

VS-08-ST-RJ45 - RJ45 male insert



1688573

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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)	2.87 g
Weight per piece (excluding packing)	2.87 g
Customs tariff number	85366990
Country of origin	US

VS-08-ST-RJ45 - RJ45 male insert



1688573

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

Technical data

Product properties

Product type	Data connector (cable side)
Type	RJ45
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 mm ² ... 0.2 mm ² (solid) 0.14 mm ² ... 0.22 mm ² (flexible)

Interfaces

Signal type/category	Ethernet
----------------------	----------

Dimensions

Width	11.6 mm
-------	---------

VS-08-ST-RJ45 - RJ45 male insert



1688573

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

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

Signal type/category	Ethernet
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
---------------	------------------

VS-08-ST-RJ45 - RJ45 male insert



1688573

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

Classifications

ECLASS

ECLASS-13.0	27440114
ECLASS-15.0	27440114

ETIM

ETIM 10.0	EC002636
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

VS-08-ST-RJ45 - RJ45 male insert



1688573

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

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.28 kg CO2e
---------	--------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com