

## Basic features

Application	Profinet , CAT 5
Approval/Conformity	CE WEEE cULus UKCA

## Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR Shielded Green, 0.6 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 1	RJ45-Male, straight, 4-pin
Connection 2	RJ45-Male, straight, 4-pin
Number of conductors	4
System	assembled/assembled

## Electrical data

Cable rated voltage AC max.	300 V
Cable rated voltage DC max.	300 V
Conductor resistance	(AWG 22) 55 Ohm/km at 20 °C
Isolation resistance	≥ 500 MOhm x km
Operating voltage Ub	60 VDC
Operating voltage max. DC (UL)	42 V
Rated current (40 °C)	1.5 A
Surge impedance	100 Ohm ±5 Ohm at 100 MHz
Transfer rate	10/100 Mbit/s

## Environmental conditions

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

## Material

Cable jacket material, note	Shielded
Cable jacket, material	TPU
Cable shield	Aluminum foil and copper braid
Material contact carrier	PC/PC
Material contacts	Gold plated/Gold plated
Material grip	PUR/PUR

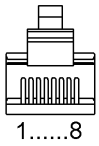
## Mechanical data

Acceleration max., drag chain	2 m/s <sup>2</sup>
Cable jacket, color	Green
Cable length L	0.60 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

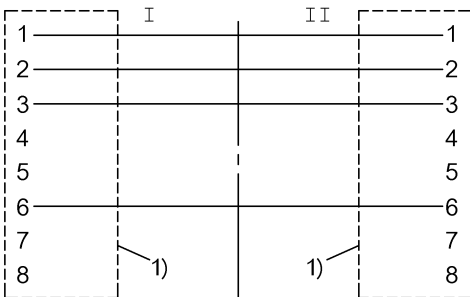
Cable construction acc. to UL-AWM Style 20549  
 Halogen-free per DIN VDE 0472 Part 815  
 Flame resistance VW-1/FT1  
 Silicone-free  
 AIDA conformal  
 Enclosure rating per IEC 60529 or ISO 20653, only in screwed state with the associated mating piece.

**Connector Drawings**



- I, II
- PIN 1: yellow
- PIN 2: orange
- PIN 3: white
- PIN 4: not used
- PIN 5: not used
- PIN 6: blue
- PIN 7: not used
- PIN 8: not used

**Wiring Diagrams (Schematic)**



1) Shield on housing