

Number of contacts

8



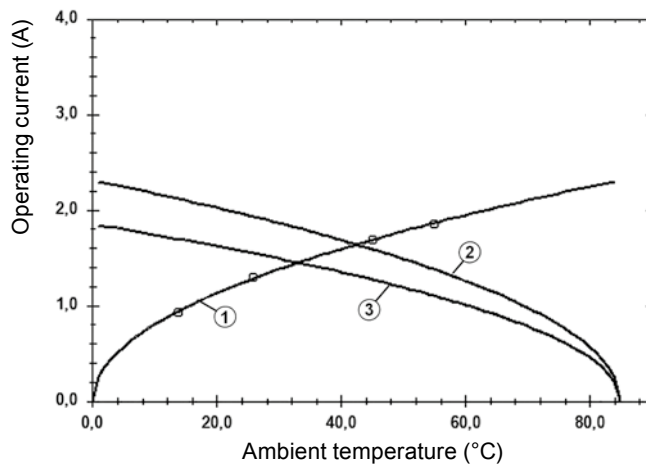
Features

- Very robust full metal housing
- Wide range IDC for solid and stranded wires from AWG 26 to AWG 22
- No side cutter needed anymore – integrated cutting blades behind the IDC contacts cut the wires to the correct length
- Very robust and patent pending cable fixing
- 35° + 90° angled version with variable cable outlet in 4 different cable outlet directions
- Simple mounting
- Suitable for all PoE versions

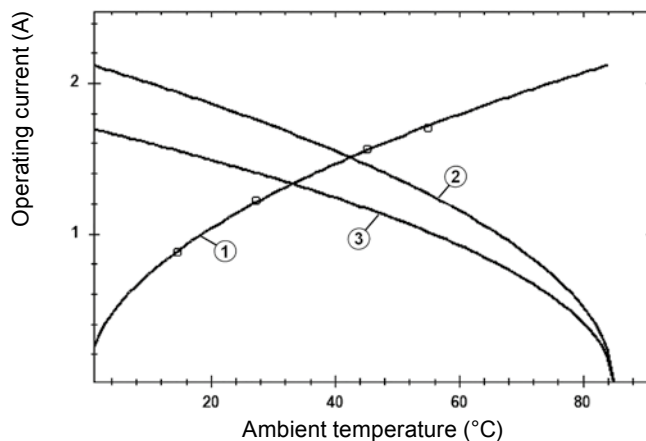
Technical characteristics

Number of contacts	8
Rated current	1.76 A
Rated voltage	50 V AC, 60 V DC
Transmission characteristics	Cat. 6A, Class E _A up to 500 MHz
Data rate	10 Mbit/s, 100 Mbit/s, 1 Gbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
Test voltage U _{DC}	1 kV (contact-contact) 1.5 kV (contact-ground)
Insulation resistance	> 5 × 10 ⁹ Ω
Contact resistance	≤ 20 mΩ
Contact resistance, shielding	≤ 100 mΩ
Limiting temperature	-40 ... +85 °C
Mating cycles	≥ 750
Conductor cross-section	0.12 ... 0.32 mm ² Stranded 0.12 ... 0.32 mm ² Solid
Conductor cross-section	AWG 26/7 ... AWG 22/7 Stranded AWG 26/1 ... AWG 22/1 Solid
Wire outer diameter	0.8 ... 1.6 mm
Degree of protection acc. to IEC 60529	IP20
Cable diameter	4.5 ... 9 mm
Insertion force	≤ 25 N
Withdrawal force	≤ 25 N
Material (insert)	Polycarbonate (PC)
Material (hood/housing)	Zinc die-cast
Surface (hood/housing)	Nickel plated
Colour (hood/housing)	Silver
Material (contacts)	Copper alloy
Surface (contacts)	Au over Ni, Mating side Tin plated, Termination side
RoHS	compliant with exemption

Derating



- ① Heating
- ② Derating curve
- ③ Derating curve 80%
AWG 26/7



- ① Heating
- ② Derating curve
- ③ Derating curve 80%
AWG 23/1

Specifications and approvals

IEC 60603-7 Mating face
IEC 11801
EN 50173-1
DNV GL

