

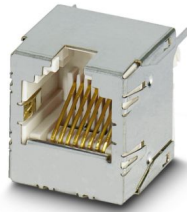
# VS-08-BU-RJ45-6/LV-1 - RJ45 PCB connectors



1653090

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

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RJ45 PCB connectors, design: RJ45, degree of protection: IP20, number of positions: 8, material: Metal, connection method: THT wave, cable outlet: straight

## 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
Catalog page	Page 85 (C-2-2013)
GTIN	4017918970048
Weight per piece (including packing)	7.21 g
Weight per piece (excluding packing)	6.9 g
Customs tariff number	85366930
Country of origin	JP

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## Technical data

### Notes

General	For use in the panel mounting frame IP67 only possible in VS-PPC-F1-RJ45-...-1R-PHA.
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### Product properties

Type	RJ45
Product type	Data connector (device side)
Number of positions	8
Type of packaging	PE bag
Housing shield springs	Yes
Connection profile	RJ45
Number of slots	1
Type	Socket
Shielded	yes
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Electrical properties

Rated voltage (III/2)	72 V DC
Rated voltage (III/3)	72 V (DC)
Rated surge voltage	1.5 kV DC
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage	1 kV DC
Rated current	1 A
Insulation resistance	> 500 MΩ
Test voltage	1 kV DC
Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Transmission medium	Copper
Transmission speed	1 Gbps

### Connection data

#### Connection technology

Connection method	THT wave
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### Dimensions

Width	16.5 mm
Height	16 mm
Length	20.3 mm

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Installed height	16.50 mm
Orientation to	180.00 °
Data pin length	3.80 mm

## Material specifications

Material	Au (1,27 µm/50 µ")
	Ni
	Au
	Ni
	Copper alloy
	PBT
	Sn
	Sn
Flammability rating according to UL 94	V0
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PBT
Housing material	Metal

## Cable/line

Test voltage Core/Core	1 kV DC
Test voltage Core/Shield	1.50 kV DC
Halogen-free	no

## 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)	-25 °C ... 80 °C
Ambient temperature (storage/transport)	-25 °C ... 80 °C

## Mounting

Mounting type	PCB mounting
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### Processing notes

Classification temperature T <sub>c</sub>	260 °C
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## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

### ETIM

ETIM 9.0	EC003557
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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