

**MQ15-X- Power male receptacle shielded front mount**

wires PVC 4x1,5 UL/CSA 0,25m

Art.No.: 7000-P8281-P810025

Weight: 0.049

Country of origin: DE

Model designation: MSWAQ3FV-P81\_0.25

Male straight

MQ15, 4-pole

with multi-strand wire

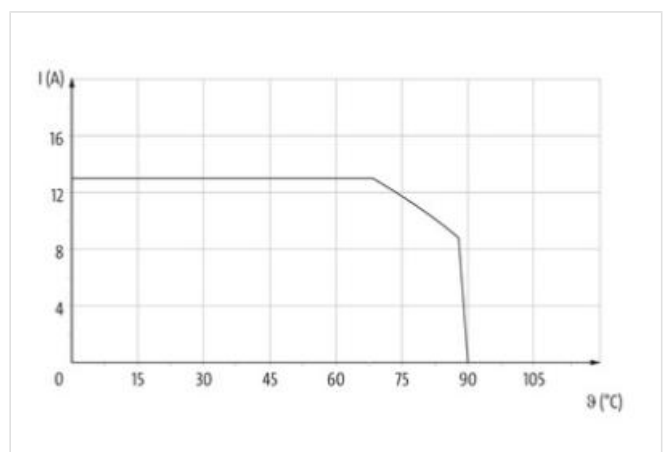
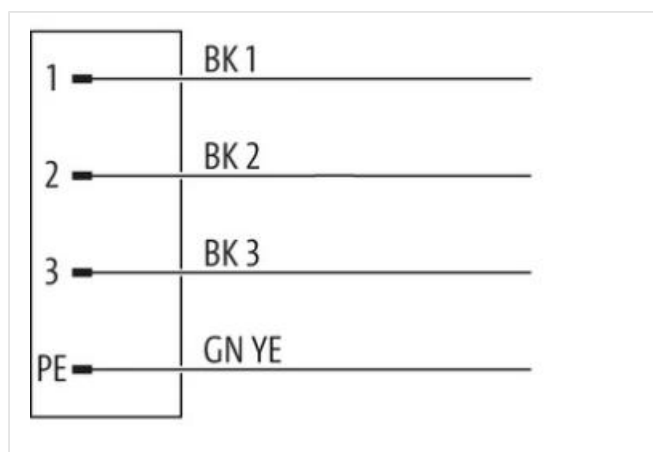
shielded housing

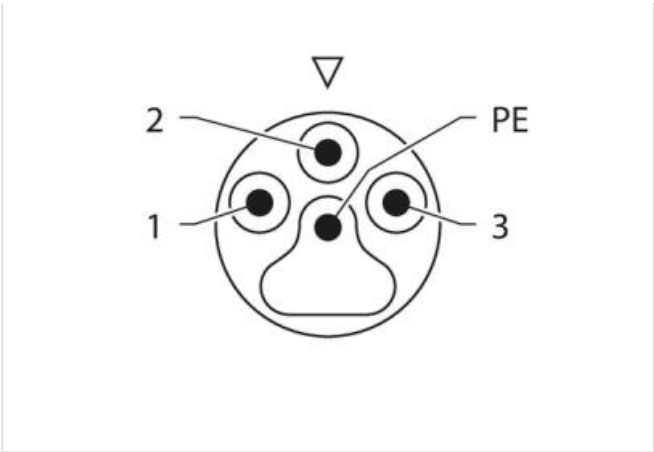
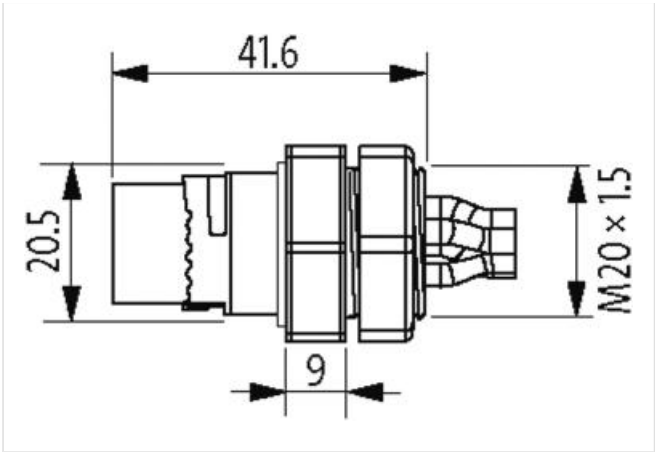
Front mounting

