VS-08-ST-RJ45 - RJ45 male insert

1688573

https://www.phoenixcontact.com/us/products/1688573

PHŒNIX CONTACT

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RJ45 pin insert, CAT5e, 8-pos., shielded, IDC connection method, for litz wires AWG 26 and solid wires AWG 26 ... 24

Your advantages

- Easy installation with a crimping tool

Commercial data

Item number	1688573
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB10
Product key	ABNAAG
GTIN	4017918622404
Weight per piece (including packing)	2.92 g
Weight per piece (excluding packing)	2.87 g
Customs tariff number	85366990
Country of origin	US

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Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Number of slots	1
Shielded	yes
Cable outlet	straight
Positions/contacts	8P8C

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated current	1.5 A
Contact resistance	< 20 mΩ (Contact)
	< 100 mΩ (shield)
Frequency range	100 MHz
Insulation resistance	> 500 MΩ
Nominal current I_N	1.5 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5 (IEC 11801:2002)
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	Crimp connection
Connection cross section AWG	26 ... 24 (solid)
	26 ... 24 (flexible)
Conductor cross section	0.13 mm² ... 0.2 mm² (solid)
	0.14 mm² ... 0.22 mm² (flexible)

Dimensions

Width	11.6 mm
Height	12.1 mm

Length	24.1 mm

Material specifications

Flammability rating according to UL 94	V0
Contact material	Phosphor bronze
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	PC

Cable/line

External cable diameter	4.6 mm ... 5.8 mm
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 750
Insertion force per signal contact	< 20.00 N
Extraction force per signal contact	< 20 N

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

Mounting

Mounting type	Crimp connection

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Classifications

ECLASS

ECLASS-13.0	27440114
ECLASS-15.0	27440114

ETIM

ETIM 9.0	EC002636

UNSPSC

UNSPSC 21.0	39121400

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%