

M12 male 0° A-cod. with cable shielded

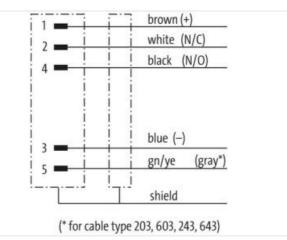
PVC 5x0.34 shielded gy 2m

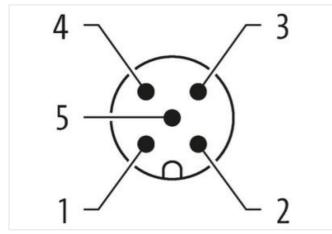
Male straight M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

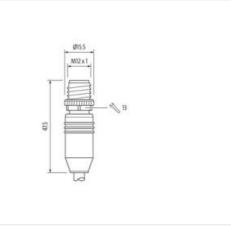
Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

Tightening torque

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2 m

0,6 Nm

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Family construction formMThreadMCodingMMaterial contactMMaterialFNo. of polesFWidth across flatsFDegree of protection (EN IEC 60529)F	gold plated M12 M12 x 1 A Copper alloy PUR 5 SW13 IP65, IP66K, IP67
Thread M Coding M Material contact O Material M No. of poles S Width across flats S Degree of protection (EN IEC 60529) I	M12 x 1 A Copper alloy PUR 5 SW13
CodingAMaterial contactOMaterialFNo. of poles5Width across flats5Degree of protection (EN IEC 60529)F	A Copper alloy PUR 5 SW13
Material contactOMaterialFNo. of poles5Width across flats5Degree of protection (EN IEC 60529)F	Copper alloy PUR 5 SW13
MaterialFNo. of poles5Width across flats5Degree of protection (EN IEC 60529)1	PUR 5 SW13
No. of poles5Width across flats5Degree of protection (EN IEC 60529)1	5 SW13
Width across flats S Degree of protection (EN IEC 60529) I	SW13
Degree of protection (EN IEC 60529)	
	IP65, IP66K, IP67
Side 2	
Stripping length (jacket) 2	20 mm
Coating contact g	gold plated
Commercial data	
ECLASS-6.0	27279218
	27279218
	27279218
	27060311
	27060311
	27060311
	27060311
	EC001855
	85444290
	4048879201131
	1
Electrical data Supply	·
	60 V
	60 V 4 A
	4 A
Diagnostics	
Status indication LED r	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree i	inserted, screwed
	3
	1,5 kV
Material group (IEC 60664-1)	·
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
	Nickeled
	nickel plated
	Zinc die-casting
	Zinc die-casting
Mechanical data Mounting data	
	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
	25 °C
Operating temperature min.	-25 °C

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Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
•	
Cable identification	348
Jacket Color	gray 1
Amount stranding Stranding	s wires around Core filler twisted
Stranding factor min.	75 mm
Stranding factor max.	75 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	brown, black, blue, white, green-yellow
Cable weigth	72,05 g/m
Material jacket	PVC
Shore hardness jacket	75 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	85 Shore A
Ingredient freeness wire insulation	lead-free. CFC-free
Amount strands (wire)	42
Diameter of single wires	0.1 mm
Conductor crosssection (wire)	0,34 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing

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Oil resistance

Good, application-related testing | DIN EN 60811-404

Bending radius (dynamic)

15 x Outer diameter