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



|                                    |                   |
|------------------------------------|-------------------|
| Cable length                       | 0,25 m            |
| Side 1                             |                   |
| Mounting method                    | inserted, screwed |
| Coating contact                    | silver-plated     |
| Family construction form           | MQ15              |
| Coding                             | Type 3            |
| Material contact                   | Copper alloy      |
| No. of poles                       | 4                 |
| Commercial data                    |                   |
| ECLASS-6.0                         | 27279220          |
| ECLASS-6.1                         | 27279220          |
| ECLASS-7.0                         | 27440103          |
| ECLASS-8.0                         | 27440103          |
| ECLASS-9.0                         | 27440103          |
| ECLASS-10.1                        | 27440103          |
| ECLASS-11.1                        | 27440103          |
| ECLASS-12.0                        | 27440103          |
| ETIM-5.0                           | EC001855          |
| customs tariff number              | 85444290          |
| customs tariff number              | 85444290          |
| EAN                                | 4048879702058     |
| EAN                                | 4048879702058     |
| Packaging unit                     | 1                 |
| 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          |                   |
| Mating cycles min.                 | 500               |
| Installation   Pin assignment      |                   |

Configuration fully used

| Device protection   Electrical                    |                                                                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Degree of protection (EN IEC 60529)               | IP67                                                                                                                                                  |
| Additional condition protection degree            | inserted, screwed                                                                                                                                     |
| Pollution Degree                                  | 3                                                                                                                                                     |
| Rated surge voltage                               | 6 kV                                                                                                                                                  |
| Material group (IEC 60664-1)                      | I                                                                                                                                                     |
| Mechanical data   Material data                   |                                                                                                                                                       |
| Material housing                                  | Brass                                                                                                                                                 |
| Coating housing                                   | nickel plated                                                                                                                                         |
| Material contact carrier                          | PA                                                                                                                                                    |
| Mechanical data   Mounting data                   |                                                                                                                                                       |
| Looking techniques                                | bayonet-locking                                                                                                                                       |
| Environmental characteristics   Climatic          |                                                                                                                                                       |
| Operating temperature min.                        | -40 °C                                                                                                                                                |
| Operating temperature max.                        | 90 °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                            | <b>Attention:</b> 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                                                                                                                                       |
| Resistances   Cable                               |                                                                                                                                                       |
| wire arrangement                                  | black 1, black 2, black 3, green-yellow                                                                                                               |
| Cable identification                              | P81                                                                                                                                                   |
| wire arrangement                                  | black 1, black 2, black 3, green-yellow                                                                                                               |
| Material wire insulation                          | PVC                                                                                                                                                   |
| Amount wires                                      | 4                                                                                                                                                     |
| Outer diameter insulation                         | 3 mm                                                                                                                                                  |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                                                                 |
| Conductor crossection (wire)                      | 1,5 mm <sup>2</sup>                                                                                                                                   |
| Material conductor wire                           | copper stranded wire, tinned                                                                                                                          |
| Conductor type (wire)                             | Strand class 5                                                                                                                                        |
| Nominal voltage AC max.                           | 600 V                                                                                                                                                 |
| AC withstand voltage (wire - wire)                | 2,5 kV                                                                                                                                                |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV                                                                                                                                                |
| Min. operating temperature (static)               | -40 °C                                                                                                                                                |
| Max. operating temperature (fixed)                | 70 °C                                                                                                                                                 |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2                                                                                                   |
| chemical resistance                               | Good, application-related testing                                                                                                                     |
| Gasoline resistance                               | Good, application-related testing                                                                                                                     |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404                                                                                                  |