

M12 female 90° A-cod. with cable shielded

PVC 4x0.34 shielded gy UL/CSA 35m

Female 90° M12, 4-pole shielded

with cable sleeves

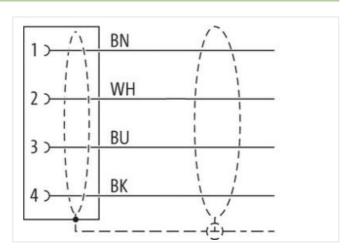
Plastic housings with good resistance against chemicals and oils.

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

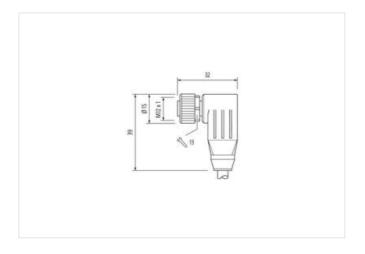
Link to Product

Illustration









Product may differ from Image













Cable length

35 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: 2024-05-03



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
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	4048879757829
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	
	M12 x 1
Mounting set	MIZXI
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
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	
	DIN EN 61076 2 101 (M12)
Product standard	DIN EN 61076-2-101 (M12)

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: 2024-05-03



Cable Type 1 Jacket Color gray 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 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 45 ± 5 Shore D
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 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
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 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation ± 5 %
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 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation ± 5 %
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Cable shielding (coverage) 80 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
wire arrangement brown, black, blue, white Cable weigth 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Cable weigth 58,3 g/m Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Material jacket PVC Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Freedom from ingredients (jacket) Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 %
Outer diameter tolerance core insulation ± 5 %
Shore hardness wire insulation 45 ± 5 Shore D
Material properties wire insulation good machinability
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire) 19
Diameter of single wires 0,15 mm
Conductor crosssection (wire) 0,34 mm ²
Material conductor wire Stranded copper wire, bare
Conductor type (wire) Strand class 5
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 - jacket) 2 kV @ 60 s
AC withstand voltage (wire - shield) 2 kV @ 60 s
Min. operating temperature (static) -30 °C
Max. operating temperature (fixed) 80 °C
Operating temperature min. (dynamic) -5 °C
Operating temperature max. (dynamic) 80 °C
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) 10 x Outer diameter