

4MT5  
(CYJV CABLE ASSEMBLY)



## Basic features

Application	Welding area
Approval/Conformity	CE cULus EAC WEEE

## Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR welding spark resistant orange, 0.60 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 1	M8x1-Female, straight, 4-pin, A-coded
Connection 2	M12x1-Male, straight, 4-pin, A-coded
Number of conductors	4
System	Molded/Molded

## Electrical data

Operating voltage Ub	60 VDC / 60 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
IP rating	IP67/IP67, IP68, IP69K

## Material

Cable jacket material, note	welding spark resistant
Cable jacket, material	PUR
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc or nickel plated brass/Die-cast zinc
Material grip	PUR/PUR

## Mechanical data

Acceleration max., drag chain	5 m/s <sup>2</sup>
Cable jacket, color	Orange
Cable length L	0.60 m
Cable properties	Drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.4 Nm/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

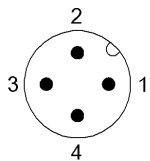
Halogen-free per DIN VDE 0472 Part 815

Silicone-free

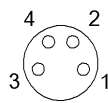
Flame resistance per UL FT2

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

## Connector Drawings



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



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

## Wiring Diagrams

