

## M12 male 0° A-cod. with cable

PUR 4x0.34 ye UL/CSA+drag ch. 5m

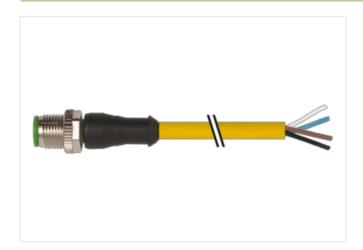
Male straight M12, 4-pole with cable sleeves

Plastic housings with good resistance against chemicals and oils.

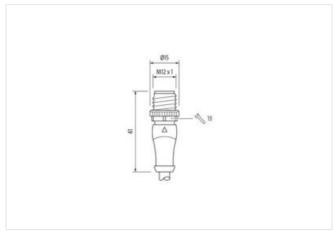
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

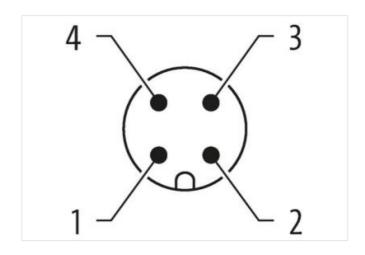
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

5 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: 2024-06-26



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	4048879218603
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	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	<del>-</del> `
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)

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stay connected

wire arrangement brown, black, blue, white Cable identification 034 Cable Type 3 Jacket Color yellow Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 36,3 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 90±8 Shore hardness jacket 90±8 Shore hardness jacket 9.4 5 mm Tolerance outer diameter (sacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 70±5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter freeness wire insulation 10±6 Shore D Ingredient freeness wire insulation 10±7 Shore D Ingredient freeness wire insulation 10±6 Sho	Installation   Cable	
Cable Interfaction         034           Cable Type         3           Jacket Color         yellow           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         36,3 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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 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 crossection (wire)         0,34 mm²           Material conductor wire         S Tra	wire arrangement	brown, black, blue, white
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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)       2,5 kV @ 60 s	· · · · · · · · · · · · · · · · · · ·	0.34 mm <sup>2</sup>
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)       2,5 kV @ 60 s	· ,	
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AC withstand voltage (wire - wire) 2,5 kV @ 60 s	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire -	Power frequency withstand voltage (wire -	
jacket) 2,5 kV @ 60 s		2,5 KV @ 60 S
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic) -25 °C	Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing
Gasoline resistance Good, application-related testing	Gasoline resistance	Good, application-related testing
Oil resistance Good, application-related testing   DIN EN 60811-404	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed) 5 x Outer diameter	Bending radius (fixed)	
Bending radius (dynamic) 10 x Outer diameter	Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track) 10 Mio. @ 25 °C	No. of bending cycles (C-track)	-
Traversing distance (C-track) 10 m @ 25 °C   horizontal	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track) 3 m/s @ 25 °C	Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m
Torsion speed 35 cycles/min	Torsion speed	35 cycles/min