

## M12 male 0° / M12 female 0° A-cod.

PUR 3x0.34 gy UL/ CSA+drag 4.5m

Male straight – female straight

M12 - M12, 3-pole

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

Plastic housings with good resistance against chemicals and oils.

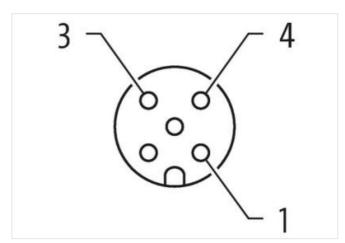
The resistance to aggressive media should be individually tested for your application. Further details on request.

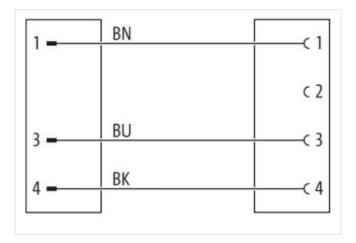
Further cable lengths on request.

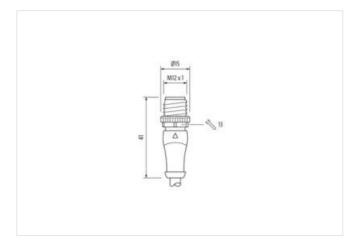
## **Link to Product**

## Illustration





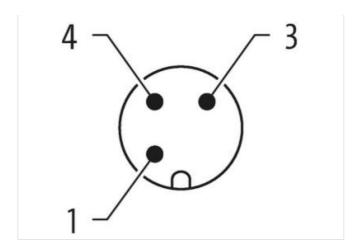






stay connected





Product may differ from Image













Cable length	4,5 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
No. of poles	3
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
No. of poles	3
Width across flats	SW13
Commercial data	
ECLASS-6.0	27061801
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



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Packaging unit  Biochical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC max. 250 V  Operating voltage AC (U. Islaed) 30 V  Operating voltage AC (U. Islaed) 30 V  Operating voltage AC (U. Islaed) 30 V  Ourrent operating per contact max. 4 A  Installation   Connection  Mounting set MIX x 1  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Balands are voltage (I. Islaed) 30 V  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Balands are voltage (I. Islaed) 30 V  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Device protection   Electrical  Additional condition protection degree (I. Islaed) 30 V  Device protection   Electrical  Microbal (I. Islaed) 30 V  Device protection   Electrical  Microbal (I. Islaed) 40 V  Device protection   Electrical  Microbal (I. Islaed) 40 V  Device protection   Electrical  Device description   Device   Electrical  Device protection   Electrical  Device p	customs tariff number	85444290
Electrical data   Supply         Operating voltage AC max.         250 V           Operating voltage BC C max.         250 V           Operating voltage AC (UL-Islaed)         30 V           Operating voltage DC (UL-Islaed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Raled sugs voltage         2,5 kV           Mortania group (IEC 8068-1)         I           Michanical data   Material data         Mcheele           Coaling of filing         nickeled           Locking material         Zinc die casting           Material group (IEC 8068-1)         Zinc die casting           Michanical data   Material data         Zinc die casting           Material group (IEC 8068-1)         Zinc die casting           Material grow connection         Zinc die casting           Material grow connection         Zinc die casting           Material (II) Material data         Zinc die casting           Material (II) Material data         Zinc die casting           Material (II) Material data         Zinc die casting           Material (III) Material data         Zin	GTIN	4065909035207
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Mounting set         M12 x 1           Device protection Electrical           Additional condition protection degree         3           Rated surge voltage         2.5 kV           Mechanical data [Material data]         I           Mechanical data [Material data]         Nickeled           Coating looking         Nickeled           Coating of fitting         nickel plated           Looking material         Zin die-casting           Mechanical data [Mounting data]         Microbanical data [Mounting data]           Mounting method         inserted, sorewed, Shaking protection           Environmental characteristics   Climatic           Operating temperature max.         25 f°C           Additional coordition temperature range         depending on cable quality           Important installation notes         You contain relief           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radiu         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Image: Conformity of the confor		
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Mechanical data   Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min. 25 °C  Operating temperature max. 85 °C  Operating temperature max. 85 °C  Operating temperature max. 85 °C  Operating 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.  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  wire arrangement brown, black, blue  Cable identification 233  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material jacket Duron ingredients (jacket) PUR  Freedom from ingredients (jacket) elad-free, cadmium-free, CFC-free, halogen-free, sillcone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) 5%  Material wire insulation PP  Amount wires 3		
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Cable identification 233  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,7 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) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Installation   Cable	
Cable identification 233  Cable Type 3  Jacket Color gray  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,7 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) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	wire arrangement	brown, black, blue
Cable Type3Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3		
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Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted wire arrangement brown, black, blue  Cable weigth 29,7 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) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3		gray
Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weigth 29,7 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) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	Type of Certificate	
wire arrangement brown, black, blue  Cable weigth 29,7 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) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Amount stranding	1
Cable weight 29,7 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) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Stranding	3 wires twisted
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) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3	wire arrangement	brown, black, blue
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	Cable weigth	29,7 g/m
Freedom from ingredients (jacket)  Outer-diameter (jacket)  4,1 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  3	Material jacket	PUR
Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3	Outer-diameter (jacket)	4,1 mm
Amount wires 3	Tolerance outer diameter (sheath)	±5%
	Material wire insulation	PP
Outer diameter insulation 1,25 mm	Amount wires	3
	Outer diameter insulation	1,25 mm

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: 2024-06-23



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
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
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min