

## M12 male 0° / M12 female 0° A-cod.

PUR 5x0.34 gy UL/CSA+drag ch. 5m

Male straight – female straight M12 – M12, 5-pole

A-coded

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

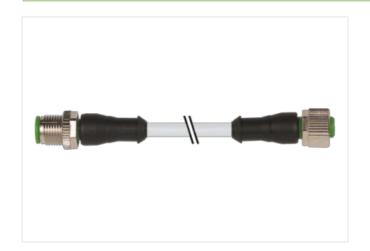
Plastic housings with good resistance against chemicals and oils.

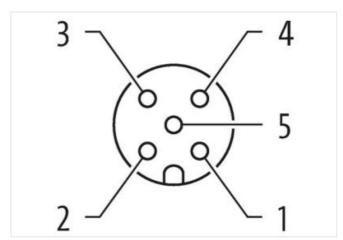
The resistance to aggressive media should be individually tested for your application. Further details on request.

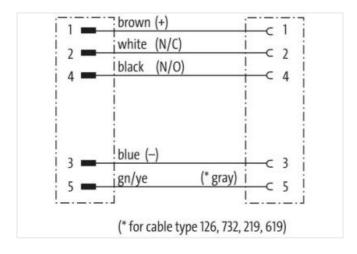
Further cable lengths on request.

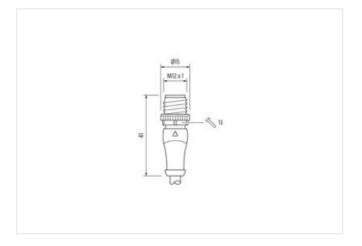
## **Link to Product**

## Illustration



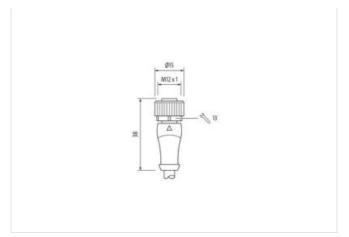


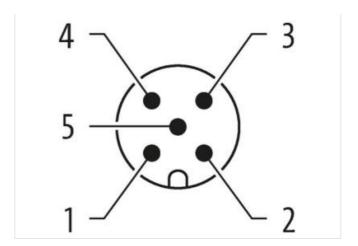






stay connected





Product may differ from Image













| Cable length                              | 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             |
| Cable outlet                              | straight          |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 5                 |
| 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             |
| Cable outlet                              | straight          |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 5                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279218          |
| ECLASS-6.1                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060311          |
| ECLASS-10.1                               | 27060311          |



stay connected

| ECLASS-11.1   | 27060311   |
|---|--|
| ECLASS-12.0   | 27060311   |
| ETIM-5.0  | EC001855   |
| customs tariff number   | 85444290   |
| GTIN  | 4048879182157  |
| Packaging unit  | 1  |
| 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   |  |
|   | M12 x 1  |
| Mounting set  | MIZXI  |
| Device protection   Electrical  |  |
| Degree of protection (EN IEC 60529)   | IP65, IP67, IP66K  |
| Additional condition protection degree  | inserted, screwed  |
| Pollution Degree  | 3  |
| Rated surge voltage   | 1,5 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  |  |
| Environmental characteristics   Climatic  |  |
| Operating temperature min.  | -25 °C   |
| ·   | -25 °C<br>85 °C  |
| Operating temperature min.  |  |
| Operating temperature min.  Operating temperature max.  Additional condition temperature range  | 85 °C  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes   | 85 °C depending on cable quality   |
| Operating temperature min.  Operating temperature max.  Additional condition temperature range  | 85 °C  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  | 85 °C depending on cable quality  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  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity   | 85 °C depending on cable quality  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.  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard  | 85 °C depending on cable quality  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  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius Conformity Product standard Installation   Cable   | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification   | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type  | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235   |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color   | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235 3 gray  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate   | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235 3 gray cURus  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding  | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235 3 gray cURus 1  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding  | depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235  3  gray  cURus  1  5 wires around Core filler twisted  |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler   | depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235  3  gray  cURus  1  5 wires around Core filler twisted  yes   |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement                              | 85 °C depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235 3 gray cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow                 |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth                 | depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235  3  gray  cURus  1  5 wires around Core filler twisted  yes   |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket | depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235  3  gray  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  41,8 g/m      |
| Operating temperature min. Operating temperature max. Additional condition temperature range Important installation notes Note on strain relief Note on bending radius  Conformity Product standard Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth                 | depending on cable quality  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.  DIN EN 61076-2-101 (M12)  235  3  gray  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow  41,8 g/m  PUR |

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: 2024-05-21

Torsion speed



| Tolerance outer diameter (sheath)                 | +5%  |
|---|--|
| Material wire insulation                          | PP   |
| Amount wires                                      | 5  |
| 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                                      |
| 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          | 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                                  | IEC 60332-2-2   UL 1581 § 1090   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  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |

35 cycles/min