

M12 female 0° A-cod. with cable shielded

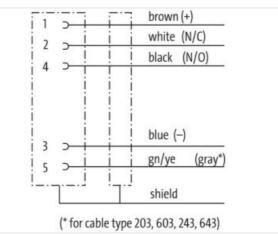
PUR 5x0.34 shielded bk UL/CSA+drag ch. 80m

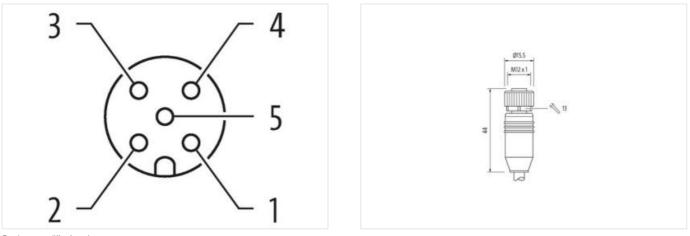
M12, 5-pole Female straight shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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80 m

0,6 Nm



Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	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	4048879852807
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
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	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Gender	female
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	
Contour for corrugated hose	without
Mechanical data Material data	
	Nickeled
Coating locking Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
	inserted exerved Shaking protection
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	



Product standard

DIN EN 61076-2-101 (M12)

Installation Cable		
Cable identification	643	
Cable Type	3	
Jacket Color	black	
Type of Certificate	cURus	
Amount stranding	1	
Stranding	5 wires around Core filler twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	80 %	
Banding	Fleece, Foil	
Filler	yes	
wire arrangement	brown, black, blue, white, gray	
No. of bending cycles (C-track)	5 Mio. @ 25 °C	
Cable weigth	57,2 g/m	
Material jacket	PUR	
Shore hardness jacket	90 ± 5 Shore A	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Outer-diameter (jacket)	5,6 mm	
Tolerance outer diameter (sheath)	±5%	
Material wire insulation	PP	
Amount wires	5	
Outer diameter insulation	1,25 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	70 ± 5 Shore D	
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-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	
Traversing distance (C-track)	5 m @ 25 °C horizontal	
Current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	4,5 A	
Electrical resistance line constant wire	57 Ω/km @ 20 °C	
Nominal voltage power AC max.	300 V	
AC withstand voltage power (wire - shield)	2 kV @ 60 s	
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s	
AC withstand voltage power (wire - wire)	2 kV @ 60 s	
Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation	
UV resistance	DIN EN ISO 4892-2 A	
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	
Oil resistance	DIN EN 60811-404 Good, application-related testing	
Bending radius (fixed)	5 x Outer diameter	
Bending radius (dynamic)	10 x Outer diameter	
No. of torsion cycles	2 Mio.	
Torsion speed	35 cycles/min	
Torsion stress	± 30 °/m	
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