drag chain suitable K1	yes
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Min. bending radius (fixed permanently) K1	5 x Ø
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Min. bending radius (moving) K1	10 x Ø
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Max. traverse path K1	10 m
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Bending cycles cable K1	4.000.000
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Max. traverse speed K1	3 m/s
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Max. acceleration K1	10 m/s ²
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Cable diameter K1	9,1 mm
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Max. cable diameter K1	9,35 mm
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Conductor cross section K1	2,5 mm ²
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Conductor cross section AWG K1	14
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Wire colour K1	Brown, white, blue, black, grey
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Stranding K1	5 cores around filler
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Accessories

Cable PW M12 5p

Mechanical data

Shielding K1	No
No. of wires K1	5
Certification cable K1	UL AWM-Style 20549
Certification plug-in connector X1	UL 94 HB
Halogen-free	yes
Halogen-free in accordance with the standard	DIN VDE 0472-815
Silicone-free	No
Oil resistance	Resistant
Oil-resistance in accordance with the standard	DIN EN 60811-2-1
Non-flammability	UL 758/1581, cUL FT2
Weight	1.756 g

Order reference

Product type	Features	Connector X1	Connector X2	Connector X3	Order no.
Cable/PW/ M12-5SFX/ XXX-5XXX/L/ 010/2Q50/BK	10 m	M12, 5-pin fe- male con- nector, straight			C1000062