

### Basic features

|                     |                    |
|---------------------|--------------------|
| Approval/Conformity | CE<br>UKCA<br>WEEE |
|---------------------|--------------------|

### Electrical connection

|                                     |   |
|-------------------------------------|---|
| Bending radius min., fixed cable    | 5 x D   |
| Bending radius min., flexible cable | 15 x D  |
| Cable                               | PUR Shielded black, 10 m, drag chain compatible |
| Cable diameter D                    | 6.70 mm ±0.30 mm                                |
| Conductor cross-section             | 0.25 mm <sup>2</sup>                            |
| Connection                          | M16x0.75-Female, straight, 8-pin                |
| Connector configuration             | Straight  |
| Number of conductors                | 8   |
| Number of pins                      | 8   |
| System                              | assembled                                       |

### Electrical data

|                                  |                  |
|----------------------------------|------------------|
| Conductor construction           | 4x2 twisted-pair |
| Operating voltage U <sub>b</sub> | 60 VDC / 60 VAC  |
| Rated current (40 °C)            | 5.0 A            |
| Stranding                        | pairs            |

### Environmental conditions

|   |             |
|---|-------------|
| Cable temperature UL max., fixed routing    | 80 °C       |
| Cable temperature UL max., flexible routing | 80 °C       |
| Cable temperature, drag chain               | -5...60 °C  |
| Cable temperature, fixed routing            | -40...90 °C |
| Cable temperature, flexible routing         | -5...90 °C  |
| IP rating                                   | IP67        |

### Material

|                             |                          |
|-----------------------------|--------------------------|
| Cable jacket material, note | Shielded                 |
| Cable jacket, material      | PUR                      |
| Cable shield                | Copper braid, tin-plated |
| Material contact carrier    | PBT                      |
| Material contacts           | Bronze                   |
| Material cover nut          | Brass                    |
| Material grip               | Die-cast zinc            |

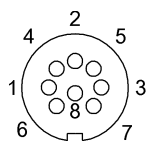
### Mechanical data

|   |                       |
|---|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | black                 |
| Cable length L                          | 10.00 m               |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 10 m                  |
| Tightening torque pigtail               | 0.6 Nm                |
| Traverse speed max., drag chain         | 4.5 m/s               |

## Remarks

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Flame resistance acc. to IEC 60332-1  
Flame resistance per UL FT2  
Oil resistant per DIN VDE 0472 Part 803  
Tin plated copper braiding, optical coverage min. 85%  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

## Connector Drawings



PIN 1: yellow  
PIN 2: gray  
PIN 3: pink  
PIN 4: red  
PIN 5: green  
PIN 6: blue  
PIN 7: brown  
PIN 8: white

## Wiring Diagrams (Schematic)

