

Basic features

Application	Profinet , CAT 5
Approval/Conformity	CE Ecolab WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR Shielded Green, 15 m, drag chain compatible
Cable diameter D	6.70 mm ±0.30 mm
Cable, bending cycles min.	2 mil.
Cable, note	Profinet Type C, CAT 5E by IEC 61156-6
Conductor cross-section	22 AWG
Connection	M12x1-Male, straight, 4-pin, D-coded
Connector configuration	Straight
Number of conductors	4
Number of pins	4
System	Molded

Electrical data

Operating voltage Ub	60 VDC
Rated current (40 °C)	1.5 A
Transfer rate	10/100 Mbit/s

Environmental conditions

Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-20...60 °C
IP rating	IP67, IP69K

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PP
Material contacts	Brass
Material cover nut	1.4404 stainless steel
Material grip	PP

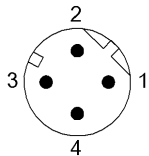
Mechanical data

Acceleration max., drag chain	2 m/s ²
Cable jacket, color	Green
Cable length L	15.00 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	5 m

Remarks

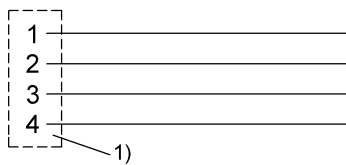
Cable construction acc. to UL-AWM Style 20549
Halogen-free per DIN VDE 0472 Part 815
Silicone-free
Flame resistance acc. to FT1
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



PIN 1: yellow
PIN 2: white
PIN 3: orange
PIN 4: blue

Wiring Diagrams



1) Shield on cover nut