

M23 female 90° with cable

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

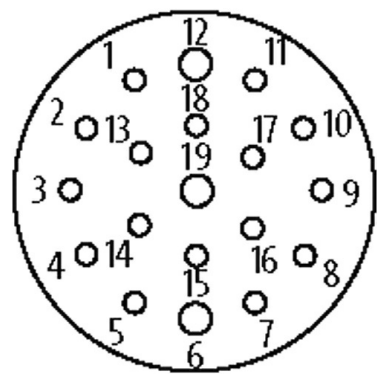
Female 90°  
M23, 19-pole  
19-pole used  
for 8-way distribution boxes, 5-pole  
Further cable lengths on request.  
Plastic housings with good resistance against chemicals and oils.  
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration



Female



Product may differ from Image

Approvals



Form

Form 23351

General data

|                   |                                         |
|-------------------|-----------------------------------------|
| Pollution Degree  | 3                                       |
| Temperature range | -5...+70 °C, depending on cable quality |

Cables

|              |     |
|--------------|-----|
| Cable number | 452 |
|--------------|-----|

|                                 |                                                                                                    |
|---------------------------------|----------------------------------------------------------------------------------------------------|
| No./diameter of wires           | 16× 0.5 + 3× 1.0 mm <sup>2</sup>                                                                   |
| Wire isolation                  | TPE (grpk, wh, rdbl, gn, whgn, ye, brgn, gr, whye, pk, yebr, rd, whgr, bk, grbr, vi, br, bl, gnye) |
| C-track properties              | 5 Mio.                                                                                             |
| Jacket Color                    | gray                                                                                               |
| Material (jacket)               | PUR (UL/CSA)                                                                                       |
| Outer Ø                         | 11.5 mm ±5%                                                                                        |
| Bend radius (moving)            | 10× outer Ø                                                                                        |
| Temperature range (fixed)       | -40...+80 °C                                                                                       |
| Temperature range (mobile)      | -5...+80 °C                                                                                        |
| Cable identification            | 452                                                                                                |
| Approval (cable)                | UL (AWM-Style 20233), CSA                                                                          |
| Cable weight [g/m]              | 231,0                                                                                              |
| Material (wire)                 | Cu wire, bare                                                                                      |
| Resistor (core)                 | max. 39 Ω/km (0.5 mm <sup>2</sup> ); max. 20 Ω/km (1.0 mm <sup>2</sup> ); (20 °C)                  |
| Single wire Ø (core)            | 0.1 mm                                                                                             |
| Construction (core)             | 64× 0.1 mm (0.5 mm <sup>2</sup> ), 128× 0.1 mm (1.0 mm <sup>2</sup> ); (multi-strand wire class 6) |
| Diameter (core)                 | 16× 0.5 + 3× 1.0 mm <sup>2</sup>                                                                   |
| AWG                             | similar to AWG 20 (0.5 mm <sup>2</sup> ); similar to AWG 17 (1.0 mm <sup>2</sup> )                 |
| Material (wire isolation)       | TPE-E                                                                                              |
| Shore hardness (wire isolation) | 55 ±3 D                                                                                            |
| Wire-Ø incl. isolation          | 1.6 mm ±5% (0.5 mm <sup>2</sup> ); 2.1 mm ±5% (1.0 mm <sup>2</sup> )                               |
| Material (jacket)               | PUR                                                                                                |
| Outer-Ø (jacket)                | 11.6 mm ±5%                                                                                        |
| Color (jacket)                  | gray                                                                                               |
| chemical resistance             | good resistance to oil, gasoline and chemicals                                                     |
| Nominal voltage                 | 300/300 V AC                                                                                       |
| Test voltage                    | 2000 V AC                                                                                          |
| Bend radius (moving)            | 10× outer Ø                                                                                        |
| No. of bending cycles (C-track) | max. 5 Mio.                                                                                        |
| Travel speed (C-track)          | max. 2 m/s                                                                                         |

#### Technical Data

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Operating voltage             | max. 125 V AC/DC                                                 |
| Rated surge voltage           | 2.5 kV                                                           |
| Operating current per contact | max. 7.5 A                                                       |
| Material group                | IEC 60664-1, category I                                          |
| Locking of ports              | Screw thread (M23×1 mm) recommended torque 2.0 Nm, self-securing |
| Compression gland             | M23 (SW27)                                                       |
| Protection                    | IP67 inserted and tightened (EN 60529)                           |
| Locking material              | Brass, nickel plated                                             |
| Material                      | PUR                                                              |

suitable for corrugated tube (internal Ø) 16 mm

#### Commercial data

|                       |               |
|-----------------------|---------------|
| country of origin     | DE            |
| customs tariff number | 85444290      |
| EAN                   | 4048879187831 |
| eClass                | 27279218      |
| Packaging unit        | 1             |

#### Sketch

|    |                    |
|----|--------------------|
| 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 10mm²        |
| 6  | blue 10mm²         |
| 12 | green/yellow 10mm² |

Product may differ from Image