

## M12 male 0° / M12 female 0° A-cod.

PUR 3x0.34 ye UL/CSA+drag ch. 7.5m

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.

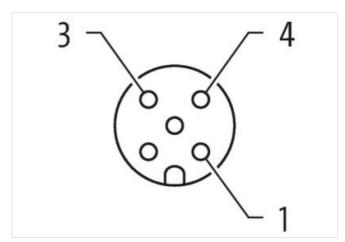
The resistance to aggressive media should be individually tested for your application. Further details on request.

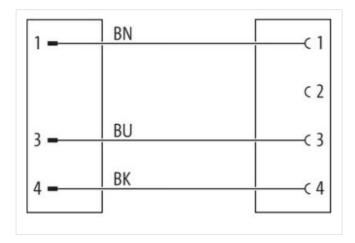
Further cable lengths on request.

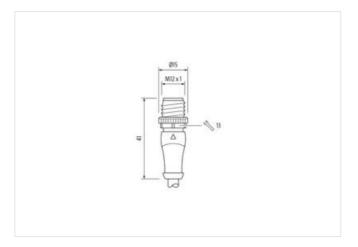
## **Link to Product**

## Illustration



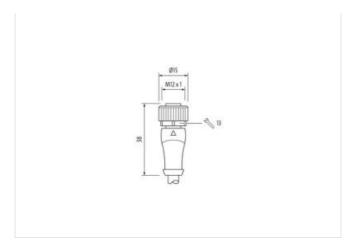


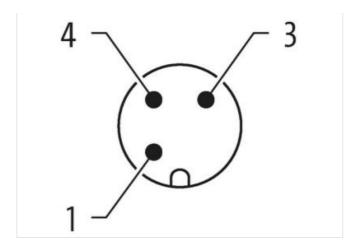






stay connected





Product may differ from Image













Cable length	7,5 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	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



stay connected

Peter   Pete	GTIN	4048879586382
Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-steed)         30 V           Operating voltage DC (UL-steed)         30 V           Operating part contact max.         4 A           Installation (Connection)         M12 x I           Mounting set         M12 x I           Pervice protection (Electrical)         V           Additional condition protection degree         inserted, screwed           Pollution Diagree         3           Read surge voltage         2.5 kW           Mariani group (EC 8068-1)         1           Michanical data Material data         Coating looking analysis           Coating of fitting         nickeled           Coating position graperature mix.         25 °C           Operating temperature mix.         25 °C	Packaging unit	1
Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-steed)         30 V           Operating voltage DC (UL-steed)         30 V           Operating part contact max.         4 A           Installation (Connection)         M12 x I           Mounting set         M12 x I           Pervice protection (Electrical)         V           Additional condition protection degree         inserted, screwed           Pollution Diagree         3           Read surge voltage         2.5 kW           Mariani group (EC 8068-1)         1           Michanical data Material data         Coating looking analysis           Coating of fitting         nickeled           Coating position graperature mix.         25 °C           Operating temperature mix.         25 °C	Electrical data   Supply	
Operating voltage DC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Outrent operating per context max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Perice protection   Electrical         Additional condition protection degree           Rated surge voltage         1 x 1           Machinal group (IEC 90064-1)         1           Mechanical data   Material data         2 x 5 x V           Machinal group (IEC 90064-1)         1           Mechanical data   Material data         2 x 5 x V           Machinal and Material screw one-ction         Nickeled           Coating of fitting         nickel plated           Locking material         Zino der-casting           Machinal and Isa   Mounting data         Zino der-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Circle derection in temperature max.           Operating temperature max.         85 °C           Operating temperature max.         85 °C           Note on bending radiu         Problect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.		250 V
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Current operating per contact max. 4 A Installation   Connection   Mounting set   M12 x 1   Device protection   Electrical   Additional condition protection degree   Inserted, screwed		
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Pealution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60694-1) 1  Mechanical data   Material data Coating of fitting nicklel plated Locking material 2 Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min. 25 °C Operating temperature min. 35 °C Operating temperature max. 85 °C	Additional condition protection degree	inserted, screwed
Rated surge voltage 2,5 kV  Malerial group (IEC 80864-1)  Coating locking Material data   Material data    Coating locking of fitting nickel plated    Coating locking material    Material screw connection   Zinc die-casting    Mounting method   inserted, screwed, Shaking protection    Environmental characteristics   Climatic    Porvating temperature min.   -25 °C    Operating temperature min.   -25 °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    Installation	<u> </u>	3
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Nickeled Coating of Riting nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature min.  -25 °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.  Attention: Observer be permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Product standard Din No 61076 2-101 (M12)  Installation   Cable  wire arrangement brown, black, blue Cable identification 033  Cable identification 043  Sirranding 1  Sirranding 1  Sirranding 3 wires twisted  wire arrangement brown, black, blue  Cable weight 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 4,1 mm  Tolerance outer diameter (speath) ± 5 %  Material wire insulation PP  Anount wires 3  Outer diameter insulation 1,25 mm		2,5 kV
Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Environmental characteristics   Climatic           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ities.           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         brown, black, blue           Cable identification   Cable (activitication)   Cable (activitit		· · · · · · · · · · · · · · · · · · ·
Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material serve connection         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Environmental characteristics   Climatic         Voperating temperature min.           Operating temperature man.         45° °C           Operating temperature man.         86° °C           Additional condition temperature range         depending on cable quality           Important installation notes         Volume on bending radius           Note on strain rellef         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         DIN EN 61076-2-101 (M12)           Installation   Cable         Divariagement           Cable identification         033           Cable identification         033           Cable identification         033           Cable identification         040           Vipe of Certificate		
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Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 fies.  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 33  Cable Type 3  Jacket Color yellow  Type of Certificate cURus  Amount stranding 1  Stranding 3 wires twisted  wire arrangement brown, black, blue  Cable weigth 29,7 g/m  Material scket 9UR  Shore hardness jacket 9UR  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 1,25 mm	<u> </u>	
Mechanical data   Mounting data   Mounting method inserted, screwed, Shaking protection    Environmental characteristics   Climatic   Operating temperature min.		
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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		
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		
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm	Freedom from ingredients (jacket)	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm	Outer-diameter (jacket)	4,1 mm
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm		· · · · · · · · · · · · · · · · · · ·
Amount wires 3 Outer diameter insulation 1,25 mm	Material wire insulation	
Outer diameter insulation 1,25 mm	Amount wires	
<u> </u>	Outer diameter insulation	
	Outer diameter tolerance core insulation	± 5 %

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: 2024-06-24



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 mm²
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