

## M8 male 90° A-cod./ MSUD valve plug CI-9.4mm small

PVC 3x0.34 ye UL/CSA 0.3m

**MSUD** 

Plastic housings with good resistance against chemicals and oils.

Form CI (9.4 mm)

Male M8

90°

24 V AC ±20% / DC ±25%

4-pole

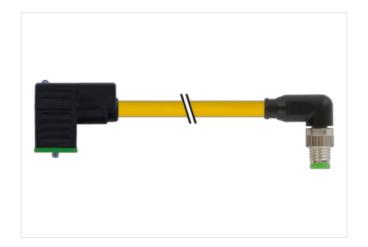
Z-Diode + LED

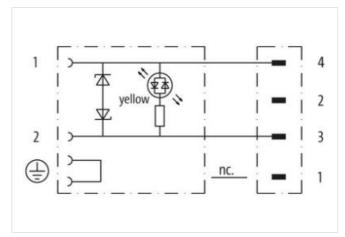
Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

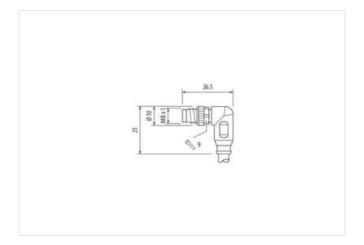
Further cable lengths on request.

