

MQ15 female 270° with cable 600V AC type 3

PUR 4x1.5 bk UL/CSA+drag ch. 10m

MQ15, 4-pole

Female 270°

with cable sleeves

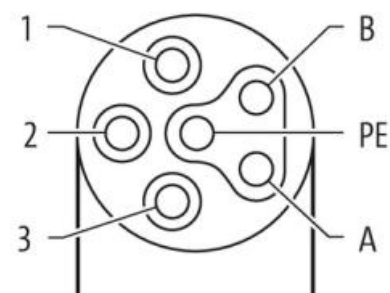
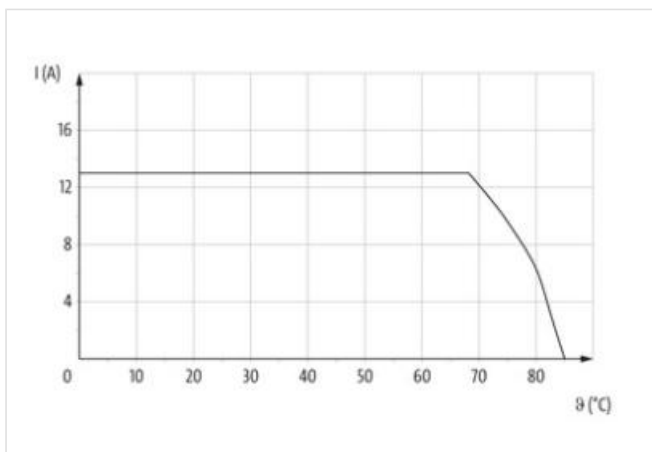
Plastic housings with good resistance against chemicals and oils.

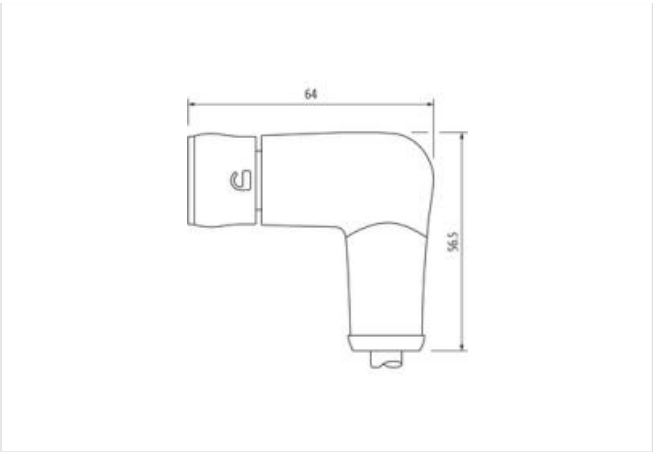
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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

| | |
|----|-------|
| 1 | BK 1 |
| 2 | BK 2 |
| 3 | BK 3 |
| PE | GN YE |
| A | |
| B | |





Product may differ from Image



| | |
|---|------------------|
| Cable length | 10 m |
| Side 1 | |
| Mounting method | inserted, locked |
| Coating contact | silver-plated |
| Family construction form | MQ15 |
| suitable for corrugated tube (internal Ø) | 18 mm |
| Cable outlet | angled |
| Coding | Type 3 |
| Material contact | Copper alloy |
| No. of poles | 4 |
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| Side 2 | |
| Stripping length (jacket) | 100 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 | 4065909050095 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 600 V |
| Current operating per contact max. | 13 A |
| Diagnostics | |
| Status indication LED | no |
| Installation Connection | |

Stripping length (jacket) 100 mm

Installation | Pin assignment

Coding Type 3
Configuration partly used

Device protection | Electrical

Additional condition protection degree inserted, locked
Pollution Degree 3
Rated surge voltage 6 kV
Material group (IEC 60664-1) I

Mechanical data | Material data

Material housing PUR
Material contact carrier PA
Locking material POM

Mechanical data | Mounting data

Looking techniques bayonet-locking

Environmental characteristics | Climatic

Operating temperature min. -30 °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 IEC 61076-2-116

Installation | Cable

wire arrangement green-yellow, black 3, black 2, black 1
Cable identification P16
Cable Type 3
Printing color of wire insulation white (isolation black)
Jacket Color black
Type of Certificate cURus
Amount stranding 1
Stranding 4 wires twisted
wire arrangement green-yellow, black 3, black 2, black 1
Cable weight 114,4 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) 7,2 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PP
Amount wires 4
Outer diameter insulation 2,3 mm
Outer diameter tolerance core insulation ± 5 %
Shore hardness wire insulation 60 ± 5 Shore D
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation white (isolation black)
Amount strands (wire) 84
Diameter of single wires 0,15 mm
Conductor crosssection (wire) 1,5 mm²

| | |
|---|--|
| Material conductor wire | Stranded copper wire, bare |
| Conductor type (wire) | strand class 6 |
| Nominal voltage AC max. | 1000 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 14,4 A |
| Electrical resistance line constant wire | 13,3 Ω /km @ 20 °C |
| AC withstand voltage (wire - wire) | 10 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) | 10 kV @ 60 s |
| Min. operating temperature (static) | -50 °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 |
| UV resistance | DIN EN ISO 4892-2 A |
| Flame resistance | UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 |
| 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) | 5 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 3,3 m/s @ 25 °C |
| No. of torsion cycles | 2 Mio. |
| Torsion stress | ± 180 °/m |
| Torsion speed | 35 cycles/min |