

4MT5  
 (CYJV CABLE ASSEMBLY)  
 For Use in Class 2 Circuits Only



## Basic features

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

## Electrical connection

|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Bending radius min., fixed cable    | 7.5 x D                                      |
| Bending radius min., flexible cable | 15 x D                                       |
| Cable                               | FEP welding spark resistant<br>black, 2.00 m |
| Cable diameter D                    | 3.75 mm ±0.25 mm                             |
| Conductor cross-section             | 0.34 mm <sup>2</sup>                         |
| Connection                          | M8x1-Female, Straight, 3-pin, A-coded        |
| Connector configuration             | Straight                                     |
| Number of conductors                | 3                                            |
| Number of pins                      | 3                                            |
| System                              | Molded                                       |

## Electrical data

|                         |                 |
|-------------------------|-----------------|
| Operating voltage $U_b$ | 60 VDC / 60 VAC |
| Rated current (40 °C)   | 4.0 A           |

## Environmental conditions

|                                  |               |
|----------------------------------|---------------|
| Cable temperature, fixed routing | -100...200 °C |
| Protection degree                | IP65          |

## Material

|                             |                         |
|-----------------------------|-------------------------|
| Cable jacket material, note | welding spark resistant |
| Cable jacket, material      | FEP                     |
| Material contact carrier    | PUR, special            |
| Material contacts           | Bronze                  |
| Material cover nut          | Brass<br>PTFE coated    |
| Material grip               | PUR, special            |

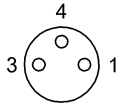
## Mechanical data

|                           |        |
|---------------------------|--------|
| Cable jacket, color       | black  |
| Cable length L            | 2.00 m |
| Tightening torque pigtail | 0.4 Nm |

## Remarks

Cable construction acc. to UL-AWM Style 2749  
 Maximum temperature at outer jacket from weld spatter/beads short-time 800°C.  
 Flame-retarding  
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

## Connector Drawings



PIN 1: brown

PIN 3: blue

PIN 4: black

## Wiring Diagrams

