

**Y-Distributor M12 male/ MSUD valve plug A-18mm V4A**

PUR 3x0.75 bk UL/CSA+drag ch. 0.6m

Art.No.: 7004-42401-6360060

Weight: 0.152

Country of origin: CZ

Model designation: MSAYHL0-KL3\_636\_0.6-KL3\_636\_0.6-S04

Y connector

Plastic housings with good resistance against chemicals and oils.

Further cable lengths on request.

Male straight – male 90°

M12, 4-pole

A-coded

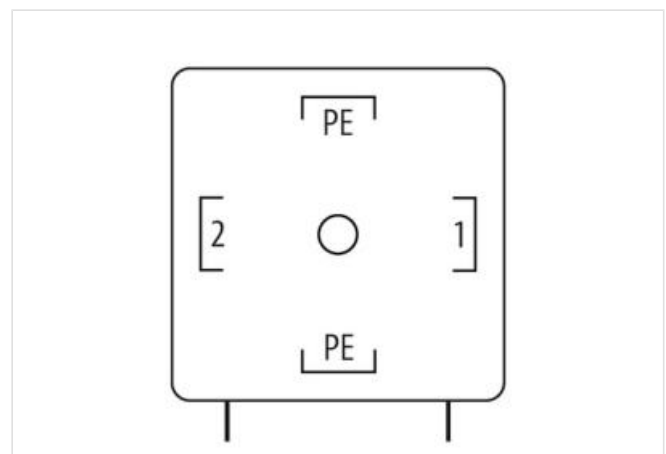
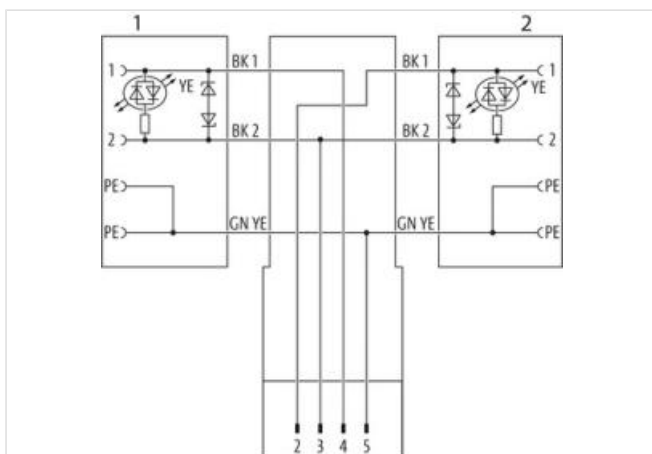
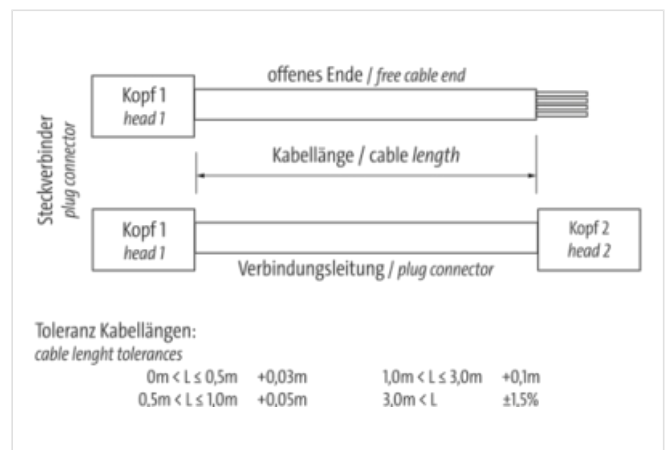
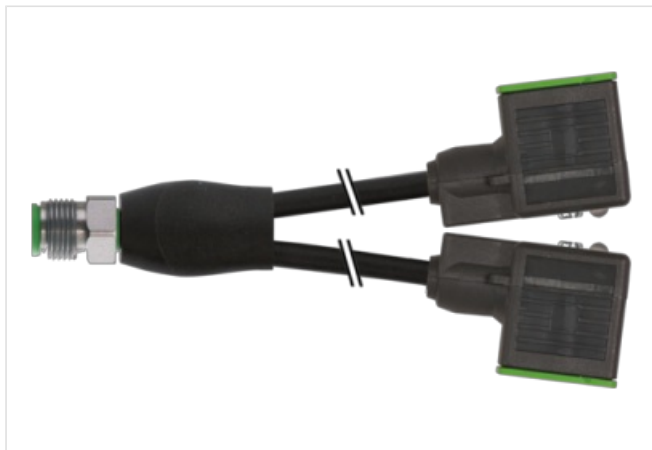
MSUD

