

## M8 male 90° A-cod. / MSUD valve plug B-10mm

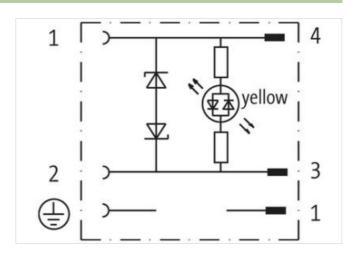
PUR 3x0.34 bk UL/CSA+drag ch. 2m

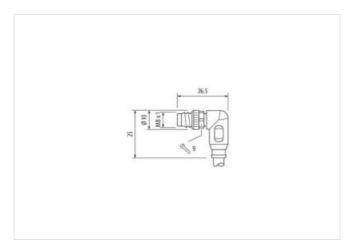
MSUD Plastic housings with good resistance against chemicals and oils. Form B (10 mm) Male M8 90° 24 V AC ±20% / DC ±25% 3-pole Z-Diode + LED Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request Further cable lengths on request.

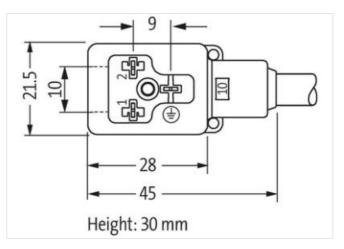
## Link to Product

Illustration



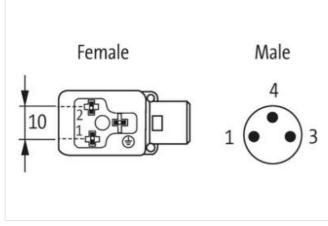






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Product may differ from Image



| Cable length                                 | 2 m               |
|--|-------------------|
| Side 1                                       |                   |
| Tightening torque                            | 0,4 Nm            |
| Mounting method                              | inserted, screwed |
| Coating contact                              | silver-plated     |
| Family construction form                     | MSUD              |
| Thread                                       | M3                |
| suitable for corrugated tube (internal $Ø$ ) | 6,5 mm            |
| Material contact                             | Copper alloy      |
| Material                                     | PUR               |
| No. of poles                                 | 3                 |
| Side 2                                       |                   |
| Tightening torque                            | 0,4 Nm            |
| Mounting method                              | inserted, screwed |
| Coating contact                              | gold plated       |
| Family construction form                     | M8                |
| Thread                                       | M8 x 1            |
| Material contact                             | Copper alloy      |
| Material                                     | PBT               |
| No. of poles                                 | 3                 |
| Width across flats                           | SW9               |
| Commercial data                              |                   |
| 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          |
| GTIN   | 4048879117067     |
| Packaging unit                               | 1                 |

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## Electrical data | Supply

| Electrical data   Supply                                 |  |
|--|--|
| 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  |
| Diagnostics  |  |
| Status indication LED                                    | yellow   |
| Device protection   Electrical                           |  |
| Degree of protection (EN IEC 60529)                      | IP65, IP67   |
| Additional condition protection degree                   | inserted, screwed  |
| Pollution Degree   | 3  |
| Rated surge voltage                                      | 0,8 kV   |
| Material group (IEC 60664-1)                             |  |
| Additional suppressor                                    | Diode, Z-Diode   |
| Mechanical data   Material data                          |  |
| Coating locking  | Nickeled   |
| Color housing  | black  |
| Material gasket  | PUR  |
| Material housing   | Plastic  |
| Locking material   | Zinc die-casting   |
| Mechanical data   Mounting data                          |  |
| Mounting method  | inserted, screwed  |
| Environmental characteristics   Climatic                 |  |
| Operating temperature min.                               | -25 °C   |
| Operating temperature max.                               | 85 °C  |
| Additional condition temperature range                   | depending on cable quality   |
| Important installation notes                             |  |
| •  | Protect the connectors by suitable measures from mechanical leads, e.g. by the years of cable tice   |
| Note on strain relief                                    | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Note on bending radius                                   | endangered by excessive bending forces.  |
| Conformity   |  |
| Product standard   | DIN EN 61076-2-114 (M8)  |
| Installation   Cable                                     |  |
| Cable identification                                     | 633  |
| Cable Type   | 3  |
| Jacket Color   | black  |
| Type of Certificate                                      | cURus  |
| Amount stranding   | 1  |
| Stranding  | 3 wires twisted  |
|  |  |
| wire arrangement   | brown, black, blue   |
| Cable weigth   | brown, black, blue<br>29,7 g/m   |
| -  |  |
| Cable weigth   | 29,7 g/m   |
| Cable weigth<br>Material jacket                          | 29,7 g/m<br>PUR  |
| Cable weigth<br>Material jacket<br>Shore hardness jacket | 29,7 g/m<br>PUR<br>90 ± 5 Shore A  |

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| Material wire insulation                          | PP   |
|---|--|
| Amount wires                                      | 3  |
| Outer diameter insulation                         | 1,25 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 |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 6 A  |
| Electrical resistance line constant wire          | 57 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                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2            |
| 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  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |

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