

4MT5  
(CYJV CABLE ASSEMBLY)



## Basic features

|                     |                      |
|---------------------|----------------------|
| Application         | Welding area         |
| Approval/Conformity | cULus<br>EAC<br>WEEE |

## Electrical connection

|                                     |  |
|-------------------------------------|--|
| Bending radius min., fixed cable    | 5 x D  |
| Bending radius min., flexible cable | 10 x D   |
| Cable                               | PUR welding spark resistant<br>Orange, 5.00 m, Drag chain compatible |
| Cable diameter D                    | 4.30 mm ±0.10 mm   |
| Cable, bending cycles min.          | 10 million   |
| Cable, torsion stress               | ±360°/m  |
| Conductor cross-section             | 0.34 mm <sup>2</sup>   |
| Connection                          | #_M12x1-Female, angled, 5-pin, A-coded                               |
| Connector configuration             | right-angle  |
| Number of conductors                | 4  |
| Number of pins                      | 5  |
| System                              | Molded   |

## Electrical data

|                                  |                   |
|----------------------------------|-------------------|
| Operating voltage U <sub>b</sub> | 250 VDC / 250 VAC |
| Rated current (40 °C)            | 4.0 A             |

## Environmental conditions

|   |                   |
|---|-------------------|
| Cable temperature UL max., fixed routing    | 80 °C             |
| Cable temperature UL max., flexible routing | 80 °C             |
| Cable temperature, drag chain               | -25...60 °C       |
| Cable temperature, fixed routing            | -50...90 °C       |
| Cable temperature, flexible routing         | -25...90 °C       |
| Protection degree                           | IP67, IP68, IP69K |

## Material

|                             |                         |
|-----------------------------|-------------------------|
| Cable jacket material, note | welding spark resistant |
| Cable jacket, material      | PUR                     |
| Material contact carrier    | PUR                     |
| Material contacts           | Bronze                  |
| Material cover nut          | Die-cast zinc           |
| Material grip               | PUR                     |

## Mechanical data

|   |                       |
|---|-----------------------|
| Acceleration max., drag chain           | 5 m/s <sup>2</sup>    |
| Cable jacket, color                     | Orange                |
| Cable length L                          | 5.00 m                |
| Cable properties                        | Drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm                |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

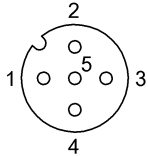
## Output/Interface

|                  |               |
|------------------|---------------|
| Switching output | Complementary |
|------------------|---------------|

**Remarks**

Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance per UL FT2  
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

**Connector Drawings**



PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black

**Wiring Diagrams**

