

Basic features

Approval/Conformity	CE EAC WEEE
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Electrical connection

Bending radius min., fixed cable	4 x D
Bending radius min., flexible cable	7.5 x D
Cable	PUR gray, 5 m, Drag chain compatible
Cable diameter D	8.00 mm ±0.20 mm
Cable, bending cycles min.	10 million
Conductor cross-section	1.5 mm ²
Connection 1	M12x1-Female, Straight, 5-pin, L-coded
Connection 2	M12x1-Male, Straight, 5-pin, L-coded
Number of conductors	5
System	Molded/Molded

Electrical data

Operating voltage U _b	60 VDC / 50 VAC
Rated current (40 °C)	16.0 A

Environmental conditions

Cable temperature UL max., fixed routing	80 °C
Cable temperature UL max., flexible routing	80 °C
Cable temperature, drag chain	-20...60 °C
Cable temperature, fixed routing	-40...90 °C
Cable temperature, flexible routing	-20...80 °C
IP rating	IP65, IP67, IP69K/IP65, IP67, IP69K

Material

Cable jacket, material	PUR
Material contact carrier	PBT/PBT
Material contacts	Copper alloy, gold plated/Copper alloy, gold plated
Material cover nut	Stainless steel (1.4404)/Stainless steel (1.4404)
Material grip	TPE/TPE

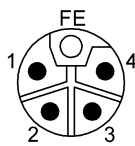
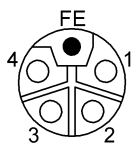
Mechanical data

Acceleration max., drag chain	50 m/s ²
Cable jacket, color	gray
Cable length L	5.00 m
Cable properties	Drag chain compatible
Tightening torque pigtail	0.6 Nm/0.6 Nm
Traverse speed max., drag chain	5 m/s

Remarks

Cable construction acc. to UL-AWM Style 20939
 Flame resistance acc. to IEC 60332-1
 Flame resistance per IEC 60332-1-2
 Flame resistance acc. to UL 1581/1080 VW-1
 Halogen-free per DIN VDE 0472 Part 815
 Silicone-free
 Oil resistant per DIN EN 60811-404 (VDE 0473-811-404)
 Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



I

PIN 1: brown
 PIN 2: white
 PIN 3: blue
 PIN 4: black
 PIN 5: pink

II

PIN 1: brown
 PIN 2: white
 PIN 3: blue
 PIN 4: black
 PIN 5: pink

Wiring Diagrams

