

M12 male 0° / M12 female 0°

PUR 5x0.5 gy drag ch. 1m

Male straight – female straight M12 – M12, 5-pole with cable sleeves

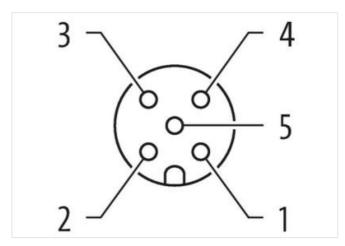
Plastic housings with good resistance against chemicals and oils.

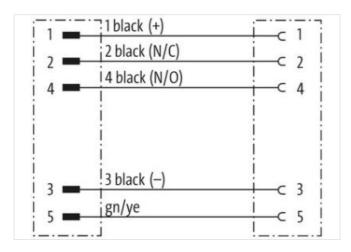
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

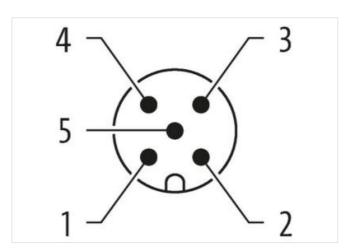
Link to Product

Illustration



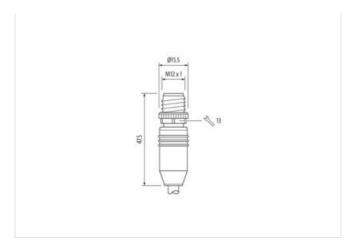


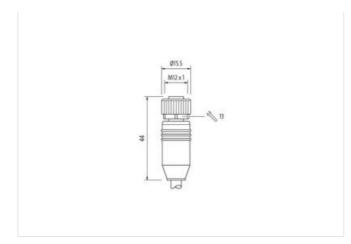






stay connected





Product may differ from Image











| Cable length | 1 m |
|-------------------------------------|---------------|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| No. of poles | 5 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP67 |
| Side 2 | |
| Tightening torque | 0,6 Nm |
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | A |
| No. of poles | 5 |
| Commercial data | |
| ECLASS-6.0 | 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 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879084383 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 125 V |
| Operating voltage DC max. | 125 V |
| Current operating per contact max. | 4 A |
| Diagnostics | |



Status indication LED no

| | 110 |
|--|---|
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | ı |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Material housing | PUR |
| Locking material | Zinc die-casting |
| Mechanical data Mounting data | Zino die ododnig |
| Mounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | |
| | |
| Operating temperature min. | -25 °C |
| Operating temperature max. Additional condition temperature range | 85 °C |
| | 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 | 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 | |
| Cable identification | 437 |
| Printing color of wire insulation | white (isolation black) |
| Jacket Color | gray |
| Amount stranding | 1 |
| Stranding | 5 wires around Core filler twisted |
| Stranding factor min. | 75 mm |
| Stranding factor max. | 75 mm |
| Banding | Fleece |
| Filler | yes |
| wire arrangement | black 4, black 3, black 2, black 1, green-yellow |
| Cable weigth | 57,2 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 85 ± 5 Shore A |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket) | 6,2 mm |
| Tolerance outer diameter (sheath) | ±5% |
| Material wire insulation | PP |
| Amount wires | 5 |
| Outer diameter insulation | 1,7 mm |
| Outer diameter tolerance core insulation | ±5% |
| Shore hardness wire insulation | 90 ± 5 Shore A |
| 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) | 28 |
| Diameter of single wires | 0,15 mm |
| Conductor crosssection (wire) | 0,5 mm ² |
| | 0,5 111117 |
| Material conductor wire | Stranded copper wire, bare |
| Material conductor wire Conductor type (wire) | |

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



| Nominal voltage AC max. | 300 V |
|---|--|
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 6,8 A |
| Electrical resistance line constant wire | 39 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) | -40 °C |
| Max. operating temperature (fixed) | 90 °C |
| Operating temperature min. (dynamic) | -5 °C |
| Operating temperature max. (dynamic) | 90 °C |
| 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 | DIN EN 60811-404 Good, application-related testing |
| Bending radius (fixed) | 10 x Outer diameter |
| Bending radius (dynamic) | 15 x Outer diameter |
| Travel speed (C-track) | 2 Mio. @ 25 °C |