

M12 female 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+robot+drag ch. 1.5m

Female straight M12, 4-pole

with cable sleeves

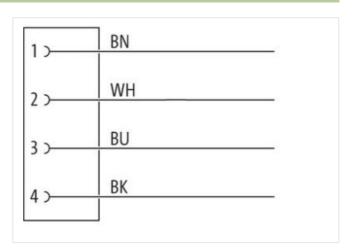
Plastic housings with good resistance against chemicals and oils.

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

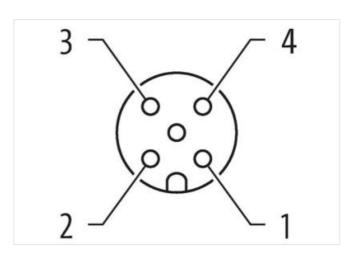
Link to Product

Illustration









Product may differ from Image













Cable length

1,5 m

Side 1

Tightening torque 0,6 Nm



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
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	4048879212014
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 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	2,5 kV
Material group (IEC 60664-1)	T T T T T T T T T T T T T T T T T T T
Mechanical data Material data	
Coating locking	safe-cover coated
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	
Product standard	DIN EN 61076-2-101 (M12)
r roundt 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: 2024-05-08



stay connected

Jacket Color black Colfricate	Installation Cable	
Jacket Color	Cable identification	654
Type of Certificate cURus Amount stranding 1 1	Cable Type	5
Amount stranding 1 Stranding 4 wires twisted 4 wires twisted 5 mm of 25 °C horizontal 5 mm of 25 °C horizontal 6 mm of 25 °C horizontal 7 mm of 25 °C horizontal 8 mm of 25 °C horizontal 9 mm of 25 °		black
Stranding	Type of Certificate	
Stranding	Amount stranding	1
wire arrangement brown, black, blue, white Traversing distance (C-track) S m @ 25 °C horizontal Cable weigh 36,3 m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.7 mm Tolerance outer diameter (heath) 2.5 % Ametrial wire insulation PP Amount wires 4 Courter diameter insulation PP Amount wires 4 Courter diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter of single wire 0,1 mm Outer of single wire 0,1 mm Outer of single wire 0,1 mm Outer of single wire 0,1 mm Material conductor wire 1.25 mm Stranded copper wire, bare Conductor or Seasoston (wire) 0,34 mm² Material conductor wire 1.25 mm Stranded copper wire, bare Conductor or Seasoston (wire) 1.25 mm Outer of load capacity (standard) 1.25 mm Outer of load capacity (standard) 1.25 mm Outer of load capacity (standard) 1.25 mm Outer of load capacity wire wire 1.25 kW @ 60 s Current load capacity withstand voltage (wire - wire) 2.5 kW @ 60 s Min. operating temperature (ked) 0.0 Mm @ 20 °C Operating temperature max. (dynamic) 2.5 °C Operating temperature max. (dynamic) 1.25 °C Oli ve diameter 1.25 °C Ood. application-related testing Din En 60811-404 Bending radius (fixed) 5 × Outer diameter Travel speed (C+track) 1.0 Min. @ 25 °C No. of torsion cycles 1.1Min. Torsion stross 4.300°C	Stranding	4 wires twisted
Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 36,3 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter ore insulation 1,25 mm Outer diameter insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 7,4 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diame	wire arrangement	brown, black, blue, white
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from Ingredients (jacket) 4,7 mm Tolerance outer diameter (jacket) 4,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter Insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1,6 mm Ingredient freeness wire insulation 1,1 mm Ingredient freeness wire insulation 1,4 ± 3 Shore D Ingredient freeness wire insulation 1,4 ± 3 Shore D Ingredient freeness wire insulation 1,4 ± 3 Shore D Ingredient freeness wire insulation 7,4 ± 3 Shore D Ingredient freeness wire insulation 1,1 mm Conductor vive 0,1 mm Conductor vive (wire) 5 Stranded copper wire, bare Conductor vive (wire) 5 strand class 6 Nominal vollage AC max. 300 V <td>Traversing distance (C-track)</td> <td>5 m @ 25 °C horizontal</td>	Traversing distance (C-track)	5 m @ 25 °C horizontal
Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 4,7 mm Tolerance outer diameter (jacket) 4,7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 74 ± 3 Shore D Ingredient freeness wire insulation 74 ± 3 Shore D Ingredient freeness wire insulation 1,25 mm Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor typs (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity (standard) 60 Q/km @ 20 °C <td< td=""><td>Cable weigth</td><td></td></td<>	Cable weigth	
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Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) OPERATURE MAX. (dynamic) OPER	Power frequency withstand voltage (wire - jacket)	
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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 Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 1 Mio. Torsion stress ± 360 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 360 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min