


22260573	DATA SHEET	
Valid from: 17.09.2018	AB-C5-M12MS-0,3PUR-AD-2L	

Description

- Sensor/actuator cable with 2 LEDs, PUR halogen-free
- Connector straight M12, A-coded, 5-pol
- On valve plug AD (pressure switch)



General characteristics

Connector	M12-plug, A-coded
Number of pins	5
Ambient temperature	-25 to +90 °C (-13°F to 194°F) (connector) -20 to +85 °C (-4°F to 185°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]
22260570	AB-C5-M12MS-2.0PUR-AD-2L	2.0
22260571	AB-C5-M12MS-1.0PUR-AD-2L	1.0
22260572	AB-C5-M12MS-0.6PUR-AD-2L	0.6
22260573	AB-C5-M12MS-0.3PUR-AD-2L	0.3

Additional note


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

Mechanical properties

Plug

Inflammability class according to UL 94	V0
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 6
Housing valve plug	TPU
Knurl	Zinc diecasting, nickel-plated
Seal	TPU (seal injected)
Tightening torque	0.4 Nm (M12-connector) 0.6 Nm (valve plug connector)

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Line

Conductor diameter including isolation	1.5 mm ± 0.05 mm (signal line)
Cable outer diameter	5.3 mm ± 0.02 mm
Core identification	Black 1, black 2, black 3, black 4, 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. UL-Style 20549
Halogen-free	Acc. DIN VDE 0472 part 815

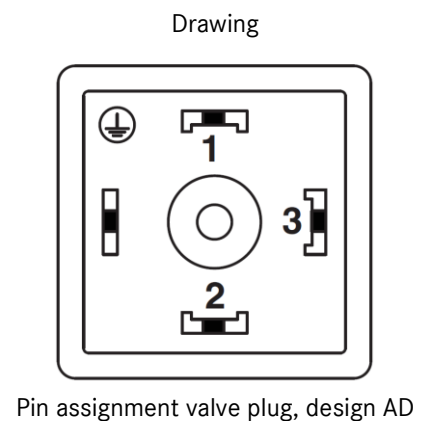
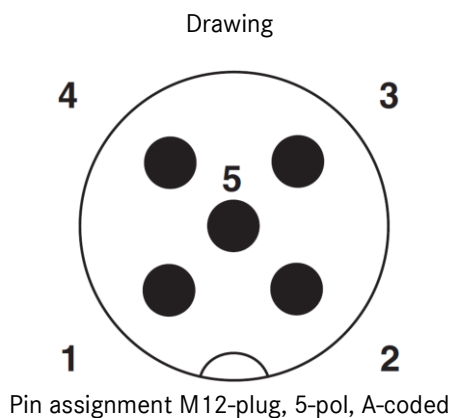
Electrical properties

Rated voltage	24 V
Rated current at 40 °C	4 A
Overvoltage category	II
Pollution degree	3


Standards / Approvals

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

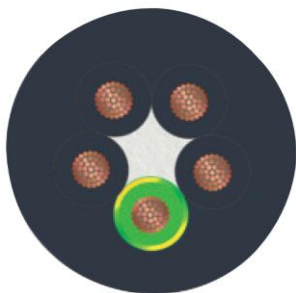
Technical drawing



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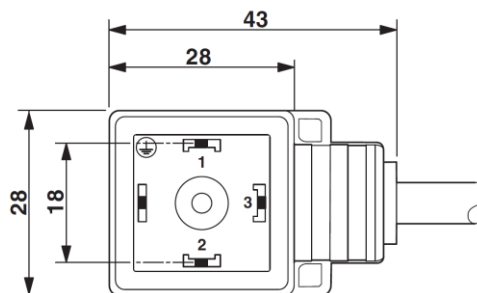
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Wire cross section



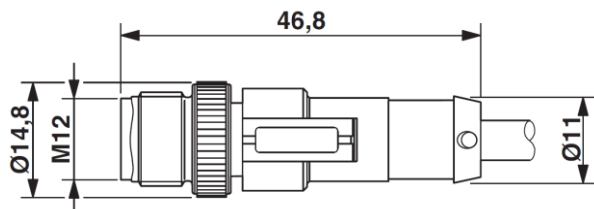
PUR Halogen-free black

Dimensional drawing



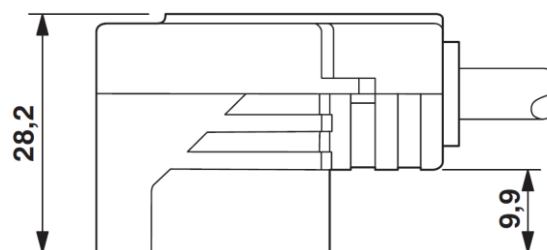
Valve plug, design AD

Dimensional drawing



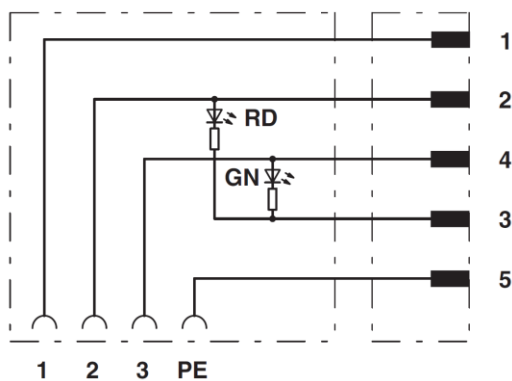
Plug M12 SPEEDCON, straight

Dimensional drawing



Valve plug, design AD

Circuit diagram



Contact the M12 connector and the valve plug

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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