

## M12 male 0° / M12 female 90° A-cod.

PUR 3x0.34 bk UL/CSA+drag ch. 0.4m

BU

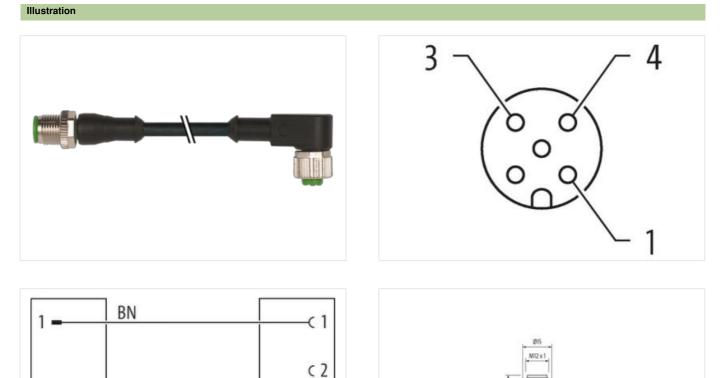
BK

3

4

Male straight – female 90° M12 – M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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

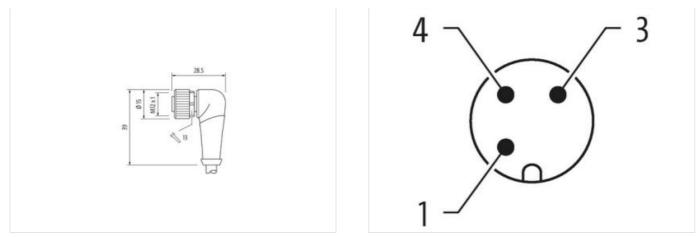


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Product may differ from Image



Cable length	0,4 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
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-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	4048879886000
Packaging unit	1

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## Electrical data | Supply

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)	
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	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	
	633
Cable Type	633 3
Cable Type Jacket Color	
	3
Jacket Color	3 black
Jacket Color Type of Certificate	3 black cURus
Jacket Color Type of Certificate Amount stranding	3 black cURus 1
Jacket Color Type of Certificate Amount stranding Stranding	3   black   cURus   1   3 wires twisted
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement	3     black     cURus     1     3 wires twisted     brown, black, blue
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth	3 black cURus 1 3 wires twisted brown, black, blue 29,7 g/m
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free     4,1 mm     ± 5 %
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm
Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation	3     black     cURus     1     3 wires twisted     brown, black, blue     29,7 g/m     PUR     90 ± 5 Shore A     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     4,1 mm     ± 5 %     PP     3     1,25 mm     ± 5 %

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Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
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
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
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	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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