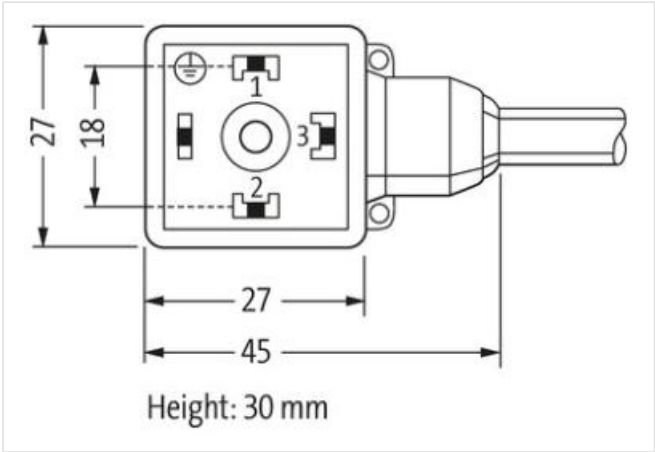
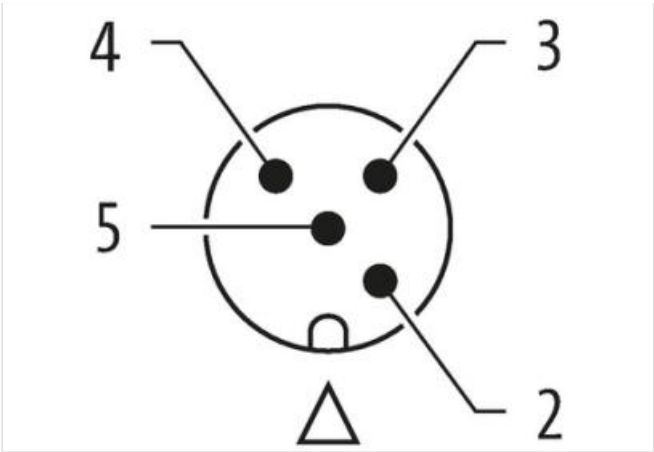
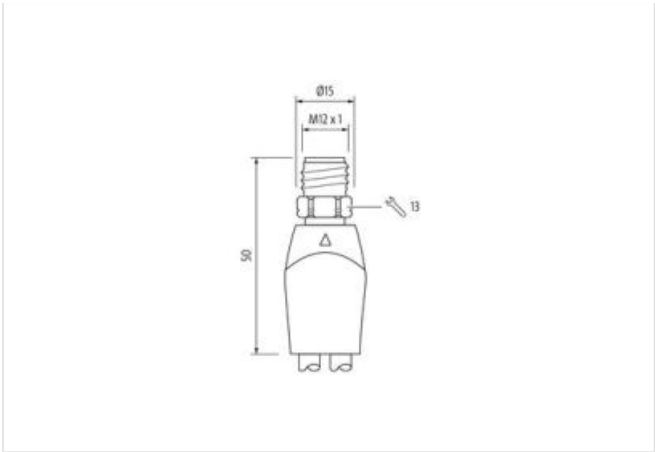
Form A (18 mm)

LED (yellow)

Diode/Z-Diode

Stainless steel 1.4404 (V4A)

