

M12 female 0° A-cod. with cable shielded

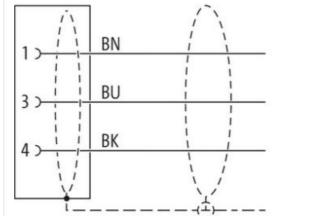
PUR 3x0.34 shielded bk UL/CSA+drag ch. 60m

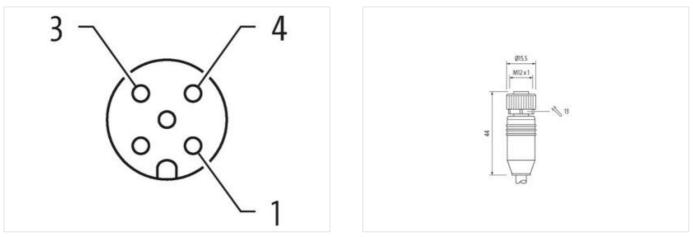
Female straight M12, 3-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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60 m

0,6 Nm

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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-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	4048879676182
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
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 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 Climation	•
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	640
Cable Type	3
Jacket Color	black

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Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
wire arrangement	brown, black, blue
No. of bending cycles (C-track)	5 Mio. @ 25 °C
Cable weigth	44 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 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PP
Amount wires	3
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 mm ²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C horizontal
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Nominal voltage power AC max.	300 V
AC withstand voltage power (wire - shield)	2 kV @ 60 s
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
	2 kV @ 60 s -40 °C
AC withstand voltage power (wire - wire)	-
AC withstand voltage power (wire - wire) Min. operating temperature (static)	-40 °C
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed)	-40 °C 80 °C / 90 °C @ 10000 h Operation
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing Good, application-related testing
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Gasoline resistance Oil resistance	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Oil resistance Oil resistance Bending radius (fixed)	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing Good, application-related testing Good, application-related testing Good, application-related testing S x Outer diameter
AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance Flame resistance chemical resistance Oil resistance Oil resistance Bending radius (fixed) Bending radius (dynamic)	-40 °C 80 °C / 90 °C @ 10000 h Operation -25 °C 80 °C / 90 °C @ 10000 h Operation DIN EN ISO 4892-2 A UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Good, application-related testing Good, application-related testing Good, application-related testing DIN EN 60811-404 5 x Outer diameter 10 x Outer diameter

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