

Basic features

Approval/Conformity	CE 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	PUR Shielded black, 50.00 m, Drag chain compatible
Cable diameter D	6.00 mm $\pm$ 0.15 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.25 mm ²
Connection	M12x1-Female, Straight, 8-pin, A-coded
Connector configuration	Straight
Number of conductors	8
Number of pins	8
System	Molded

Electrical data

Conductor construction	4x2 twisted-pair
Operating voltage U _b	36 VDC / 30 VAC
Rated current (40 °C)	2.0 A
Stranding	pairs

Environmental conditions

Ambient temperature	-25...90 °C
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...80 °C
Cable temperature, flexible routing	-25...80 °C
IP rating	IP68

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Copper braid, tin-plated
Material contact carrier	PUR
Material contacts	Bronze
Material cover nut	Brass nickel plates
Material grip	PUR

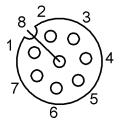
Mechanical data

Acceleration max., drag chain	5 m/s ²
Cable jacket, color	black
Cable length L	50.00 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	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 20549
Halogen-free per DIN VDE 0472 Part 815
Silicone-free
Flame resistance per UL FT2
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.
360° on shield sleeve

Connector Drawings



PIN 1: yellow
PIN 2: gray
PIN 3: pink
PIN 4: red
PIN 5: green
PIN 6: blue
PIN 7: brown
PIN 8: white