

M12 male 90° A-cod. with cable shielded

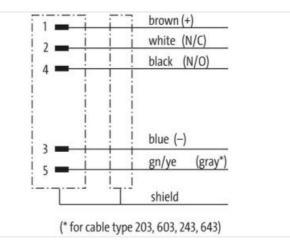
PUR 5x0.34 shielded bk UL/CSA+drag ch. 1m

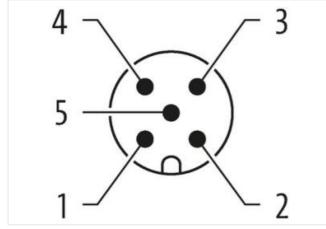
Male 90° M12, 5-pole shielded A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

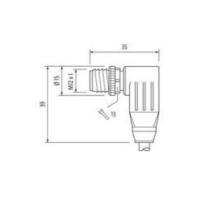
Link to Product











Product may differ from Image



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879778237
Packaging unit	1
Electrical data Supply	•
	60 V
Operating voltage AC max. Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 ℃
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.

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05

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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.

DIN EN 61076-2-101 (M12)
643
3
black
cURus
1
5 wires around Core filler twisted
copper braid, tinned
80 %
Fleece, Foil
yes
brown, black, blue, white, gray
5 m @ 25 °C horizontal
57,2 g/m
PUR
90 ± 5 Shore A
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
5,6 mm
±5%
PP
5
1,25 mm
±5%
70 ± 5 Shore D
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
42
0,1 mm
0,34 mm ²
Stranded copper wire, bare
strand class 6
300 V
to DIN VDE 0298-4
4,5 A
57 Ω/km @ 20 °C
2 kV @ 60 s
2 kV @ 60 s
2 kV @ 60 s
-40 °C
80 °C / 90 °C @ 10000 h Operation
-25 °C
80 °C / 90 °C @ 10000 h Operation
DIN EN ISO 4892-2 A
UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Good, application-related testing
Good, application-related testing
DIN EN 60811-404 Good, application-related testing
5 x Outer diameter
5 x Outer diameter 10 x Outer diameter

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No. of torsion cycles

2 Mio.

Torsion stress Torsion speed ± 30 °/m 35 cycles/min

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