



4MT5  
 (CYJV CABLE ASSEMBLY)



## Basic features

|                     |                      |
|---------------------|----------------------|
| 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 Shielded black, 10.00 m,<br>Drag chain compatible |
| Cable diameter D                    | 4.70 mm ±0.15 mm                                      |
| Cable, bending cycles min.          | 2 million   |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                                  |
| Connection                          | M12x1-Female, Straight, 5-pin, A-<br>coded            |
| Connector configuration             | Straight  |
| Number of conductors                | 4   |
| Number of pins                      | 5   |
| System                              | Molded  |

## Electrical data

|                         |                   |
|-------------------------|-------------------|
| Operating voltage $U_b$ | 250 VDC / 250 VAC |
| Rated current (40 °C)   | 4.0 A             |

## Environmental conditions

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

## Material

|                             |                          |
|-----------------------------|--------------------------|
| Cable jacket material, note | Shielded                 |
| Cable jacket, material      | PUR                      |
| Cable shield                | Copper braid, tin-plated |
| Material contact carrier    | PUR                      |
| Material contacts           | Bronze                   |
| Material cover nut          | Brass<br>nickel plated   |
| Material grip               | PUR                      |

## 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 | 5 m                   |
| Tightening torque pigtail               | 0.6 Nm                |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 2 m                   |

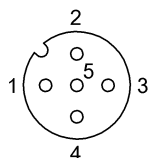
## Output/Interface

|                  |               |
|------------------|---------------|
| 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, only in screwed state with the associated mating piece.

## Connector Drawings



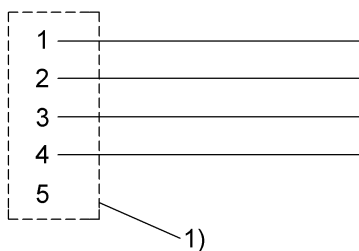
PIN 1: brown

PIN 2: white

PIN 3: blue

PIN 4: black

## Wiring Diagrams



1) Shield on cover nut