

VS-08-NP-RJ45-GY - RJ45 connector



1416965

<https://www.phoenixcontact.com/gb/products/1416965>

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 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 23, cable outlet: straight, Ethernet

Your advantages

- Optimized for an extended temperature range of up to 85°C
- Easy installation with a crimping tool
- The bend protection of the locking clip prevents damage and ensures error-free data transmission

VS-08-NP-RJ45-GY - RJ45 connector



1416965

<https://www.phoenixcontact.com/gb/products/1416965>

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
Type	RJ45
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	2 A
Contact resistance	< 20 m Ω (Contact) < 100 m Ω (shield)
Frequency range	100 MHz
Insulation resistance	> 500 M Ω
Nominal current I_N	2 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 m Ω (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

Connection data

Connection technology

Connection method	Crimp connection
Connection cross section AWG	26 ... 23 (solid) 26 ... 24 (flexible)
Conductor cross section	0.14 mm ² ... 0.22 mm ² (solid) 0.14 mm ² ... 0.22 mm ² (flexible)
Connection in acc. with standard	In accordance with IEC 60603-7-1
Cable outlet, angle	180

Dimensions

Width	11.7 mm
-------	---------

VS-08-NP-RJ45-GY - RJ45 connector



1416965

<https://www.phoenixcontact.com/gb/products/1416965>

Height	7.9 mm
Length	21.5 mm

Material specifications

Flammability rating according to UL 94	V2
Housing material	Plastic
Contact material	Phosphor bronze
Contact surface material	Au
Contact carrier material	PC
Locking latch material	PC
Material for screw connection	PA

Cable/line

External cable diameter	5.6 mm ... 5.6 mm
Wire diameter including insulation	0.9 mm
Cable cross section	0.14 mm ²
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
---------------	------------------

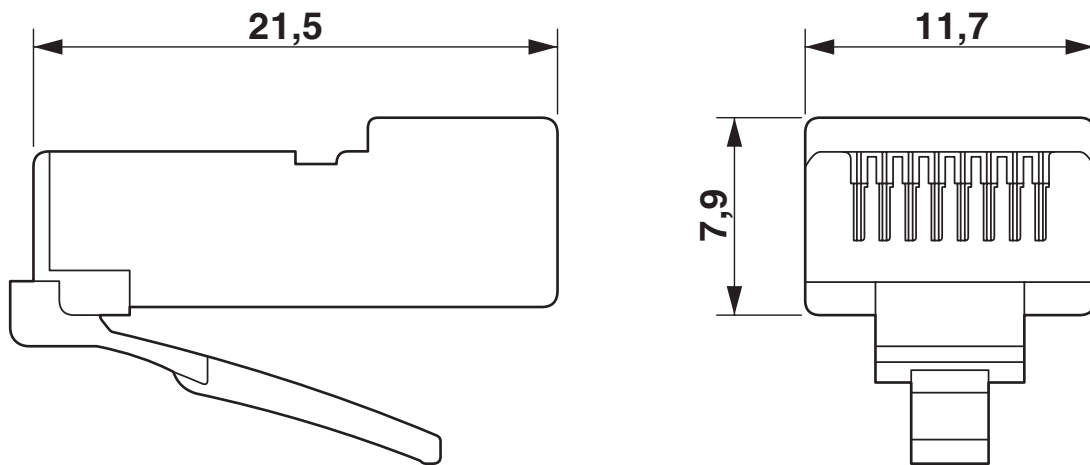
VS-08-NP-RJ45-GY - RJ45 connector

1416965

<https://www.phoenixcontact.com/gb/products/1416965>

Drawings

Dimensional drawing



RJ45 male insert

VS-08-NP-RJ45-GY - RJ45 connector



1416965

<https://www.phoenixcontact.com/gb/products/1416965>

Classifications

ECLASS

ECLASS-11.0	27440312
ECLASS-13.0	27440116
ECLASS-12.0	27440312

ETIM

ETIM 9.0	EC002641
----------	----------

UNSPSC

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

VS-08-NP-RJ45-GY - RJ45 connector



1416965

<https://www.phoenixcontact.com/gb/products/1416965>

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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk