

M12 female 90° A-cod. with cable shielded

PUR 5x0.34 shielded bk UL/CSA+drag ch. 20m

Female 90° M12, 5-pole shielded

with cable sleeves

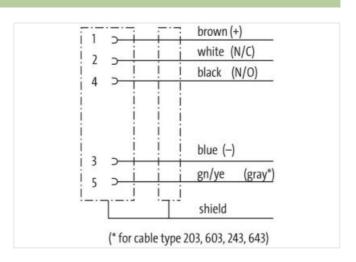
Plastic housings with good resistance against chemicals and oils.

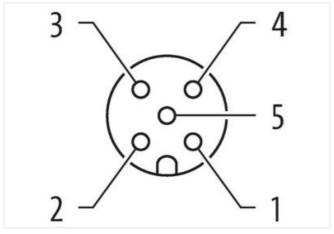
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

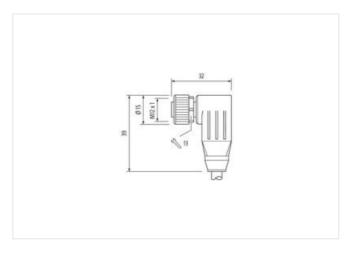
Link to Product

Illustration









Product may differ from Image













Cable length

20 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-18



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
	27279218
ECLASS-6.0 ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-8.0 ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	
ECLASS-11.1 ECLASS-12.0	27060311 27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879544375
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
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
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	
Contour for corrugated hose	without
·	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	



stay connected

Environmental characteristics Climatic Operating temperature min.	Mounting method	inserted, screwed, Shaking protection	
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. Contormity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable identification 643 Cable Type 3 Cable Type 3 Cable Type 3 Cable Certificate cURus Amount stranding 1 Swires around Core filler twisted Cable shielding (type) cooper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weight 57.2 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 5.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,24 mm Material conductor wire Stranded copper wire, bare	Environmental characteristics Climatic		
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. 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 \$43 Cable Type 3 Jacket Color black Type of Certificate CURUs Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shielding (type) cooper braid, linned Cable shielding (type) cooper braid, linned Cable shielding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, black, blue, white, gray Cable weight 57,2 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Amount wires 5 Outer-diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter (sheath) 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameters wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,26 mm Outer diameters wire insulation 1,26 mm Outer diameter swire insulation 1,26 mm Outer diameter swire insulation 1,26 mm Outer diameter insulation 1,26 mm Outer diameter insulation 1,26 mm Outer diameter swire insulation 1,26 mm Outer diameter insulation 1,26 mm Outer diameter insulation 1,26 mm Outer diameter folerance core insulation 1,26 mm Outer diameter insulation 1,26 mm Outer diameter folerance wire insulation 1,26 mm Outer diameter folerance wire insulation 1,26 mm	Operating temperature min.	-25 °C	
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Conductor type (wire) strand class 6	Conductor type (wire)	strand class 6	
Traversing distance (C-track) 5 m @ 25 °C horizontal	**		
Nominal voltage AC max. 300 V			
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		· · · · · · · · · · · · · · · · · · ·	
AC withstand voltage (wire - wire) 2 kV @ 60 s	AC withstand voltage (wire - wire)		
Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s	Power frequency withstand voltage (wire -		
AC withstand voltage (wire - shield) 2 kV @ 60 s	AC withstand voltage (wire - shield)	2 kV @ 60 s	
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
Operating temperature min. (dynamic) -25 °C	Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	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
Travel speed (C-track)	5 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min