

**M12 female 90° A-cod. with cable**

PUR 2x0.5 gy UL/CSA+drag ch. 11m

Cube67

Female 90°

M12, 2-pole

A-coded

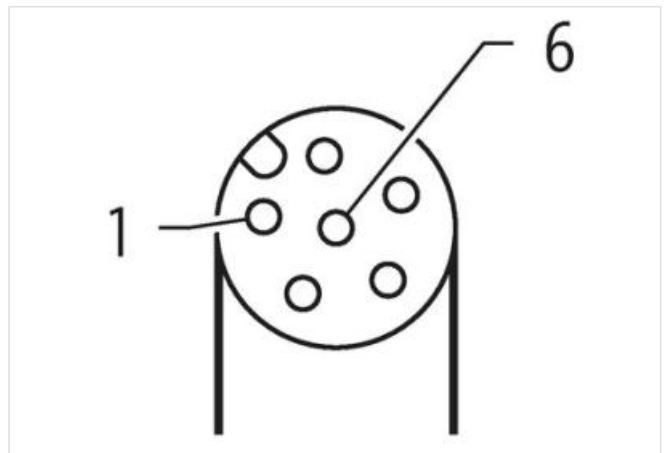
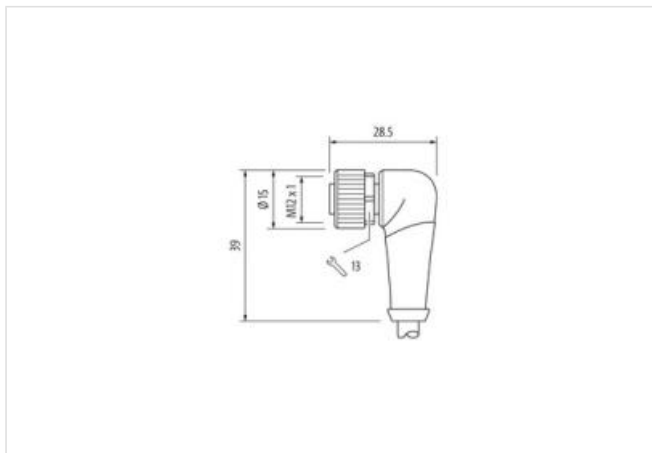
Actuator supply external

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

11 m

|                                           |                   |
|-------------------------------------------|-------------------|
| <b>Side 1</b>                             |                   |
| 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 |
| <b>Side 2</b>                             |                   |
| Stripping length (jacket)                 | 20 mm             |
| Coating contact                           | gold plated       |
| Family construction form                  | free cable end    |
| <b>Commercial data</b>                    |                   |
| 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                                      | 4048879829748     |
| Packaging unit                            | 1                 |
| <b>Electrical data   Supply</b>           |                   |
| 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               |
| <b>Diagnostics</b>                        |                   |
| Status indication LED                     | no                |
| <b>Installation   Connection</b>          |                   |
| Stripping length (jacket)                 | 20 mm             |
| Mounting set                              | M12 x 1           |
| <b>Device protection   Electrical</b>     |                   |
| Additional condition protection degree    | inserted, screwed |
| Pollution Degree                          | 3                 |
| Rated surge voltage                       | 0,8 kV            |
| Material group (IEC 60664-1)              | I                 |
| <b>Mechanical data   Material data</b>    |                   |
| 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

#### 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

Product standard      DIN EN 61076-2-101 (M12)

#### Installation | Cable

wire arrangement      brown, blue

Cable identification      414

Cable Type      3

Jacket Color      gray

Type of Certificate      cURus

Amount stranding      1

Stranding      2 wires twisted

wire arrangement      brown, blue

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 mm²

Material conductor wire      Stranded copper wire, bare

Conductor type (wire)      strand class 6

Nominal voltage AC max.      300 V

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

AC withstand voltage (wire - wire)      2,5 kV @ 60 s

Power frequency withstand voltage (wire - jacket)      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 bending cycles (C-track) | 10 Mio. @ 25 °C                                      |
| Traversing distance (C-track)   | 10 m @ 25 °C   horizontal                            |
| Travel speed (C-track)          | 3 m/s @ 25 °C                                        |
| No. of torsion cycles           | 2 Mio.                                               |
| Torsion stress                  | ± 180 °/m                                            |
| Torsion speed                   | 35 cycles/min                                        |