

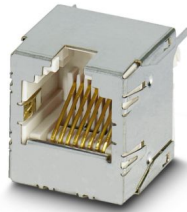
# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

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.



Modular RJ45 PCB connectors, 1x1 single-port, connection direction of the connector to the PCB: 180 °, Shielded, shield springs, number of positions: 8, 1 Gbps, THT, THD, Wave, IP20, type of packaging: Box

## Your advantages

- Through-hole technology (THT) provides high mechanical stability when connecting the female connector to the PCB
- The extended temperature range from -25°C to +80°C enables use in demanding applications
- Safe transmission due to shielding

## Commercial data

Item number	1653090
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB12
Product key	ABNADC
GTIN	4017918970048
Weight per piece (including packing)	7.21 g
Weight per piece (excluding packing)	5 g
Customs tariff number	85366930
Country of origin	JP

# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

## Technical data

### Product properties

Slots	1x1 single-port
Orientation to PCB	180.00 °
Type	THD
Number of positions	8 (8P8C)
Type of locking	Snap-in locking
Shielding	Shielded, shield springs
Processing notes	Wave
Type of packaging	Box
Transmission speed	1 Gbps1 Gbps

### Electrical properties

Pollution degree	2
Overvoltage category	I (IEC 60664-1)
Rated voltage	72 V DC
Rated surge voltage	1.5 kV DC (IEC 60664-1)
Rated current	1 A
Insulation resistance	> 500 MΩ (IEC 60603-7)
Test voltage (Contact/contact)	1.5 kV DC (IEC 60603-7)
Test voltage (Contact/shield)	1.5 kV DC (IEC 60603-7)

### Dimensions

Length	16.8 mm
Width	17.6 mm
Height	20.3 mm
Installed height	16.50 mm
Data pin length	3.80 mm

### Material specifications

Material Contact carrier	PBT
Flame resistance	UL 94 V0
Halogen-free	no
Material Housing	Copper alloy
Material Housing pin coating (top layer/selective)	Sn
Material Contact	Phosphor bronze
Material Solder contact coating (intermediate layer)	Ni
Material Solder contact coating (top layer/selective)	Au (Flash)
Material Plug contact coating (top layer/selective)	Au (1.27 μm/50 μ")
Material Plug contact coating (intermediate layer)	Ni

### Mechanical properties

# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

## Mechanical data

Insertion/withdrawal cycles	> 750 (IEC 60603-7)
Insertion force	< 20 N (IEC 60603-7)
Withdrawal force	< 20 N (IEC 60603-7)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C
Degree of protection (plugged in)	IP20 (IEC 60603-7)
Degree of protection (Not plugged in)	IP20 (IEC 60603-7)

## Mounting

### Processing notes

Mounting type	THT
---------------	-----

# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

## Drawings



Classification wave soldering profile

# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 10.0	EC002637
-----------	----------

### UNSPSC

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

# VS-08-BU-RJ45-6/LV-1 - Modular RJ45 PCB connectors



1653090

<https://www.phoenixcontact.com/us/products/1653090>

## 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)