

## M12 female 90° A-cod. with cable shielded

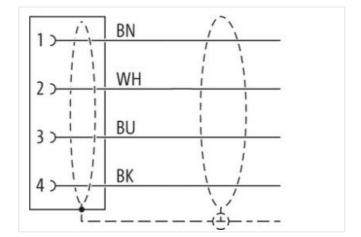
PUR 4x0.34 shielded bk UL/CSA+drag ch. 42m

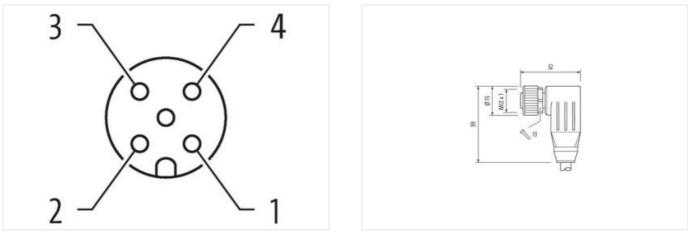
Female 90° M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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42 m

0,6 Nm



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879598521
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	
Mounting set	M12 x 1
5	
Device protection   Electrical	
Device protection   Electrical	inserted, screwed
-	inserted, screwed
Device protection   Electrical Additional condition protection degree	
Device protection   Electrical           Additional condition protection degree           Pollution Degree	3
Device protection   Electrical Additional condition protection degree Pollution Degree Rated surge voltage	3
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data	3
Device protection   Electrical Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	3 1,5 kV I
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking	3 1,5 kV I Nickeled
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting	3 1,5 kV I Nickeled nickel plated
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material	3 1,5 kV I Nickeled nickel plated Zinc die-casting
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection	3 1,5 kV I Nickeled nickel plated Zinc die-casting
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting -25 °C
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting -25 °C 85 °C
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting -25 °C 85 °C
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Important installation notes	3 1,5 kV 1 Nickeled nickel plated Zinc die-casting Zinc die-casting -25 °C 85 °C depending on cable quality
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Important installation notes         Note on strain relief	3         1,5 kV         I         Nickeled         nickel plated         Zinc die-casting         Zinc die-casting         inserted, screwed, Shaking protection         -25 °C         85 °C         depending on cable quality         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
Device protection   Electrical         Additional condition protection degree         Pollution Degree         Rated surge voltage         Material group (IEC 60664-1)         Mechanical data   Material data         Coating locking         Coating of fitting         Locking material         Material screw connection         Mechanical data   Mounting data         Mounting method         Environmental characteristics   Climatic         Operating temperature min.         Operating temperature max.         Additional condition temperature range         Important installation notes         Note on strain relief         Note on bending radius	3         1,5 kV         I         Nickeled         nickel plated         Zinc die-casting         Zinc die-casting         inserted, screwed, Shaking protection         -25 °C         85 °C         depending on cable quality         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
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Cable identification 641 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 50,6 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) 5,3 mm Tolerance outer diameter (sheath) ±5% Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ±5% 70 ± 5 Shore D Shore hardness wire insulation Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 0,1 mm Diameter of single wires Conductor crosssection (wire) 0,34 mm<sup>2</sup> Material conductor wire Stranded copper wire, bare 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 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire -2 kV @ 60 s iacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 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 IEC 60332-2-2 | UL 1581 § 1090 | 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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