

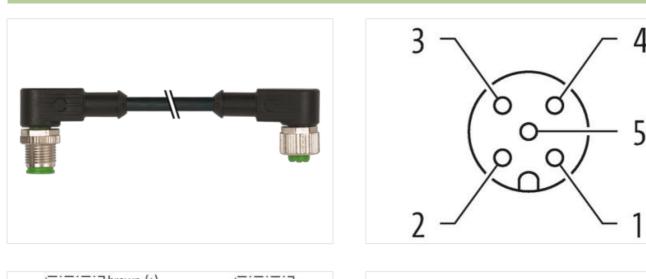
## M12 male 90° / M12 female 90° A-cod.

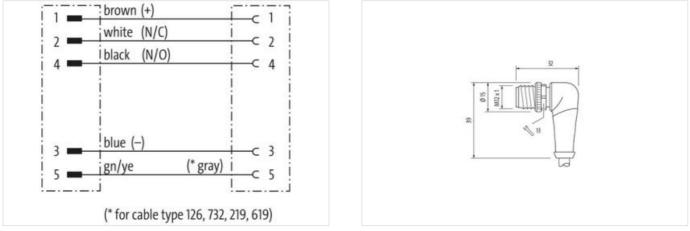
PUR 5x0.34 bk UL/CSA+robot+drag ch. 0.3m

Male 90° – female 90° M12 – M12, 5-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

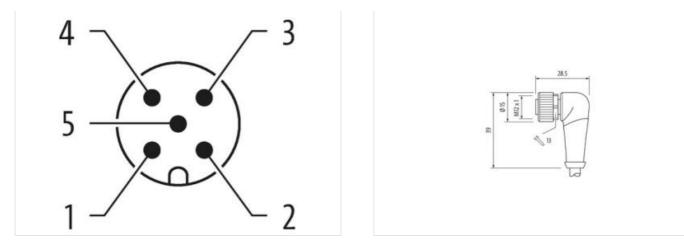
Illustration





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Product may differ from Image



Cable length	0,3 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 Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	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)	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	4048879172028
Packaging unit	1

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## Electrical data | Supply

Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 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
Material group (IEC 60664-1)	
Mechanical data   Material data	
•	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Locking material	Zinc die-casting 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.
Installation   Cable	
wire arrangement	brown, black, blue, white, green-yellow
Cable identification	655
Cable Type	5
lacket Color	
	black
Type of Certificate	black cURus
Гуре of Certificate Amount stranding Stranding	
Amount stranding Stranding	cURus 1
Amount stranding Stranding Filler	cURus 1 5 wires around Core filler twisted
Amount stranding Stranding Filler vire arrangement	cURus       1       5 wires around Core filler twisted       yes
Amount stranding Stranding Filler vire arrangement Cable weigth	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow
Amount stranding Stranding Filler vire arrangement Cable weigth Material jacket	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m
Amount stranding Stranding Filler vire arrangement Cable weigth Material jacket Shore hardness jacket	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR
Amount stranding Stranding Filler vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D
Amount stranding Stranding Filler vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket)	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount stranding Stra	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm
Amount stranding Stra	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free         5 mm         ± 5 %
Amount stranding Stranding Stranding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         PP
Amount stranding Stranding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         PP         5
Amount stranding	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         PP         5         1,25 mm
Amount stranding Stranding Filler Vire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         PP         5         1,25 mm         ± 5 %
Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Folerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation Shore hardness wire insulation	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         PP         5         1,25 mm         ± 5 %         74 ± 3 Shore D
Amount stranding Stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Duter-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Duter diameter insulation Duter diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation	cURus         1         5 wires around Core filler twisted         yes         brown, black, blue, white, green-yellow         41,8 g/m         PUR         58 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         5 mm         ± 5 %         1,25 mm         ± 5 %         74 ± 3 Shore D         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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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	4,5 A
Electrical resistance line constant wire	60 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	IEC 60332-2-2   UL 1581 § 1100 FT2   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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio.
Torsion stress	± 360 °/m
Torsion speed	35 cycles/min

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