

M8 male 0° / M8 female 90° A-cod.

PUR 3x0.25 ye UL/CSA+drag ch. 10m

Art.No.: 7000-88021-0301000

Weight: 0.275 Country of origin: DE

Model designation: MSGL0-H-R030_10.0

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:

Male straight - female 90°

M8 - M8, 3-pole

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

Further cable lengths on request.

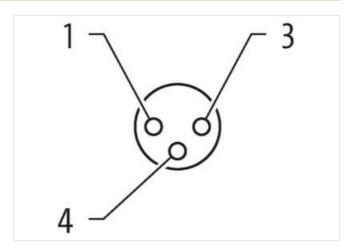
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

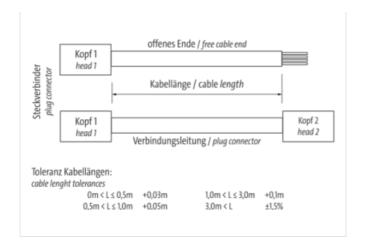
Illustration

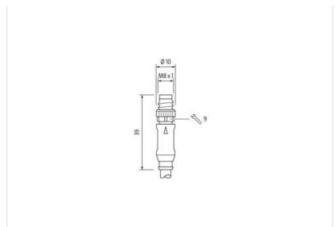


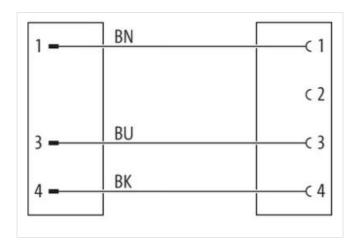


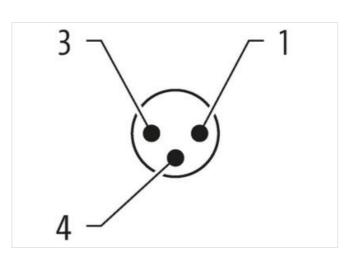


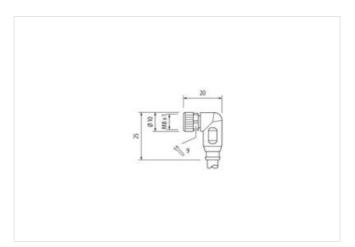
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Product may differ from Image











Cable length

10 m

Side 1

Tightening torque

0,4 Nm



Mounting method inserted, screwed Coating contact gold plated Family construction form M8 Thread M8 x 1 suitable for corrugated tube (internal Ø) 6,5 mm Gender male Cable outlet straight Coding Material contact Copper alloy Material PUR No. of poles 3 Width across flats SW9 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Tightening torque 0,4 Nm Mounting method inserted, screwed gold plated Coating contact Family construction form M8 Thread M8 x 1 Gender female suitable for corrugated tube (internal Ø) 6,5 mm Cable outlet angled Coding Α Material contact Copper alloy Material PUR No. of poles 3 Width across flats SW9 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Commercial data 27061801 ECLASS-6.0 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 EAN 4065909029848 Packaging unit Electrical data | Supply Operating voltage AC max. 50 V Operating voltage DC max. 60 V Current operating per contact max. 4 A Diagnostics Status indication LED no Device protection | Electrical IP65, IP67, IP68, IP66K Degree of protection (EN IEC 60529) Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1)

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: 2025-11-13



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| Material housing | PUR |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Coating locking | Nickeled |
| Material gasket | FKM |
| ocking material | Zinc die-casting |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | |
| Operating temperature min. | -30 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| | depending on outle 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 | 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 61076-2-114 (M8) |
| Installation Cable | |
| | brown block blue |
| wire arrangement Cable identification | brown, black, blue 030 |
| | |
| Cable Type | 3 |
| Jacket Color | yellow |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 3 wires twisted |
| wire arrangement | brown, black, blue |
| Cable weigth | 26,4 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) | 4,1 mm |
| Folerance outer diameter (sheath) | ±5% |
| 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 |
| ngredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire) | 32 |
| Diameter of single wires | 0,1 mm |
| Conductor crosssection (wire) | 0,25 mm ² |
| 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 | 4,5 A |
| Electrical resistance line constant wire | 79 Ω/km @ 20 °C |
| AC withstand voltage (wire - wire) | 2,5 kV @ 60 s |
| Power frequency withstand voltage (wire - acket) | 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 |
| 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. |
| Torsion stress | ± 180 °/m |
| Torsion speed | 35 cycles/min |