


22260562	DATA SHEET	
Valid from: 18.11.2019	AB-C3-M12MS-0,3PUR-CI-1L-S	

Description

- Sensor/actuator cable with LED, PUR halogen-free
- Connector straight M12, A-coded, 3-pol
- Connected with Z-diode



General characteristics

Connector	M12-plug, A-coded
Number of pins	3
Ambient temperature (operation)	-25 to +90 °C (-13°F to 194°F) (connector) -20 bis +80 °C (-4°F bis 176°F) (valve plug) -40 to +80 °C (-40°F to 176°F) (cable fixed installation) -20 to +80 °C (-4°F to 176°F) (cable flexible)
Degree of protection	IP 65 / IP 67

Variation

Article	Description	Length [m]
22260562	AB-C3-M12MS-0.3PUR-CI-1L-S	0.3
22260563	AB-C3-M12MS-0.6PUR-CI-1L-S	0.6
22260564	AB-C3-M12MS-1.0PUR-CI-1L-S	1.0
22260565	AB-C3-M12MS-2.0PUR-CI-1L-S	2.0

Additional note

This datasheet is also valid for other length configurations. Other lengths upon request.

Electrical properties


Rated voltage	24 V
Rated current	4 A
Overvoltage category	III
Pollution degree	3

Mechanical properties

Plug

Inflammability class according to UL 94	HB
Contact	CuSn
Contact surface	Ni / Au
Contact carrier	TPU GF
Handle body	TPU
Contact valve plug	CuSn
Contact surface valve plug	Sn
Contact insert valve plug	PA 66
Housing valve plug	TPU
Knurl	Zinc diecasting, nickel-plated
Seal	TPU (seal injected)

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Line

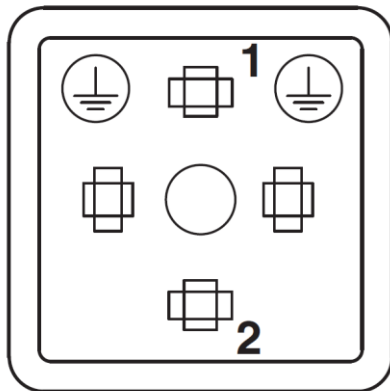
Cable construction	3x AWG20/28
Conductor diameter including isolation	1.5 mm ± 0.05 mm (signal line)
Cable outer diameter	4.5 mm ± 0.2 mm
Core identification	Black 1, black 2, green / yellow
Sheath colour	Black grey RAL 7021
Bending radius	50 mm
Number of bending cycle	15000000
Traveling distance	0.9 m
Travel speed	5 m/s
Acceleration	30 m/s ²
Outer coating, material	PUR
Wire insulation, material	PP
Flame resistance	Acc. DIN VDE 0482 Acc. DIN EN 50265-2-1
Halogen-free	Acc. DIN VDE 0472 part 8 15

Standards / Approvals

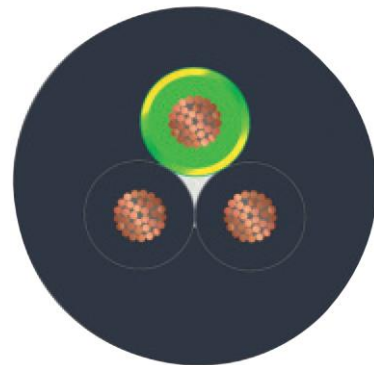
Product standard, M12 connector	IEC 61076-2-101
Valve connectors	EN 175301-803

Technical drawing

Drawing



Wire cross section



Application range

Automation, industrial machinery and plant engineering

Note

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

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