

**MQ15 male 0° with cable 600V AC type 3**

PVC 6x2.5 bk UL/CSA 5m

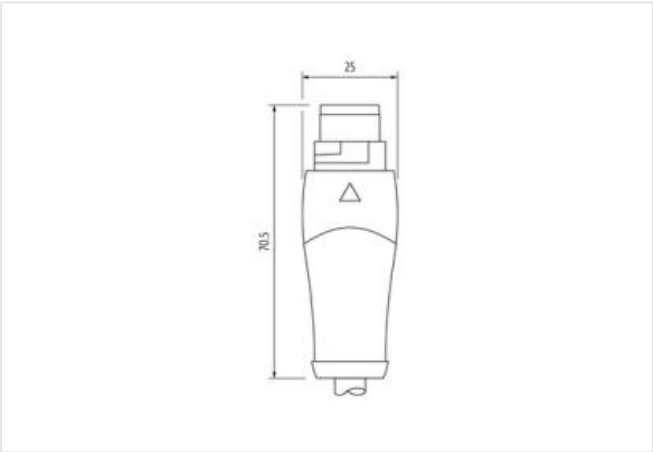
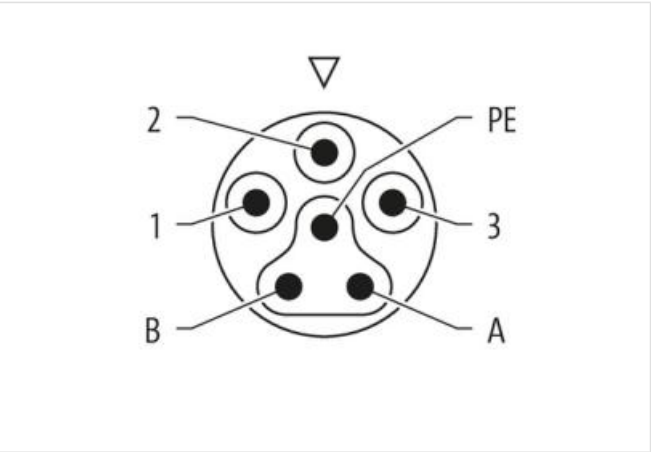
Male straight  
MQ15, 6-pole  
with cable sleeves  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.  
Further cable lengths on request.

[Link to Product](#)

Illustration



|    |       |
|----|-------|
| 1  | BK 1  |
| 2  | BK 2  |
| 3  | BK 3  |
| PE | GN YE |
| A  | BK 4  |
| B  | BK 5  |



Product may differ from Image



|                 |                  |
|-----------------|------------------|
| Cable length    | 5 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                              | 6             |
| Degree of protection (EN IEC 60529)       | IP65, IP67    |

**Side 2**

|                           |        |
|---------------------------|--------|
| Stripping length (jacket) | 100 mm |
|---------------------------|--------|

**Commercial data**

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060311      |
| ETIM-5.0              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4065909047552 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                              |       |
|----------------------------------------------|-------|
| Operating voltage AC per power contact max.  | 600 V |
| Operating voltage AC per signal contact max. | 63 V  |
| Operating voltage DC per signal contact max. | 63 V  |
| Operating current per power contact max.     | 16 A  |
| Operating current per signal contact max.    | 10 A  |

**Diagnostics**

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

**Installation | Connection**

|                           |        |
|---------------------------|--------|
| Stripping length (jacket) | 100 mm |
|---------------------------|--------|

**Installation | Pin assignment**

|               |            |
|---------------|------------|
| Coding        | Type 3     |
| Configuration | fully used |

**Device protection | Electrical**

|                                        |                  |
|----------------------------------------|------------------|
| Additional condition protection degree | inserted, locked |
| Pollution Degree                       | 3                |
| Rated surge voltage power contacts     | 6 kV             |
| Rated surge voltage signal contacts    | 1,5 kV           |
| Material group (IEC 60664-1)           | I                |

**Mechanical data | Material data**

|                          |     |
|--------------------------|-----|
| Material housing         | PUR |
| Material contact carrier | PA  |

**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                                  | black 5, black 4, black 3, black 2, black 1, green-yellow      |
| Cable identification                              | P74                                                            |
| Cable Type                                        | 1                                                              |
| Function cable                                    | Power                                                          |
| Printing color of wire insulation                 | white (isolation black)                                        |
| Jacket Color                                      | black                                                          |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 6 wires around Filler twisted                                  |
| Filler                                            | yes                                                            |
| wire arrangement                                  | black 5, black 4, black 3, black 2, black 1, green-yellow      |
| Cable weight                                      | 238,7 g/m                                                      |
| Material jacket                                   | PVC                                                            |
| Shore hardness jacket                             | 90 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free                              |
| Outer-diameter (jacket)                           | 10,5 mm                                                        |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 6                                                              |
| Outer diameter insulation                         | 2,85 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)                             | 140                                                            |
| Diameter of single wires                          | 0,15 mm                                                        |
| Conductor crosssection (wire)                     | 2,5 mm <sup>2</sup>                                            |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6                                                 |
| Electrical function wire                          | Power                                                          |
| Nominal voltage AC max.                           | 1000 V                                                         |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 18,2 A                                                         |
| Electrical function wire                          | Power                                                          |
| Electrical resistance line constant wire          | 8 Ω/km @ 20 °C                                                 |
| AC withstand voltage (wire - wire)                | 10 kV                                                          |
| Power frequency withstand voltage (wire - jacket) | 10 kV                                                          |
| Min. operating temperature (static)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 80 °C                                                          |
| Operating temperature min. (dynamic)              | -25 °C                                                         |
| Operating temperature max. (dynamic)              | 80 °C                                                          |
| 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                                    | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |

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: 2024-05-27

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