

**M12 female 0° A-cod. with cable**

PUR 2x0.5 gy UL/CSA+drag ch. 4m

Cube67

Female straight

M12, 2-pole

A-coded

Actuator supply external

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

Further cable lengths 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.

[Link to Product](#)**Illustration**

Product may differ from Image



Cable length

4 m

| Side 1                                    |                   |
|---|-------------------|
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material contact                          | Copper alloy      |
| Material                                  | PUR               |
| No. of poles                              | 2                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |
| Side 2                                    |                   |
| Stripping length (jacket)                 | 20 mm             |
| Coating contact                           | gold plated       |
| 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                                      | 4048879197151     |
| Packaging unit                            | 1                 |
| Electrical data   Supply                  |                   |
| Operating voltage AC max.                 | 30 V              |
| Operating voltage DC max.                 | 30 V              |
| Operating voltage AC (UL-listed)          | 30 V              |
| Operating voltage DC (UL-listed)          | 30 V              |
| Current operating per contact max.        | 4 A               |
| Diagnostics                               |                   |
| Status indication LED                     | no                |
| 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                       | 0,8 kV            |
| Material group (IEC 60664-1)              | I                 |
| Mechanical data   Material data           |                   |
| Coating locking                           | Nickeled          |
| Coating of fitting                        | nickel plated     |
| Material gasket                           | FKM               |
| 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                                     |
| Conformity  |  |
| Product standard  | DIN EN 61076-2-101 (M12)                                       |
| Installation   Cable                                    |  |
| Cable identification                                    | 414  |
| Cable Type  | 3  |
| Jacket Color  | gray   |
| Type of Certificate                                     | cURus  |
| Amount stranding  | 1  |
| Stranding   | 2 wires twisted  |
| wire arrangement  | brown, blue  |
| No. of bending cycles (C-track)                         | 10 Mio. @ 25 °C  |
| Cable weight  | 30,8 g/m   |
| Material jacket   | PUR  |
| Shore hardness jacket                                   | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                                 | 4,4 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PP   |
| Amount wires  | 2  |
| Outer diameter insulation                               | 1,4 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)                                   | 28   |
| Diameter of single wires                                | 0,15 mm  |
| Conductor crosssection (wire)                           | 0,5 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                                      |
| Current load capacity (standard)                        | to DIN VDE 0298-4  |
| Current load capacity min. wire                         | 9 A  |
| Electrical resistance line constant wire                | 39 Ω/km @ 20 °C  |
| Nominal voltage power AC max.                           | 300 V  |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 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 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2            |
| 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  |
| No. of torsion cycles                                   | 2 Mio.   |

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: 2024-04-25

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|                |               |
|----------------|---------------|
| Torsion speed  | 35 cycles/min |
| Torsion stress | ± 180 °/m     |