

## M12 female 0° A-cod. with cable shielded

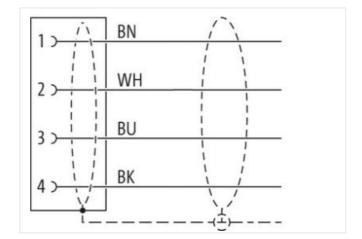
PVC 4x0.34 shielded bk UL/CSA 20m

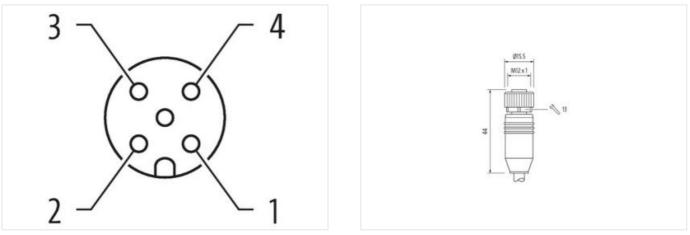
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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20 m

0,6 Nm



amily construction form hread Coding Material Vidth across flats Degree of protection (EN IEC 60529) Commercial data CLASS-6.0 CLASS-6.1 CLASS-6.1 CLASS-7.0 CLASS-7.0 CLASS-8.0 CLASS-8.0 CLASS-9.0 CLASS-10.1 CLASS-11.1 CLASS-12.0 CLASS-12.0	M12 M12 x 1 A PUR SW13 IP65, IP66K, IP67 27279218 27279218 27279218 27279218 27279218
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CLASS-11.1 CLASS-12.0	27060311
CLASS-12.0	27060311
	27060311
	27060311
TIM-5.0	EC001855
ustoms tariff number	85444290
TIN	4048879581301
ackaging 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
	77
Installation   Connection	
lounting set	M12 x 1
Device protection   Electrical	
dditional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Aterial group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
ocking material	Zinc die-casting
laterial screw connection	Zinc die-casting
Mechanical data   Mounting data	
lounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	-25 °C 85 °C
dditional condition temperature range	depending on cable quality
Important installation notes	
lote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
lote 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	

