

## M12 male 0° B-cod. with cable

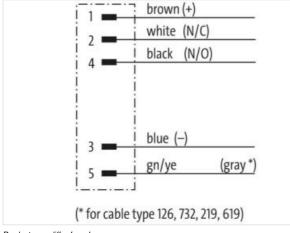
PUR 5x0.34 ye UL/CSA+drag ch. 5m

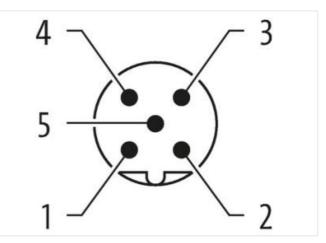
Male straight M12, 5-pole B-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



 Cable length
 5 m

 Side 1
 Tightening torque

 Tightening torque
 0,6 Nm

 The information in this Product-PDF has been compiled with the utmost care.
 Utmost care.

 Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-06

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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                                    | В   |
| Material                                  | PUR   |
| No. of poles                              | 5   |
| Width across flats                        | SW13  |
| Degree of protection (EN IEC 60529)       | IP67  |
| 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  |
| customs tariff number                     | 85444290  |
| GTIN                                      | 4048879683265   |
| Packaging unit                            | 1   |
| Electrical data   Supply                  |   |
| Operating voltage AC max.                 | 125 V   |
| Operating voltage DC max.                 | 125 V   |
| Current operating per contact max.        | 4A  |
| Installation   Connection                 |   |
|   | M12 x 1   |
| Mounting set                              |   |
| Device protection   Electrical            |   |
| 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<br>endangered by excessive bending forces. |
| Installation   Cable                      |   |
| Cable identification                      | 035   |
| Cable Type                                | 3   |

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| Type of CertificatecURusAmount stranding1Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 % | Jacket Color                             | yellow   |
|--|--|--|
| Stranding5 wires around Core filler twistedFilleryeswire arrangementbrown, black, blue, white, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %   | Type of Certificate                      | cURus  |
| Filleryeswire arrangementbrown, black, blue, white, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | Amount stranding                         | 1  |
| wire arrangementbrown, black, blue, white, green-yellowTraversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %   | Stranding                                | 5 wires around Core filler twisted                             |
| Traversing distance (C-track)10 m @ 25 °C   horizontalCable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | Filler                                   | yes  |
| Cable weigth41,8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | wire arrangement                         | brown, black, blue, white, green-yellow                        |
| Material jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | Traversing distance (C-track)            | 10 m @ 25 °C   horizontal                                      |
| Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | Cable weigth                             | 41,8 g/m   |
| Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer-diameter (jacket)       4,8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %  | Material jacket                          | PUR  |
| Outer-diameter (jacket)4,8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %  | Shore hardness jacket                    | 90 ± 5 Shore A   |
| Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %  | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %  | Outer-diameter (jacket)                  | 4,8 mm   |
| Amount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %   | Tolerance outer diameter (sheath)        | ±5%  |
| Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %   | Material wire insulation                 | РР   |
| Outer diameter tolerance core insulation ±5%   | Amount wires                             | 5  |
|  | Outer diameter insulation                | 1,25 mm  |
|  | Outer diameter tolerance core insulation | ±5%  |
| Shore hardness wire insulation 70 ± 5 Shore D  | Shore hardness wire insulation           | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   | Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire) 42   | Amount strands (wire)                    | 42   |
| Diameter of single wires 0,1 mm  | Diameter of single wires                 | 0,1 mm   |
| Conductor crosssection (wire) 0,34 mm <sup>2</sup>   | Conductor crosssection (wire)            | 0,34 mm <sup>2</sup>   |
| Material conductor wire Stranded copper wire, bare   | Material conductor wire                  | Stranded copper wire, bare                                     |
| Conductor type (wire) strand class 6   | Conductor type (wire)                    | strand class 6   |
| Nominal voltage AC max. 300 V  | Nominal voltage AC max.                  | 300 V  |
| Current load capacity (standard) to DIN VDE 0298-4   | Current load capacity (standard)         | to DIN VDE 0298-4  |
| Current load capacity min. wire 4,5 A  | Current load capacity min. wire          | 4,5 A  |
| Electrical resistance line constant wire 57 Ω/km @ 20 °C   | Electrical resistance line constant wire | 57 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire) 2,5 kV @ 60 s   | AC withstand voltage (wire - wire)       | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - 2,5 kV @ 60 s  |  | 2,5 kV @ 60 s  |
| Min. operating temperature (static) -40 °C   | Min. operating temperature (static)      | -40 °C   |
| Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h Operation  | Max. operating temperature (fixed)       | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic) -25 °C  | Operating temperature min. (dynamic)     | -25 °C   |
| Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation   | Operating temperature max. (dynamic)     | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090   | Flame resistance                         | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| chemical resistance Good, application-related testing  | chemical resistance                      | Good, application-related testing                              |
| Gasoline resistance Good, application-related testing  | Gasoline resistance                      | Good, application-related testing                              |
| Oil resistance DIN EN 60811-404   Good, application-related testing  | Oil resistance                           | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)     5 x Outer diameter  | Bending radius (fixed)                   | 5 x Outer diameter   |
| Bending radius (dynamic)     10 x Outer diameter   | Bending radius (dynamic)                 | 10 x Outer diameter  |
| Travel speed (C-track) 10 Mio. @ 25 °C   | Travel speed (C-track)                   |  |
| No. of torsion cycles 2 Mio.   |  | 2 Mio.   |
| Torsion stress ± 180 °/m   |  | ± 180 °/m  |
| Torsion speed 35 cycles/min  | Torsion speed                            | 35 cycles/min  |

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