

VIPA PROFINET-connector 972-0PN00/ 972-8PN00



Product specification

- field plug Cat.6A with multiport capability
- suitable for 10 GBits as per IEEE 802.3an
- eight-core RJ45 plug (can be assembled in the field) for AWG 22
- AWG 26/7-22/7, AWG 24/1-22/1 can be connected
- solid copper wire diameter 0.4 to 0.64 mm
- stranded copper wire diameter 0.48 to 0.76 mm
- core diameters up to 1.6 mm
- overall cable diameter from 5.5 to 8.5 mm
- plug consists of only two parts
- easy assembly without special tools
- on assembly the cable is physically secured to the loader part
- easily fitted cable strain relief
- cable strain relief can be snapped on as color coding after assembly
- industry-compatible zinc die-cast housing
- protected latch
- can be used as a test plug on the IP67 side of variants 1, 4, 5, 6 and 14

DATA SHEET



Technical Data

General data

Dimensions L x W x H	49.05 x 12.9 x 14.7 mm
Cu-Conductor diameter	
solid	0.40 - 0.64 mm AWG 24/1 - AWG 22/1
stranded	0.48 - 0.76 mm AWG 26/7 - AWG 22/7
Insulation diameter	0.85 - 1.6 mm
Cable diameter	5.5 - 8.5 mm

Transmission Performance

Category	Cat.6 ANSI/TIA/EIA-568-B.2-10
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Standards

Generic cabling systems	ANSI/TIA/EIA-568-B.2-10 ISO/IEC 11801:2002 EN 50173-1:2007 ISO/IEC 24702:2006 DIN EN 61918 Draft 02.2007 IEC 60603-7-5
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Connector
UL Standard for Communication
circuit Accessories
Degrees of protection provided
by enclosures (IP code)

UL 1863

IEC 60529

Mechanical properties

Insertion force	≤ 30 N
Life	≥ 750

Material

Connector housing	GD-Zn purify
Basic housing	PA UL94-V0
Contact	Phosphor bronze
Contact surface	Gold plating over nickel plating
Shield	Brass
Shield surface	nickel plating
Cable strain relief	PA UL94-V0

Protection against ingress

Particulate ingress	IP20
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Climatic properties

Temperature range	-40 ° bis +70 °C
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Electrical properties

Contact resistance	≤ 20 m Ω
Insulation resistance	≥ 500 M Ω
Voltage proof	
Contact - contact	≥ 1000 V DC
Contact - shield	≥ 1500 V DC
Current carrying capacity at 50 °C	1 A

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Dimensional drawing

