

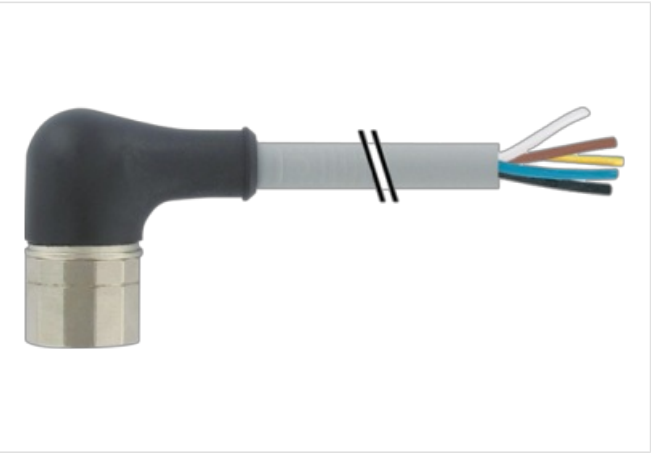
M23 female 90° with cable

PUR 16x0.5+3x1.0 gy UL/CSA+drag ch. 10m

Female 90°
M23, 19-pole
19-pole used
for 8-way distribution boxes, 5-pole
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.
7.5 A (1.0 mm²); 3.5 A (0.5 mm²)

Link to Product

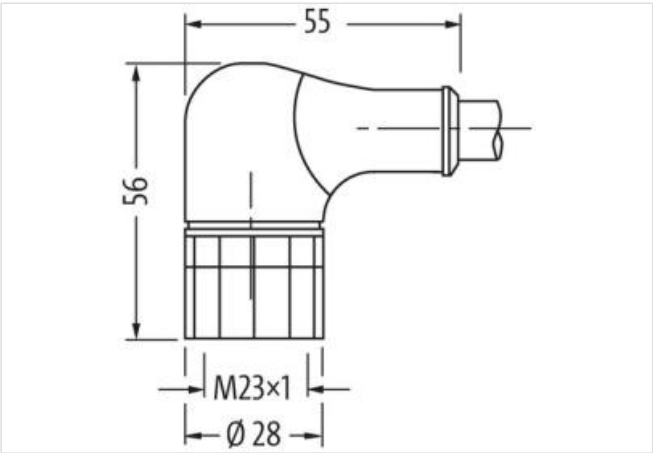
Illustration



| | |
|----|-----------------------|
| 15 | white |
| 7 | gray / pink |
| 5 | green |
| 4 | red / blue |
| 16 | yellow |
| 8 | white / green |
| 3 | gray |
| 14 | brown / green |
| 17 | pink |
| 9 | white / yellow |
| 2 | red |
| 13 | yellow / brown |
| 11 | black |
| 10 | white / gray |
| 1 | violet |
| 18 | gray / brown |
| 19 | brown 1.0mm² |
| 6 | blue 1.0mm² |
| 12 | green / yellow 1.0mm² |



Product may differ from Image



Cable length 10 m

Side 1

| | |
|---|-------------------|
| Tightening torque | 2 Nm |
| Mounting method | inserted, screwed |
| Family construction form | M23 |
| Thread | M23 x 1 |
| suitable for corrugated tube (internal Ø) | 16 mm |
| Material | PUR |
| No. of poles | 19 |
| Width across flats | SW27 |
| Degree of protection (EN IEC 60529) | IP67 |

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 | 4048879187831 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|------------------------------------|-------|
| Operating voltage AC max. | 125 V |
| Operating voltage DC max. | 125 V |
| Current operating per contact max. | 7,5 A |

Installation | Connection

| | |
|--------------|---------|
| Mounting set | M23 x 1 |
|--------------|---------|

Device protection | Electrical

| | |
|--|-------------------|
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 2 kV |
| Material group (IEC 60664-1) | I |

Mechanical data | Material data

| | |
|---------------------------|---------------|
| Coating locking | nickel plated |
| Coating of fitting | nickel plated |
| Locking material | Brass |
| Material screw connection | Brass |

Mechanical data | Mounting data

| | |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
|-----------------|---------------------------------------|

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 | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

Installation | Cable

| | |
|----------------------|--|
| wire arrangement | gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) |
| Cable identification | 452 |

| | |
|---|--|
| Jacket Color | gray |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 7 wires around Core filler twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 12 wires counter-rotating twisted |
| Banding | Fleece |
| Filler | yes |
| wire arrangement | gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) |
| Cable weighth | 231 g/m |
| Material jacket | PUR |
| Shore hardness jacket | 94 ± 5 Shore A |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free |
| Outer-diameter (jacket) | 11,5 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| Material wire insulation | TPE-E |
| Amount wires | 16 |
| Outer diameter insulation | 1,6 mm |
| Outer diameter tolerance core insulation | ± 5 % |
| Shore hardness wire insulation | 55 ± 5 Shore D |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free, silicone-free, LABS-free |
| Amount strands (wire) | 64 |
| Diameter of single wires | 0,1 mm |
| Conductor crosssection (wire) | 0,5 mm ² |
| Material conductor wire | Stranded copper wire, bare |
| Conductor type (wire) | strand class 6 |
| Material wire insulation (Data) | TPE-E |
| Outer diameter wire insulation (Data) | 2,1 mm |
| Tolerance outer diameter wire insulation (data) | ± 5 % |
| Shore hardness wire insulation (Data) | 55 ± 5 Shore D |
| Ingredient freeness wire insulation (Data) | lead-free, halogen-free, silicone-free, LABS-free |
| Amount wires (Data) | 3 |
| Amount strands wire (Data) | 128 |
| Diameter of single wires (Data) | 0,1 mm |
| Conductor crosssection wire (Data) | 1 mm ² |
| Material conductor wire (Data) | Stranded copper wire, bare |
| Wire conductor type (Data) | strand class 6 |
| Max. rated voltage (conductor - conductor) | 300 V |
| Max. rated voltage (conductor - ground) | 300 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 5,9 A |
| Current load capacity min. Wire (Data) | 15 A |
| Electrical resistance line constant wire | 39 Ω/km @ 20 °C |
| Electrical resistance coating wire (Data) | 20 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) | -20 °C |
| Operating temperature max. (dynamic) | 90 °C |
| Flame resistance | UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 |
| chemical resistance | Good, application-related testing |

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

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| | |
|---------------------------------|--|
| Gasoline resistance | Good, application-related testing |
| Oil resistance | Good, application-related testing DIN EN 60811-404 |
| Bending radius (installation) | x Outer diameter |
| Bending radius (fixed) | 8 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| No. of bending cycles (C-track) | 5 Mio. @ 25 °C |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Travel speed (C-track) | 2 m/s @ 25 °C |