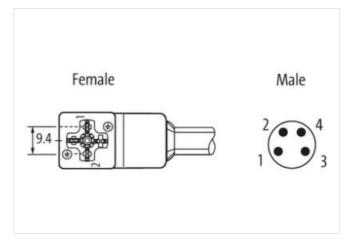
## **Link to Product**

## Illustration



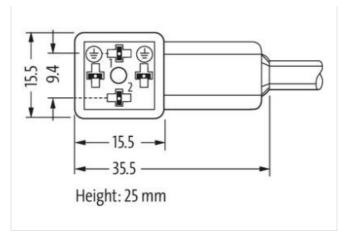








stay connected



Product may differ from Image

| Side 1         Side 1           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating constact         silver-plated           Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6,5 mm           Material contact         Copper alloy           Material progress         4           Side 2           Tightening forque           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         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060312           ECLASS-1.1         27060312           ECLASS-1.2.0         27060312           ECLASS-1.2.0         27060312           ECLASS-1.2.0         E0060315  | Cable length              | 0,3 m                                 |
|--|---------------------------|---------------------------------------|
| Tightening torque  |                           |                                       |
| 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 proper         4           Side 2         ****  Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coaling contact         gold plated           Family construction form         M8           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Copper alloy           Material site         PBT           No. of poles         4           Width across flats         SW9           Commercial date         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC   |                           | 0.4 Nm                                |
| Coaling contact         silver-plated           Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6.5 mm           Material contact         Copper alloy           Material contact         PUR           No. of poles         4           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material contact         Copper alloy           Material contact         Supper alloy           Material contact         Copper alloy           Material contact   |                           | · · · · · · · · · · · · · · · · · · · |
| Family construction form         MSUD           Thread         M3           suitable for corrugated tube (internal 0)         6.5 mm           Material         PUR           No. of poles         4           Side 2           Tightening torque           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material ontact         Copper alloy           Material         PBT           No. of poles         4           Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-1.1         27060312           ECLASS-1.2.0         27060312           ECLASS-1.2.0         ECO1825           ECLASS-1.2.0         ECO1825           ECLASS-1.2.0         ECO1825           ECLASS-1.2.0         ECO1825           Customs tariff number         8544290           Grin of taring tuber  |                           |                                       |
| Thread   |                           |                                       |
| suitable for corrugated tube (internal Ø)         6.5 mm           Material contact         Copper alloy           Material         PUR           No. of poles         4           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Thread         M8 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial date         SW9           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-11.2         27060312           ECLASS-12.0         27060312           ECLASS-12.0         65444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V  | - <u> </u>                |                                       |
| Material contact         Copper alloy           Material         PUR           No. of poles         4           Side 2           Tightening torque         0.4 Nm           Mounting method         inserted, screwed           Coating contact         gold plated           Family construction form         M8           Material contact         Copper alloy           Material ontact         Copper alloy           Material PBT         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         2729218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         26001855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V  |                           |                                       |
| Material         PUR           No. of poles         4           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 at PBT         PBT           No. of poles         4           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-12.0         27060312           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V   | ·                         |                                       |
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| 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         4           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         EC01855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC min.         19,2 V  |                           |                                       |
| 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 4  Width across flats SW9  Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-7.0 27279218  ECLASS-9.0 27060311  ECLASS-9.0 27060311  ECLASS-9.0 27060312  ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 27060312  ECLASS-12.0 27060312  ECLASS-10.1 27060312  ECLASS-11.1 2 |                           |                                       |
| 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         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V   |                           |                                       |
| Coating contact         gold plated           Family construction form         M8           Thread         M8 x 1           Material contact         Copper alloy           Material         PBT           No. of poles         4           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V  |                           | · · · · · · · · · · · · · · · · · · · |
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| ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060312  ECLASS-11.1 27060312  ECLASS-12.0 27060312  ETIM-5.0 EC01855  customs tariff number 85444290  GTIN 4048879118743  Packaging unit 1  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V  | Commercial data           |                                       |
| 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 4048879118743  Packaging unit 1  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V   | ECLASS-6.0                | 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 4048879118743 Packaging unit 1  Electrical data   Supply Operating voltage AC 24 V Operating voltage AC min. 19,2 V   | ECLASS-7.0                | 27279218                              |
| ECLASS-10.1       27060312         ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879118743         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V  | ECLASS-8.0                | 27279218                              |
| ECLASS-11.1       27060312         ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879118743         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V   | ECLASS-9.0                | 27060311                              |
| ECLASS-12.0       27060312         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4048879118743         Packaging unit       1         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V  | ECLASS-10.1               | 27060312                              |
| ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V   | ECLASS-11.1               | 27060312                              |
| customs tariff number         85444290           GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V   | ECLASS-12.0               | 27060312                              |
| GTIN         4048879118743           Packaging unit         1           Electrical data   Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V  | ETIM-5.0                  | EC001855                              |
| Packaging unit 1  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V  | customs tariff number     | 85444290                              |
| Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC min. 19,2 V  | GTIN                      | 4048879118743                         |
| Operating voltage AC 24 V Operating voltage AC min. 19,2 V   | Packaging unit            | 1                                     |
| Operating voltage AC min. 19,2 V   | Electrical data   Supply  |                                       |
|  | Operating voltage AC      | 24 V                                  |
| Operating voltage AC max. 28,8 V   | Operating voltage AC min. | 19,2 V                                |
|  | Operating voltage AC max. | 28,8 V                                |

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: 2024-05-20



stay connected

| 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)             | I I   |
| Additional suppressor                    | Diode, Z-Diode  |
| Mechanical data   Material data          | Diode, 2-Diode  |
| ·  | Nicholad  |
| Coating locking                          | Nickeled  |
| Color housing                            | black   |
| Material gasket                          | PUR Plastic   |
| Material housing  Locking material       | Zinc die-casting  |
| · ·                                      | 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             |   |
| 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                         | DIN EN 61076-2-114 (M8)   |
| Installation   Cable                     |   |
| Cable identification                     | 013   |
| Cable Type                               | 1   |
| Jacket Color                             | yellow  |
| Type of Certificate                      | cURus   |
| Amount stranding                         | 1   |
| Stranding                                | 3 wires twisted   |
| wire arrangement                         | brown, black, blue  |
| Cable weigth                             | 34,1 g/m  |
| Material jacket                          | PVC   |
| Shore hardness jacket                    | 85 ± 5 Shore A  |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, silicone-free  |
| Outer-diameter (jacket)                  | 4,6 mm  |
| Tolerance outer diameter (sheath)        | ± 5 %   |
| Material wire insulation                 | PVC   |
| Amount wires                             | 3   |
| Outer diameter insulation                | 1,25 mm   |
| Outer diameter tolerance core insulation | ±5%   |
|  |   |



| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
|---|--|
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 19   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,34 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| 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 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 80 °C  |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   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 |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |