

### Basic features

Application	Profinet , CAT 5
Approval/Conformity	CE EAC WEEE

### Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR Shielded Green, 45 m, Drag chain compatible
Cable diameter D	6.70 mm ±0.30 mm
Cable, bending cycles min.	2 million
Cable, note	Profinet Type C, CAT 5E by IEC 61156-6
Conductor cross-section	22 AWG
Connection 1	RJ45-Male, Straight, 4-pin
Connection 2	RJ45-Male, Straight, 4-pin
Number of conductors	4
System	assembled/assembled

### Electrical data

Operating voltage $U_b$	125 VDC / 125 VAC
Rated current (40 °C)	1.0 A
Transfer rate	10...100 Mbit/s

### Environmental conditions

Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-20...60 °C
Protection degree	IP20/IP20

### Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PA/PA
Material contacts	Bronze/Bronze
Material grip	PA 6.6/PA 6.6

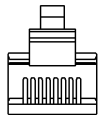
### Mechanical data

Acceleration max., drag chain	2 m/s <sup>2</sup>
Cable jacket, color	Green
Cable length L	45.00 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

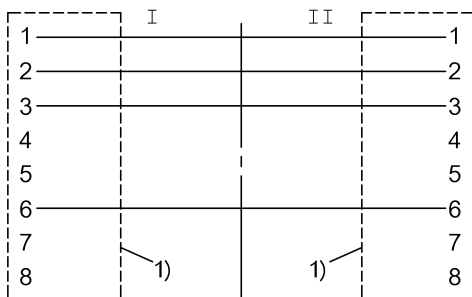
Cable construction acc. to UL-AWM Style 20236  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance acc. to FT1  
AIDA conformal  
Enclosure rating per IEC 60529 or ISO 20653, only in screwed state with the associated mating piece.

## Connector Drawings



1.....8  
I , II  
PIN 1: yellow  
PIN 2: orange  
PIN 3: white  
PIN 4: n.c.  
PIN 5: n.c.  
PIN 6: blue  
PIN 7: n.c.  
PIN 8: n.c.

## Wiring Diagrams



1) Shield on housing