

## M12 female 0° A-cod. with cable shielded

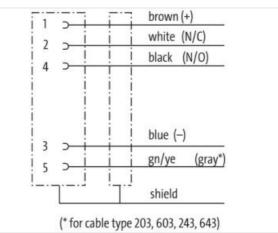
PUR 5x0.34 shielded gy UL/CSA+drag ch. 20m

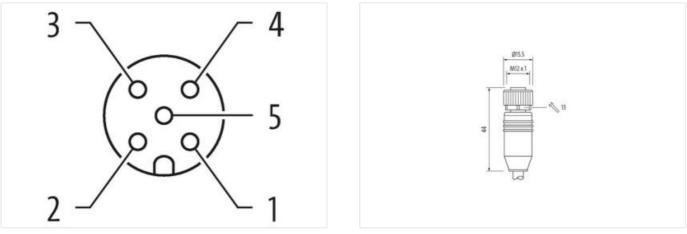
M12, 5-pole Female straight shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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20 m

0,6 Nm

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| Family construction form                 | M12                                   |
|--|---------------------------------------|
| Thread                                   | M12 x 1                               |
| Cable outlet                             | straight                              |
| Coding                                   | A                                     |
| Material                                 | PUR                                   |
| 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-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                                     | 4048879661720                         |
| Packaging unit                           | 1                                     |
| Electrical data   Supply                 |                                       |
| Operating voltage AC max.                | 60 V                                  |
| Operating voltage DC max.                | 60 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                               |
| Gender                                   | female                                |
| Device protection   Electrical           |                                       |
| Additional condition protection degree   | inserted, screwed                     |
| Pollution Degree                         | 3                                     |
| Rated surge voltage                      | 1,5 kV                                |
| Material group (IEC 60664-1)             |                                       |
| Mechanical data                          |                                       |
| Contour for corrugated hose              | without                               |
| 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.               | -25 °C<br>85 °C                       |
| Additional condition temperature range   | depending on cable quality            |
|  |                                       |
| Important installation notes             |                                       |

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| 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                                |  |
| Cable identification                                | 242  |
| Cable Type  | 3  |
| lacket Color  | gray   |
| ype of Certificate                                  | cURus  |
| Amount stranding                                    | 1  |
| Stranding   | 5 wires around Core filler twisted   |
| Cable shielding (type)                              | copper braid, tinned   |
| Cable shielding (coverage)                          | 80 %   |
| Banding   | Fleece, Foil   |
| iller   | yes  |
| vire arrangement                                    | brown, black, blue, white, green-yellow  |
| raversing distance (C-track)                        | 5 m @ 25 °C   horizontal   |
| Cable weigth  | 57,2 g/m   |
| Naterial jacket                                     | PUR  |
| Shore hardness jacket                               | 90 ± 5 Shore A   |
| reedom from ingredients (jacket)                    | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| Duter-diameter (jacket)                             | 5,6 mm   |
| olerance outer diameter (sheath)                    | ±5%  |
| Naterial wire insulation                            | PP   |
| mount wires   | 5  |
| Duter diameter insulation                           | 1,25 mm  |
| Duter diameter tolerance core insulation            | ±5%  |
| hore hardness wire insulation                       | 70 ± 5 Shore D   |
| ngredient freeness wire insulation                  | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| mount strands (wire)                                | 42   |
| Diameter of single wires                            | 0,1 mm   |
| Conductor crosssection (wire)                       | 0,34 mm <sup>2</sup>   |
| Naterial conductor wire                             | Stranded copper wire, bare   |
| Conductor type (wire)                               | strand class 6   |
| Iominal 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  |
| C withstand voltage (wire - wire)                   | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire -<br>acket) | 2 kV @ 60 s  |
| C withstand voltage (wire - shield)                 | 2 kV @ 60 s  |
| fin. operating temperature (static)                 | -40 °C   |
| fax. operating temperature (fixed)                  | 80 °C / 90 °C @ 10000 h Operation  |
| perating temperature min. (dynamic)                 | -25 °C   |
| Operating temperature max. (dynamic)                | 80 °C / 90 °C @ 10000 h Operation  |
| lame resistance                                     | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  |
| hemical resistance                                  | Good, application-related testing  |
| asoline resistance                                  | Good, application-related testing  |
| Dil 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)                              | 5 Mio. @ 25 °C   |

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No. of torsion cycles

2 Mio.

Torsion stress Torsion speed ± 30 °/m 35 cycles/min