

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

PUR 6x2.5 bk UL/CSA+drag ch. 5m

Female straight  
MQ15, 6-pole  
without 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

UL

|                          |                   |
|--------------------------|-------------------|
| Cable length             | 5 m               |
| Side 1                   |                   |
| Mounting method          | inserted, screwed |
| Coating contact          | silver-plated     |
| Family construction form | MQ15              |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material contact                                | Copper alloy                                                                                                                                          |
| No. of poles                                    | 6                                                                                                                                                     |
| <b>Side 2</b>                                   |                                                                                                                                                       |
| Stripping length (jacket)                       | 30 mm                                                                                                                                                 |
| <b>Commercial data</b>                          |                                                                                                                                                       |
| ECLASS-6.0                                      | 27279218                                                                                                                                              |
| ECLASS-6.1                                      | 27279218                                                                                                                                              |
| ECLASS-7.0                                      | 27279218                                                                                                                                              |
| ECLASS-8.0                                      | 27279218                                                                                                                                              |
| ECLASS-9.0                                      | 27060327                                                                                                                                              |
| ECLASS-10.1                                     | 27060311                                                                                                                                              |
| ECLASS-11.1                                     | 27060311                                                                                                                                              |
| ECLASS-12.0                                     | 27060327                                                                                                                                              |
| ETIM-5.0                                        | EC001855                                                                                                                                              |
| customs tariff number                           | 85444290                                                                                                                                              |
| GTIN                                            | 4048879591157                                                                                                                                         |
| Packaging unit                                  | 1                                                                                                                                                     |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                       |
| 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                                                                                                                                                  |
| <b>Diagnostics</b>                              |                                                                                                                                                       |
| Status indication LED                           | no                                                                                                                                                    |
| <b>Installation   Connection</b>                |                                                                                                                                                       |
| Stripping length (jacket)                       | 30 mm                                                                                                                                                 |
| Mating cycles min.                              | 500                                                                                                                                                   |
| <b>Installation   Pin assignment</b>            |                                                                                                                                                       |
| Configuration                                   | fully used                                                                                                                                            |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP67                                                                                                                                                  |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 4 kV                                                                                                                                                  |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Combustibility class housing (UL94)             | HB                                                                                                                                                    |
| Material housing                                | Plastic                                                                                                                                               |
| Material contact carrier                        | PA                                                                                                                                                    |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Looking techniques                              | bayonet-locking                                                                                                                                       |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -25 °C                                                                                                                                                |
| Operating temperature max.                      | 80 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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                          | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

| Installation   Cable                              |                                                           |
|---------------------------------------------------|-----------------------------------------------------------|
| wire arrangement                                  | black 1, black 2, black 3, black 4, black 5, green-yellow |
| Cable identification                              | P01                                                       |
| Jacket Color                                      | black                                                     |
| wire arrangement                                  | black 1, black 2, black 3, black 4, black 5, green-yellow |
| Material jacket                                   | PUR                                                       |
| Freedom from ingredients (jacket)                 | halogen-free, LABS-free                                   |
| Outer-diameter (jacket)                           | 11,1 mm                                                   |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                     |
| Material wire insulation                          | TPE                                                       |
| Amount wires                                      | 6                                                         |
| Ingredient freeness wire insulation               | halogen-free, LABS-free                                   |
| Conductor crosssection (wire)                     | 2,5 mm <sup>2</sup>                                       |
| Material conductor wire                           | Stranded copper wire, bare                                |
| Nominal voltage AC max.                           | 1000 V                                                    |
| Electrical resistance line constant wire          | 8 Ω/km @ 20 °C                                            |
| AC withstand voltage (wire - wire)                | 4 kV                                                      |
| Power frequency withstand voltage (wire - jacket) | 4 kV                                                      |
| Min. operating temperature (static)               | -40 °C                                                    |
| Max. operating temperature (fixed)                | 80 °C                                                     |
| Operating temperature min. (dynamic)              | -20 °C                                                    |
| Operating temperature max. (dynamic)              | 60 °C                                                     |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   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.                                                    |
| Travel speed (C-track)                            | 3 m/s                                                     |
| Torsion stress                                    | ± 15 °/m                                                  |