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



Product may differ from Image



|                          |               |
|--------------------------|---------------|
| Cable length             | 0,6 m         |
| Side 1                   |               |
| Tightening torque        | 0,4 Nm        |
| Coating contact          | gold plated   |
| Family construction form | M12           |
| Thread                   | M3            |
| Material contact         | Copper alloy  |
| Material                 | PUR           |
| No. of poles             | 4             |
| Width across flats       | SW13          |
| Side 2                   |               |
| Tightening torque        | 0,6 Nm        |
| Coating contact          | silver-plated |
| Family construction form | MSUD          |
| Thread                   | M12 x 1       |
| Material contact         | Copper alloy  |
| Material                 | PBT           |
| No. of poles             | 4             |

|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Side 3</b>                                   |                                                                                                     |
| Family construction form                        | MSUD                                                                                                |
| No. of poles                                    | 4                                                                                                   |
| <b>Commercial data</b>                          |                                                                                                     |
| ECLASS-6.0                                      | 27279218                                                                                            |
| ECLASS-7.0                                      | 27279218                                                                                            |
| ECLASS-8.0                                      | 27279218                                                                                            |
| ECLASS-9.0                                      | 27060311                                                                                            |
| ECLASS-10.1                                     | 27060312                                                                                            |
| ECLASS-11.1                                     | 27060312                                                                                            |
| ECLASS-12.0                                     | 27060312                                                                                            |
| ETIM-5.0                                        | EC001855                                                                                            |
| customs tariff number                           | 85444290                                                                                            |
| customs tariff number                           | 85444290                                                                                            |
| EAN                                             | 4048879529877                                                                                       |
| EAN                                             | 4048879529877                                                                                       |
| Packaging unit                                  | 1                                                                                                   |
| Packaging unit                                  | 1                                                                                                   |
| <b>Electrical data   Supply</b>                 |                                                                                                     |
| Operating voltage AC                            | 24 V                                                                                                |
| Operating voltage AC min.                       | 19,2 V                                                                                              |
| Operating voltage AC max.                       | 28,8 V                                                                                              |
| Operating voltage DC                            | 24 V                                                                                                |
| Operating voltage DC min.                       | 18 V                                                                                                |
| Operating voltage DC max.                       | 30 V                                                                                                |
| Cut-off peak voltage max.                       | 55 V                                                                                                |
| Current operating per contact max.              | 4 A                                                                                                 |
| Current consumption max.                        | 15 mA                                                                                               |
| <b>Diagnostics</b>                              |                                                                                                     |
| Status indication LED                           | yellow                                                                                              |
| <b>Device protection   Electrical</b>           |                                                                                                     |
| Degree of protection (EN IEC 60529)             | IP67                                                                                                |
| Additional condition protection degree          | inserted, screwed                                                                                   |
| Pollution Degree                                | 3                                                                                                   |
| Rated surge voltage                             | 0,8 kV                                                                                              |
| Material group (IEC 60664-1)                    | I                                                                                                   |
| Additional suppressor                           | Diode, Z-Diode                                                                                      |
| <b>Mechanical data</b>                          |                                                                                                     |
| Contour for corrugated hose                     | without                                                                                             |
| <b>Mechanical data   Material data</b>          |                                                                                                     |
| Material gasket                                 | PUR                                                                                                 |
| Locking material                                | Stainless steel 1.4404 (V4A)                                                                        |
| <b>Mechanical data   Mounting data</b>          |                                                                                                     |
| Mounting method                                 | inserted, screwed                                                                                   |
| <b>Environmental characteristics   Climatic</b> |                                                                                                     |
| Operating temperature min.                      | -25 °C                                                                                              |
| Operating temperature max.                      | 85 °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

**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                                  | black 1, black 2, green-yellow                                 |
| Cable identification                              | 636                                                            |
| Cable Type                                        | 3                                                              |
| Printing color of wire insulation                 | white (isolation black)                                        |
| Jacket Color                                      | black                                                          |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 3 wires twisted                                                |
| wire arrangement                                  | black 1, black 2, green-yellow                                 |
| Cable weight                                      | 56,1 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)                           | 5,9 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 3                                                              |
| Outer diameter insulation                         | 1,85 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 |
| Printing color of wire insulation                 | white (isolation black)                                        |
| Amount strands (wire)                             | 42                                                             |
| Diameter of single wires                          | 0,15 mm                                                        |
| Conductor crosssection (wire)                     | 0,75 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                   | 12 A                                                           |
| Electrical resistance line constant wire          | 26 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                              |
| UV resistance                                     | DIN EN ISO 4892-2 A                                            |
| 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)                   | 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.                                                         |

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: 2025-11-10

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|                |               |
|----------------|---------------|
| Torsion stress | $\pm 180$ °/m |
| Torsion speed  | 35 cycles/min |