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wire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable identification179Jacket ColorgreenType of CertificatecURusAmount stranding2Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints with Filler twistedBandingFleeceFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigth60,5 g/mMaterial jacketPVCShore hardness jacket92 ± 3 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)6,1 mmOuter diameter (jacket)55 ± 5 Shore DMaterial jacketPPAmount wires4Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation55 ± 5 Shore DIngredient freess wire insulation55 ± 5 Shore DIngredient freess wire insulation55 ± 5 Shore DIngredient freess wire insulation± 5 %Shore hardness wire insulation± 5 %Shore hardness wire insulation± 5 %Conductor wirecooper stranded wire, tinnedNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0296-4Current load capacity (standard)to DIN VDE 029CCurrent load capacity (standard)to DIN VDE 029C
Type of CertificatecURusAmount stranding2Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints with Filler twistedBandingFleeceFilleryeswire arrangementbrown, white, red, blue, pink, gray, yellow, greenCable weigh60.5 g/mMaterial jacketPVCShore hardness jacket92 ± 3 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter diameter (sheath) $\pm 5 \%$ Material wire insulationPPAmount vires4Outer diameter insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Material vire insulation $\pm 5 \%$ Material vire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Conductor rosseection (wire) $24 AWG$ Cornductor wirecopper stranded wire, innedNominal voltage AC max. $300 V$
Type of CertificatecURusAmount stranding2Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)2 Stranded joints with Filler twistedBandingFleeceFilleryeswire arrangementbrown, while, red, blue, pink, gray, yellow, greenCable weigth60.5 g/mMaterial jacketPVCShore hardness jacket92 ± 3 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (lacket)6.1 mmTolerance outer diameter (sheath) $\pm 5 \%$ Material wire insulationPPAmount wires4Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Shore hardness wire insulation $\pm 5 \%$ Material strands (wire)7Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation12 AWGConductor rowsection (wire)24 AWGConductor wirecopper stranded wire, linnedNominal voltage AC max.300 VCurrent load capacity (istandard)to DIN VDE 0298-4Current load capacity (istandard)to DIN VDE 0298-4Current load capacity (istandard)to DIN VDE 0298-4Characteristic impedance100 $\Omega$
Amount stranding   2     Stranding   2 wires twisted     Amount stranding (type 2)   1     Stranding (type 2)   2 Stranded joints with Filler twisted     Banding   Fleece     Filler   yes     wire arrangement   brown, white, red, blue, pink, gray, yellow, green     Cable weigth   60.5 g/m     Material jacket   PVC     Shore hardness jacket   92 ± 3 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free     Outer-diameter (jacket)   6.1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   ± 5 %     Ingredient treeness wire insulation   ± 5 %     Shore hardness wire insulation   ± 5 %     Shore hardness wire insulation   ± 5 %     Ingredient treeness wire insulation   ± 5 %
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wire arrangement     brown, white, red, blue, pink, gray, yellow, green       Cable weigth     60,5 g/m       Material jacket     PVC       Shore hardness jacket     92 ± 3 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     6,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter tolerance core insulation     1,1 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     55 ± 5 Shore D       Ingredient freeness wire insulation     55 ± 5 Shore D       Ingredient freeness wire insulation     kead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     7       Diameter of single wires     24 AWG       Conductor wire     copper stranded wire, tinned       Mominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (min. wire     3,6 A       Characteristic imp
Cable weight60.5 g/mMaterial jacketPVCShore hardness jacket92 ± 3 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-freeOuter-diameter (jacket)6,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,1 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation± 5 %Shore hardness wire insulation± 4 S%Material conductor wire24 AWGConductor crosssection (wire)24 AWGMaterial conductor wirecopper stranded wire, tinnedNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 ACharacteristic impedance100 Ω
Material jacket     PVC       Shore hardness jacket     92 ± 3 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free       Outer-diameter (jacket)     6,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,1 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     = 24 AWG       Conductor crosssection (wire)     24 AWG       Material conductor wire     copper stranded wire, tinned       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A       Characteristic impedance     100 Ω
Shore hardness jacket   92 ± 3 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free     Outer-diameter (jacket)   6,1 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter tolerance core insulation   1,1 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   55 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   7     Diameter of single wires   24 AWG     Conductor crosssection (wire)   24 AWG     Material conductor wire   copper stranded wire, tinned     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3,6 A     Characteristic impedance   100 Ω
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Conductor crosssection (wire)   24 AWG     Material conductor wire   copper stranded wire, tinned     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3,6 A     Characteristic impedance   100 Ω
Material conductor wire copper stranded wire, tinned   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 3,6 A   Characteristic impedance 100 Ω
Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 3,6 A   Characteristic impedance 100 Ω
Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 3,6 A   Characteristic impedance 100 Ω
Current load capacity min. wire 3,6 A   Characteristic impedance 100 Ω
Characteristic impedance 100 Ω
Electrical resistance line constant wire 87 Ω/km @ 20 °C
AC withstand voltage (wire - wire) 0,5 kV @ 60 s
Electric capacitance 49000 pF/km
Power frequency withstand voltage (wire - 0,5 kV @ 60 s
Min. operating temperature (static) -40 °C
Max. operating temperature (fixed) 80 °C
Operating temperature min. (dynamic) -5 °C
Operating temperature max. (dynamic) 70 °C
Flame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
chemical resistance Good, application-related testing
Gasoline resistance Good, application-related testing
Oil resistance Good, application-related testing   DIN EN 60811-404
Bending radius (installation) x Outer diameter
Bending radius (fixed) 7 x Outer diameter
Bending radius (dynamic) 12 x Outer diameter

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