

## M12 male 0° / M12 female 0° A-cod.

PVC 5x0.34 bk UL/CSA 1m

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

A-coded

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

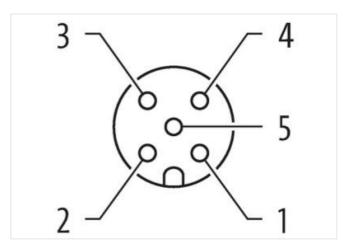
Plastic housings with good resistance against chemicals and oils.

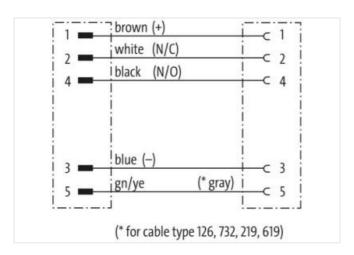
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

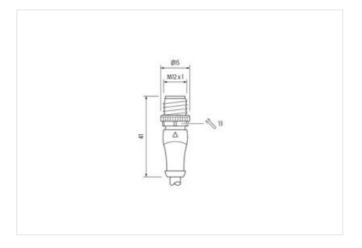
## **Link to Product**

## Illustration





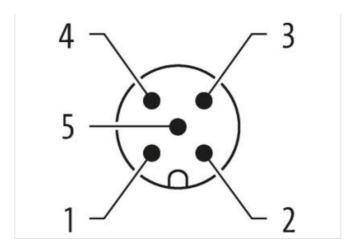






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Product may differ from Image













| Cable length                              | 1 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          |
|   |                   |



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| ECLASS-11.1   | 27060311   |
|---|--|
| ECLASS-12.0   | 27060311   |
| ETIM-5.0  | EC001855   |
| customs tariff number   | 85444290   |
| GTIN  | 4048879181952  |
| Packaging unit  | 1  |
| Electrical data   Supply  |  |
|   | 125 V  |
| Operating voltage AC max.  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   |  |
|   | M10 v. 1   |
| Mounting set  | M12 x 1  |
| 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)  | I .  |
| 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   |
| 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.  |
| Conformity  |  |
|   | endangered by excessive bending forces.  |
| Product standard  |  |
| Product standard  Installation   Cable  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  |
| Product standard  Installation   Cable  Cable identification  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615   |
| Product standard  Installation   Cable  Cable identification  Cable Type  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615   |
| Product standard  Installation   Cable  Cable identification  Cable Type  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate   | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615  1  black  cURus  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding   | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black cURus 1   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black cURus 1 5 wires around Core filler twisted  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  Filler  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black cURus 1 5 wires around Core filler twisted yes  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  Filler  wire arrangement                                | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615  1  black  cURus  1  5 wires around Core filler twisted  yes  brown, black, blue, white, green-yellow       |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  Filler  wire arrangement  Cable weigth                  | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m     |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  Filler  wire arrangement  Cable weigth  Material jacket | endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  615 1 black cURus 1 5 wires around Core filler twisted yes brown, black, blue, white, green-yellow 48,4 g/m PVC |



| Tolerance outer diameter (sheath)                 | ±5%  |
|---|--|
| Material wire insulation                          | PVC  |
| Amount wires                                      | 5  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ±5%  |
| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 19   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| 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 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 0° C   |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 0° C   |
| 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                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |