

4MT5
(CYJV CABLE ASSEMBLY)



Basic features

Application	DeviceNet Thin
Approval/Conformity	cULus EAC WEEE

Electrical connection

Bending radius min., fixed cable	6 x D
Bending radius min., flexible cable	10 x D
Cable	PVC Shielded gray, 4.00 m
Cable diameter D	7.00 mm ±0.40 mm
Conductor cross-section	22 AWG/24 AWG
Connection 1	7/8"-Female, straight, 5-pin
Connection 2	7/8"-Male, straight, 5-pin
Number of conductors	4
System	Molded/Molded

Electrical data

Cable rated voltage AC max.	300 V
Cable rated voltage DC max.	300 V
Conductor construction	2x2 twisted-pair
Conductor resistance	(AWG 24) 90 Ohm/km at 20 °C (AWG 22) 55 Ohm/km at 20 °C
Coupling resistance max.	120 Ohm ±12 Ohm
Line attenuation at 1 MHz max.	0.70 dB/100 ft
Line attenuation at 125 kHz max.	0.29 dB/100 ft
Line attenuation at 500 kHz max.	0.50 dB/100 ft
Operating voltage Ub	300 VDC / 300 VAC
Rated current (40 °C)	4.0 A

Environmental conditions

Ambient temperature	-20...80 °C
Cable temperature, fixed routing	-20...80 °C
Protection degree	IP67, IP68/IP67, IP68

Material

Cable jacket material, note	Shielded
Cable jacket, material	PVC
Cable shield	Aluminum foil and copper braid
Material contact carrier	PUR/PUR
Material contacts	Brass/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

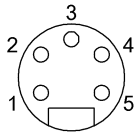
Mechanical data

Cable jacket, color	gray
Cable length L	4.00 m
Tightening torque pigtail	1.5 Nm/1.5 Nm

Remarks

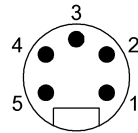
Cable construction acc. to CMG 75°C or CL2
 Flame resistant per UL 1685 (CSA FT4)
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



DeviceNet Output

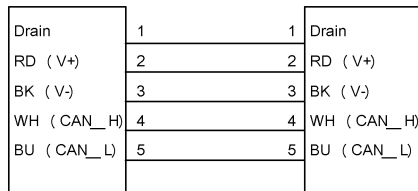
- PIN 1: shield
- PIN 2: +24V
- PIN 3: 0V
- PIN 4: CAN H
- PIN 5: CAN L



DeviceNet Input

- PIN 1: shield
- PIN 2: +24V
- PIN 3: 0V
- PIN 4: CAN H
- PIN 5: CAN L

Wiring Diagrams



L