

22260063	DATA SHEET	
Valid from: 29.11.2023	AB-C5-M12MS-(L*)PUR-M12FA	

Product description

- Sensor/actuator cable, 5-pol, PUR halogen-free, black
- Straight M12-plug on angled M12-jack



General characteristics

Number of pins	5
Ambient temperature	-25 °C to +90 °C (-13°F to 194°F) (plug / jack) -40 °C to +80 °C (-40°F to 176°F) (cable, fixed installation) -25 °C to +80 °C (-13°F to 176°F) (cable, movable installation)
Degree of protection	IP65 / IP67 / IP68
Coding	A-standard
Tightening torque	0,4 Nm (M12-connector)
Plugging cycles	≥ 100

Variation

Article number	Description	Length [m]	Configuration
22260063	AB-C5-M12MS-0,3PUR-M12FA	0,3	straight - angled
22260064	AB-C5-M12MS-0,6PUR-M12FA	0,6	straight - angled
22260065	AB-C5-M12MS-1,0PUR-M12FA	1,0	straight - angled
22260066	AB-C5-M12MS-2,0PUR-M12FA	2,0	straight - angled
22262176	AB-C5-M12MS-3,0PUR-M12FA	3,0	straight - angled

Additional note

Data sheet also valid for variant lengths. Other lengths on request.

Electrical properties

Rated voltage	60 V DC / 48 V AC
Rated current	4 A
Overvoltage category	II
Pollution degree	3

Mechanical properties

Plug, jack

Inflammability class in accordance with UL 94	HB
Contact, material	CuSn
Contact carrier, material	TPU GF
Contact surface, material	Ni/Au
Knurl, material	Zinc diecasting, nickel-plated
Handle, material	TPU, flame retardant, self-extinguishing
Sealing, material	NBR

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Line

Cable construction	5 x AWG22/42
Signal line, construction	42 x 0,1 mm
Conductor cross-section	0,34 mm ² (Signal line)
Conductor diameter including isolation	1,27 mm ± 0,02 mm (Signal line)
Cable outer diameter	5,0 mm ± 0,15mm
Insulation color	brown, white, blue, black, green/yellow
Sheath color	grey-black, RAL 7021
Number of bending cycles	10.000.000
Bending radius	50 mm
Traveling distance	10 m
Traveling speed	3 m/s
Acceleration	10 m/s ²
Cable weight	33 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	≥ 16 GΩ*km (at 20 °C)
Flame resistance	acc. to UL 758 / 1581 FT2 DIN EN 60332-2-2 (20 s)
Halogen-free	acc. to DIN VDE 0472 Part 815
Oil resistance	acc. to DIN EN 60811-2-1
Other resistances	resistant to hydrolysis and microbes good resistant to acids, lyes and solvents limited UV resistance acc. to DIN EN ISO 4892-2-A resistant to sea water

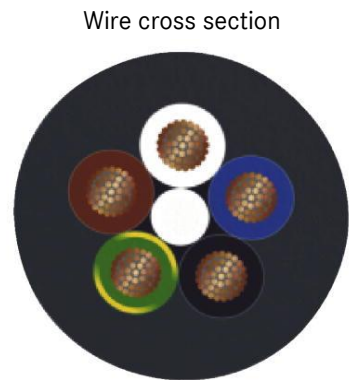
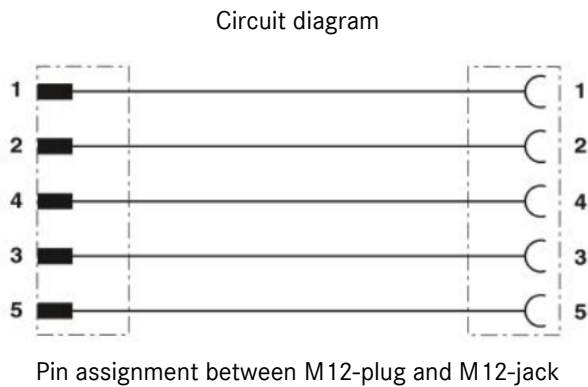
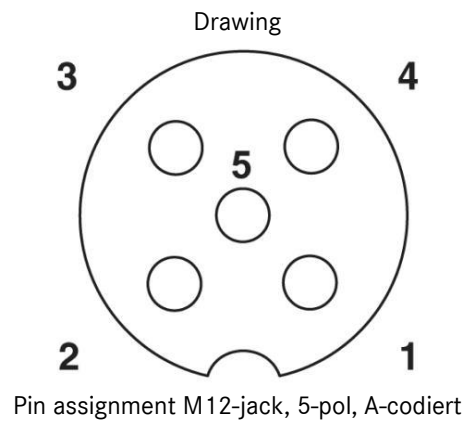
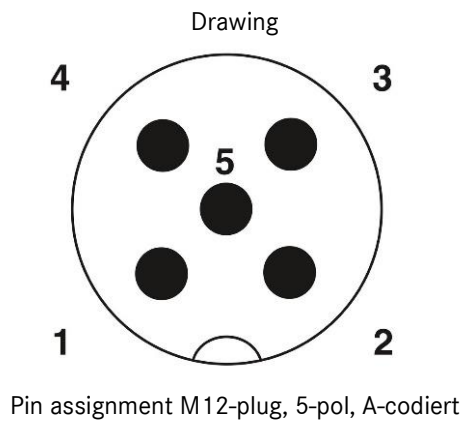
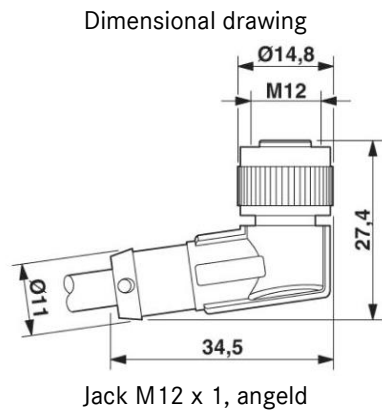
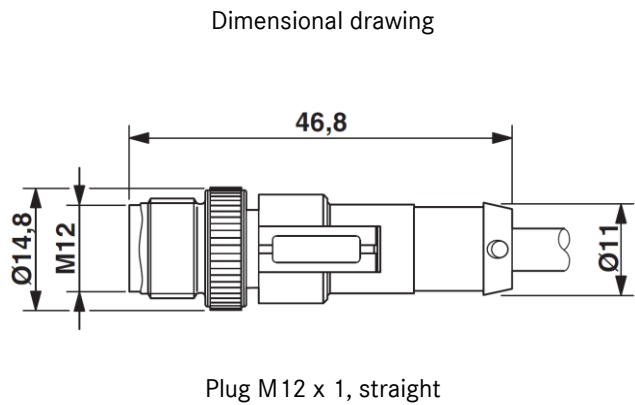
Standards/Approvals

Product standard, M12 connector	IEC 61076-2-101
UL-listed, E-File	E249137

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Technical drawing



Application range
For increased mechanical load and rough operating conditions

Note
Photographs are not true to scale and do not represent detailed images of the respective products.