

5BC8
(CYJV CABLE ASSEMBLY)

Basic features

Approval/Conformity	cULus EAC WEEE
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Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PVC gray, 0.30 m, Drag chain compatible
Cable diameter D	4.50 mm ±0.15 mm
Cable, bending cycles min.	2 million
Conductor cross-section	0.34 mm ²
Connection 1	M12x1-Female, straight, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 3-pin, A-coded
Number of conductors	3
System	Molded/Molded

Electrical data

Operating voltage Ub	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	-5...60 °C
Cable temperature, fixed routing	-40...105 °C
Cable temperature, flexible routing	5...105 °C
IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K

Material

Cable jacket, material	PVC
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

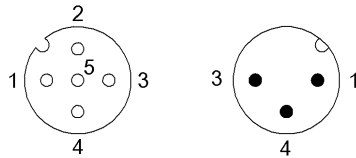
Mechanical data

Acceleration max., drag chain	5 m/s ²
Cable jacket, color	gray
Cable length L	0.30 m
Cable properties	Drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

Remarks

Cable construction acc. to UL-AWM Style 2517
Silicone-free
Flame resistance per IEC 60332-1-2
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



I
PIN 1: brown
PIN 2: n.c.
PIN 3: blue
PIN 4: black
PIN 5: n.c.

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

Wiring Diagrams

