

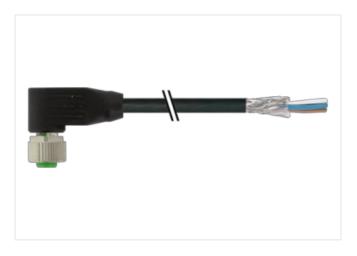
M12 female 90° A-cod. with cable shielded

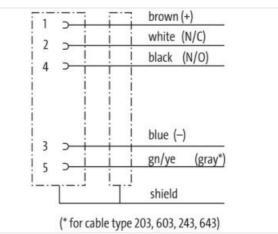
PUR 5x0.34 shielded bk UL/CSA+drag ch. 5m

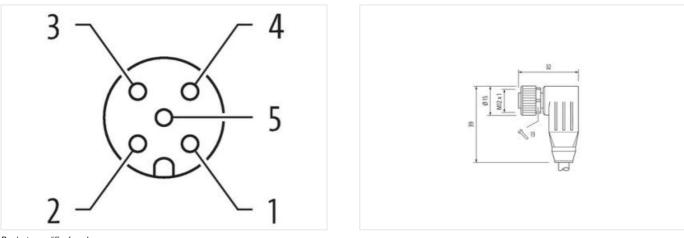
Female 90° M12, 5-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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5 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	Α
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	
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	4048879640091
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
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	

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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
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	642
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, green-yellow
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	
Amount strands (wire)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 42
Diameter of single wires	
	42
Conductor crosssection (wire)	42 0,1 mm
Conductor crosssection (wire) Material conductor wire	42 0,1 mm 0,34 mm ²
Conductor crosssection (wire) Material conductor wire Conductor type (wire)	42 0,1 mm 0,34 mm ² Stranded copper wire, bare
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track)	42 0,1 mm 0,34 mm ² Stranded copper wire, bare strand class 6
Diameter of single wires Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard)	42 0,1 mm 0,34 mm ² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard)	42 0,1 mm 0,34 mm ² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max.	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire -	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket)	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield)	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s
Conductor crosssection (wire) Material conductor wire Conductor type (wire) Traversing distance (C-track) Nominal voltage AC max. Current load capacity (standard) Current load capacity min. wire Electrical resistance line constant wire AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) Min. operating temperature (static)	42 0,1 mm 0,34 mm² Stranded copper wire, bare strand class 6 5 m @ 25 °C horizontal 300 V to DIN VDE 0298-4 4,5 A 57 Ω/km @ 20 °C 2 kV @ 60 s 2 kV @ 60 s -40 °C

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UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
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

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