

# VS-08-RJ45-10G/C - RJ45 male insert

1418853

<https://www.phoenixcontact.com/us/products/1418853>

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.



Male insert RJ45, CAT6<sub>A</sub>, 10 Gigabit

## Your advantages

- Reliable 360° shield contact due to the proven crimp connection
- Easy installation with a crimping tool
- Pin insert for V.06 sleeve housing VS-08-T-H-RJ45/IP67

## Commercial data

Item number	1418853
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB10
Product key	ABNAAH
GTIN	4046356536660
Weight per piece (including packing)	3.15 g
Weight per piece (excluding packing)	2.709 g
Customs tariff number	85366990
Country of origin	TW

# VS-08-RJ45-10G/C - RJ45 male insert



1418853

<https://www.phoenixcontact.com/us/products/1418853>

## 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
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 surge voltage	330 kV
Contact resistance	< 20 m $\Omega$ (Contact) < 100 m $\Omega$ (shield)
Frequency range	to 500 MHz
Insulation resistance	> 500 M $\Omega$ (100 V DC)
Nominal voltage $U_N$	48 V
Nominal current $I_N$	1 A
Contact resistance per contact pair	< 20 $\Omega$
Contact resistance	> 10 m $\Omega$ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT6 <sub>A</sub>

### Connection data

#### Connection technology

Connection method	Crimp connection
Connection cross section AWG	24 ... 27 (flexible)
Conductor cross-section	0.11 mm <sup>2</sup> ... 0.22 mm <sup>2</sup> (flexible)
Cable outlet, angle	180

### Dimensions

Width	11.7 mm
Height	14 mm
Length	30.2 mm

### Material specifications

# VS-08-RJ45-10G/C - RJ45 male insert



1418853

<https://www.phoenixcontact.com/us/products/1418853>

Color	yellow
Flammability rating according to UL 94	V2
Housing material	Steel, tin-plated
Contact material	Phosphor bronze
Contact surface material	Au/Ni
Contact carrier material	PC
Locking latch material	PC

## Cable/line

External cable diameter	5.8 mm ... 6 mm
External cable diameter	5.8 mm ... 6 mm
Wire diameter including insulation	0.9 mm ... 1 mm
Test voltage Core/Core	1000 V
Test voltage Core/Shield	1500.00 V

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	$\geq 750$
Insertion force per signal contact	$< 20.00$ N
Extraction force per signal contact	$< 20$ N

## Mounting

Mounting type	For field assembly
---------------	--------------------

# VS-08-RJ45-10G/C - RJ45 male insert



1418853

<https://www.phoenixcontact.com/us/products/1418853>

## Classifications

### ECLASS

ECLASS-15.0	27440114
ECLASS-13.0	27440114

### ETIM

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

### UNSPSC

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

# VS-08-RJ45-10G/C - RJ45 male insert



1418853

<https://www.phoenixcontact.com/us/products/1418853>

## 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 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](mailto:info@phoenixcon.com)