

M12 female 0° A-cod. with cable shielded

PUR 4x0.34 shielded bk UL/CSA+drag ch. 10m

Female straight M12, 4-pole shielded

with cable sleeves

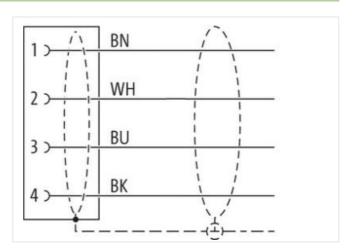
Plastic housings with good resistance against chemicals and oils.

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

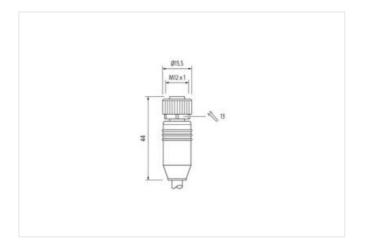
Link to Product

Illustration









Product may differ from Image













Cable length

10 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

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Mounting method inserted, screwed Family construction form M12 M12 x 1 Thread Coding Α Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 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 4048879409193 Packaging unit Electrical data | Supply Operating voltage AC max. 60 V 60 V Operating voltage DC max. 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 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 Zinc die-casting Locking material Material screw connection Zinc die-casting Mechanical data | Mounting data inserted, screwed, Shaking protection Mounting method Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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 Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12)

Installation | Cable

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stay connected

wire arrangement	brown, black, blue, white
Cable identification	641
Cable Type	3
Cable Type	
Jacket Color Type of Certificate	black 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 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
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)	-40 °C
	80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed)	-25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic)	-25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-25 °C 80 °C / 90 °C @ 10000 h Operation
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C 5 m @ 25 °C horizontal
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C 5 m @ 25 °C horizontal 3,3 m/s @ 25 °C
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track) Travel speed (C-track) No. of torsion cycles	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C 5 m @ 25 °C horizontal 3,3 m/s @ 25 °C 2 Mio.
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (fixed) Bending radius (dynamic) No. of bending cycles (C-track) Traversing distance (C-track)	-25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing 5 x Outer diameter 10 x Outer diameter 5 Mio. @ 25 °C 5 m @ 25 °C horizontal 3,3 m/s @ 25 °C