

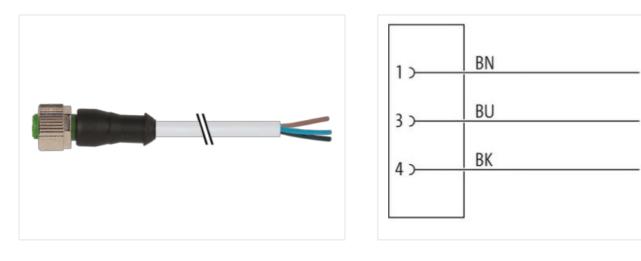
## M12 female 0° A-cod. with cable

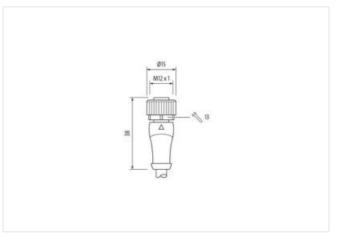
PUR 3x0.34 gy UL/CSA+robot+drag ch. 5m

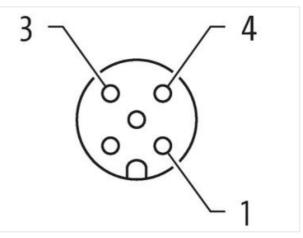
Female straight M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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5 m

0,6 Nm

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| Mounting method                                      | inserted, screwed                     |
|------------------------------------------------------|---------------------------------------|
| Family construction form                             | M12                                   |
| Thread                                               | M12 x 1                               |
| suitable for corrugated tube (internal $\emptyset$ ) | 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                                               |                                       |
| Stripping length (jacket)                            | 20 mm                                 |
| 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                              |
| ECLASS-11.1                                          | 27060311                              |
| ECLASS-12.0                                          | 27060311                              |
| ETIM-5.0                                             | EC001855                              |
| customs tariff number                                | 85444290                              |
| GTIN                                                 | 4048879213820                         |
| Packaging unit                                       | 1                                     |
| Electrical data   Supply                             |                                       |
| Operating voltage AC max.                            | 250 V                                 |
| Operating voltage DC max.                            | 250 V                                 |
| Operating voltage AC (UL-listed)                     | 30 V                                  |
| Operating voltage DC (UL-listed)                     | 30 V                                  |
| Current operating per contact max.                   | 4 A                                   |
| Installation   Connection                            |                                       |
| Stripping length (jacket)                            | 20 mm                                 |
| Mounting set                                         | M12 x 1                               |
| Device protection   Electrical                       |                                       |
| Additional condition protection degree               | inserted, screwed                     |
| Pollution Degree                                     | 3                                     |
| Rated surge voltage                                  | 2.5 kV                                |
| Material group (IEC 60664-1)                         |                                       |
| Mechanical data   Material data                      |                                       |
| Coating locking                                      | safe-cover coated                     |
| 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            |
|                                                      |                                       |

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|                                                     | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Note on bending radius                              | endangered by excessive bending forces.                                                                |
| Conformity                                          |                                                                                                        |
| Product standard                                    | DIN EN 61076-2-101 (M12)                                                                               |
| Installation   Cable                                |                                                                                                        |
| Cable identification                                | 253                                                                                                    |
| Cable Type                                          | 5                                                                                                      |
| Jacket Color                                        | gray                                                                                                   |
| Type of Certificate                                 | cUBus                                                                                                  |
| Amount stranding                                    | 1                                                                                                      |
| Stranding                                           | 3 wires twisted                                                                                        |
| wire arrangement                                    | brown, black, blue                                                                                     |
| Cable weigth                                        | 29,7 g/m                                                                                               |
| Material jacket                                     | PUR                                                                                                    |
| Shore hardness jacket                               | 58 ± 3 Shore D                                                                                         |
| Freedom from ingredients (jacket)                   | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                         |
| Outer-diameter (jacket)                             | 4,3 mm                                                                                                 |
| Tolerance outer diameter (sheath)                   | ± 5 %                                                                                                  |
| Material wire insulation                            | PP                                                                                                     |
| Amount wires                                        | 3                                                                                                      |
| Outer diameter insulation                           | 1,25 mm                                                                                                |
| Outer diameter tolerance core insulation            | ±5%                                                                                                    |
| Shore hardness wire insulation                      | 74 ± 3 Shore D                                                                                         |
| Ingredient freeness wire insulation                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                         |
| Amount strands (wire)                               | 42                                                                                                     |
|                                                     | 0.1 mm                                                                                                 |
| Diameter of single wires                            | 0,1 1111                                                                                               |
| 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)                       | 5 m @ 25 °C   horizontal                                                                               |
| 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            | 60 Ω/km @ 20 °C                                                                                        |
| AC withstand voltage (wire - wire)                  | 2,5 kV @ 60 s                                                                                          |
| Power frequency withstand voltage (wire -<br>acket) | 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                                      | DIN EN 60811-404   Good, application-related testing                                                   |
| 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                               | 1 Mio.                                                                                                 |
| Torsion stress                                      | ± 360 °/m                                                                                              |
| Torsion speed                                       | 35 cycles/min                                                                                          |

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