

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

PUR 3x0.34 bk UL/CSA+drag ch. 1.5m

Male 90° - female 90° M12 - M12, 3-pole

bridged

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

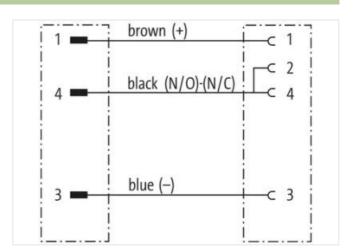
The resistance to aggressive media should be individually tested for your application. Further details on request.

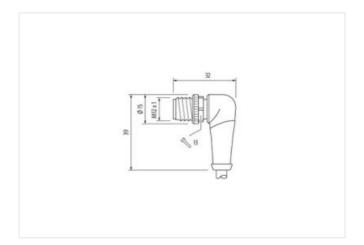
Further cable lengths on request.

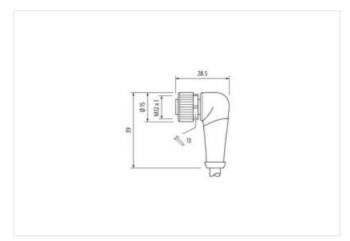
## **Link to Product**

## Illustration



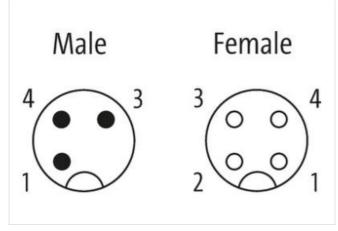








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Product may differ from Image













Fightening torque 0.6 Mm  Mounting method inserted, screwed  Aramily construction form M12  Thread M12 x 1  Unitable for corrugated tube (internal O) 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  Unitable for corrugated tube (internal O) 10 mm  Coding A  A  Miderial 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  Unitable for corrugated tube (internal O) 10 mm  Coding A  A  Miderial PUR  Width across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  CCLASS-6.0 27061801  Dustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Degreating voltage AC (UL-listed) 30 V  Deperating voltage DC max. 250 V  Deperating voltage DC (UL-listed) 30 V  Deperating voltage DC (UL-listed) 30 V  Deperating voltage PC (UL-listed) 30 V	Cable length	1,5 m
Mounting method inserted, screwed  amily construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Doding 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  amily construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Doding A  Material PUR  Witch across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Side 2  Construction form M12  Thread M12 x 1  suitable for corrugated tube (internal Ø) 10 mm  Doding A  Material PUR  Witch across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  COLASS-6.0 27061801  sustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deperating voltage AC (UL-listed) 30 V  Deperating voltage DC (UL-listed) 30 V	Side 1	
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Thread M12 x 1  Suitable for corrugated tube (internal Ø) 10 mm  Coding A  Midatrial 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 27061801  Sustoms tariff number 85444290  Poerating voltage AC max. 250 V  Deperating voltage AC (UL-listed) 30 V  Courrent operating voltage DC (UL-listed) 30 V  Courrent operating voltage DC (UL-listed) 30 V  Courrent operating voltage DC contact max. 4 AA	Mounting method	inserted, screwed
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         Framing torque           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Oxiding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data         ECLASS-6.0           Sustoms tariff number         85444290           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage PC contact max.         4 A           Outcomert operating per contact max.         4 A	Family construction form	M12
Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Side 2           Irightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Unitable for corrugated tube (internal Ø)         10 mm           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Commercial data           ECLASS-6.0         27061801           sustoms tariff number         85444290           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           Operating voltage PC contact max.         4 A	Thread	M12 x 1
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP66K, IP67           Side 2         Fightening torque           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           Unitable 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           CCLASS-6.0         27061801           Sustoms tariff number         85444290           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A	suitable for corrugated tube (internal Ø)	10 mm
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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  Midth across flats SW13  Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data  ECLASS-6.0 27061801  Sustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deparating voltage AC max. 250 V  Deparating voltage AC (UL-listed) 30 V  Deparating voltage AC (UL-listed) 30 V  Corrent operating per contact max. 4 A	Width across flats	SW13
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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 27061801  Sustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Deparating voltage AC max. 250 V  Deparating voltage DC max. 250 V  Deparating voltage AC (UL-listed) 30 V  Deparating voltage DC (UL-listed) 30 V  Corrent operating per contact max. 4 A	Side 2	
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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 27061801 Sustoms tariff number 85444290 Packaging unit 1  Electrical data   Supply  Departing voltage AC max. 250 V Departing voltage DC max. 250 V Departing voltage AC (UL-listed) 30 V Departing voltage DC (UL-listed) 30 V Current operating per contact max. 4 A	Mounting method	inserted, screwed
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 27061801 Sustoms tariff number 85444290 Packaging unit 1  Electrical data   Supply Degrating voltage AC max. 250 V Degrating voltage DC max. 250 V Degrating voltage AC (UL-listed) 30 V Degrating voltage DC (UL-listed) 30 V	Family construction form	M12
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Width across flats Degree of protection (EN IEC 60529) IP66K, IP67  Commercial data ECLASS-6.0 27061801 Sustoms tariff number Sackaging unit 1  Electrical data   Supply Deperating voltage AC max. 250 V Deperating voltage DC max. 250 V Deperating voltage AC (UL-listed) Deperating voltage DC (UL-listed) 30 V Deperating voltage DC (UL-listed) 30 V Deperating per contact max. 4 A	Coding	A
Commercial data  ECLASS-6.0 27061801  Sustoms tariff number 85444290  Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Current operating per contact max. 4 A	Material	PUR
Commercial data  ECLASS-6.0 27061801  Sustoms tariff number 85444290  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  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 4 A	Width across flats	SW13
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Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A	Operating voltage DC max.	250 V
Current operating per contact max. 4 A	Operating voltage AC (UL-listed)	30 V
	Operating voltage DC (UL-listed)	30 V
Installation   Connection	Current operating per contact max.	4 A
	Installation   Connection	

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: 2024-04-16



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Mounting set	M12 x 1
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Woulding Set	····
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
	5.17 2.17 (1017 (10172)
Installation   Cable	
Cable identification	633
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	
Stranding	3 wires twisted
wire arrangement  No. of bending cycles (C-track)	brown, black, blue  10 Mio. @ 25 °C
Cable weigth  Material jacket	29,7 g/m 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)	4,1 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 <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
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
Power frequency withstand voltage power (wire - jacket)	2,5 kV @ 60 s
AC withstand voltage power (wire - wire)	2,5 kV @ 60 s

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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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 180 °/m