

22260573	DATA SHEET	
Valid from: 10.01.2024	AB-C5-M12MS-(L*)PUR-AD-2L	

Product description

- Sensor/actuator cable, 5-pins, PUR halogen-free, black
- Straight M12-plug on valve connector, AD (pressure switch)
- 2 LEDs



General characteristics

Number of pins	5
Ambient temperature	-25 °C to +90 °C (-4°F to 185°F) (plug / jack) -20 °C to +85 °C (-4°F to 185°F) (valve connector) -40 °C to +80 °C (-40°F to 176°F) (cable, fixed installation) -20 °C to +80 °C (-4°F to 176°F) (cable, movable installation)
Degree of protection	IP 65 / IP 67
Coding	A - standard
Protection circuit/component	unconnected
Tightening torque	0,6 Nm (valve-connector) 0,4 Nm (M12-connector)
Plugging cycles	≥ 100 (M12-connector)

Variation

Article number	Description	Length [m]	Configuration
22260573	AB-C5-M12MS-0,3PUR-AD-2L	0,3	straight – AD (pressure switch)
22260572	AB-C5-M12MS-0,6PUR-AD-2L	0,6	straight – AD (pressure switch)
22260571	AB-C5-M12MS-1,0PUR-AD-2L	1,0	straight – AD (pressure switch)
22260570	AB-C5-M12MS-2,0PUR-AD-2L	2,0	straight – AD (pressure switch)

Additional note

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

Electrical properties

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

Mechanical properties

Valve connector

Contact, material	CuSn
Contact insert, material	PA 6
Contact surface, material	Sn
Housing	TPU

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Plug

Inflammability class in accordance with UL 94	V0
Contact, material	CuSn
Contact carrier, material	TPU GF
Contact surface, material	Ni / Au
Knurl, material	Zinc die-cast, nickel-plated
Grip body, material	TPU
Seal, material	TPU (seal injected)

Line

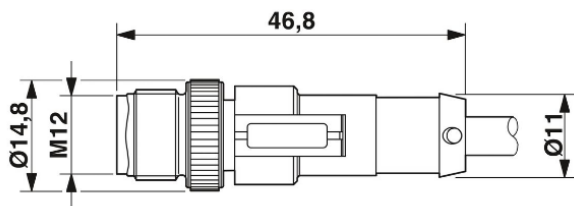
Cable construction	5 x AWG20/28
Signal line, construction	28 x 0,15 mm
Conductor cross-section	0,50 mm ²
Conductor diameter including isolation	1,5 mm ± 0,05 mm (Signal line)
Cable outer diameter	5,3 mm ± 0,2 mm
Insulation color	black 1, black 2, black 3, black 4, green/yellow
Sheath color	black – grey, RAL 7021
Number of bending cycles	15.000.000
Bending radius	50 mm
Traveling distance	0,9 m
Traveling speed	5 m/s
Acceleration	30 m/s ²
Cable weight	44,8 kg/km
Outer coating, material	PUR
Wire insulation, material	PP
Insulation resistance	min. 20 MΩ*km
Conductor resistance	39 Ω/km (at 20 °C)
Flame resistance	acc. to UL-Style 20549
Halogen-free	acc. to DIN VDE 0472 Part 815
Oil resistance	acc. to DIN EN 60811-2-1
Other resistance	largely oil-resistant limited UV resistance acc. to DIN EN ISO 4892-2-A good resistant to acids, lyes and solvents resistant to hydrolysis and microbes

Standards/Approvals

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

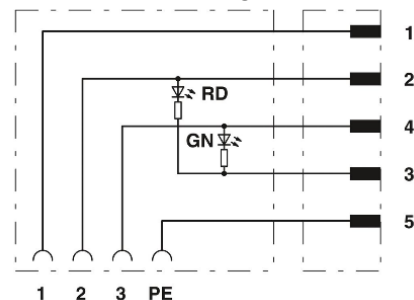
Technical drawing

Dimensional drawing



Plug M12 x 1, straight, A-coding

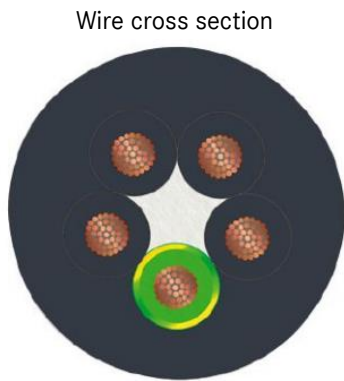
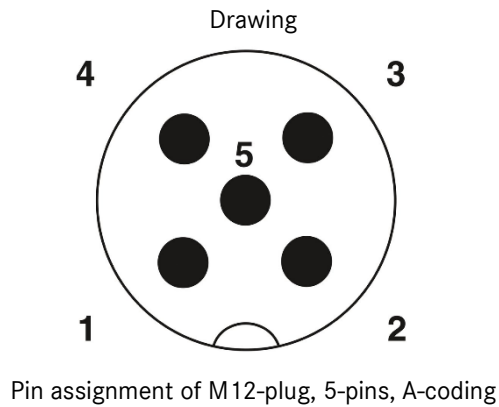
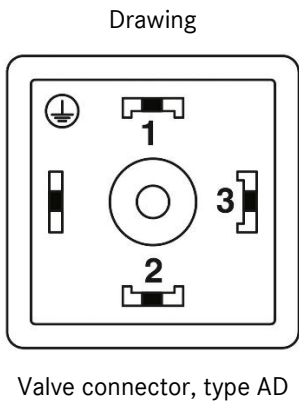
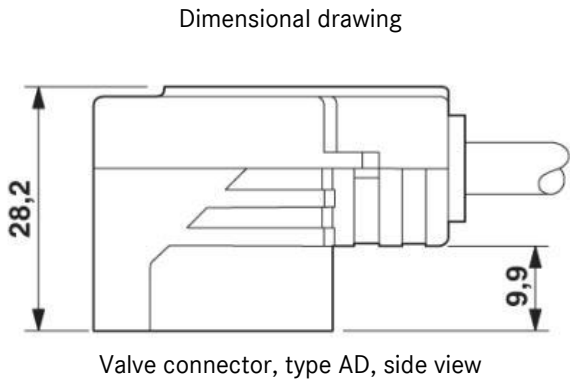
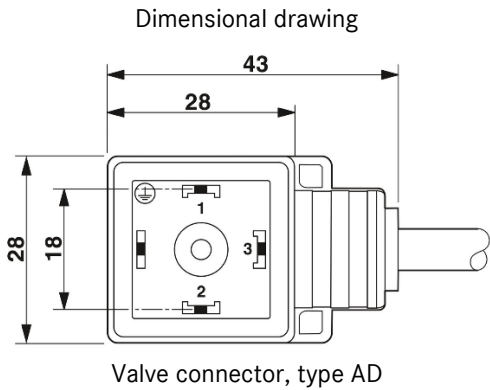
Circuit diagram



Pin assignment between M12-plug and valve connector

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Application range
Automation, Tool shop, Mechanical Engineering and plant engineering

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