

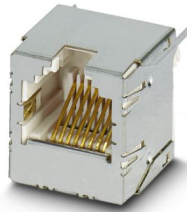
VS-08-BU-RJ45-6/LV-1 - RJ45 PCB connector



1653090

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

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RJ45 PCB connector, 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	ABNADC
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)	5 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

Product type	Data connector (device side)
Type	RJ45
Number of positions	8
Connection profile	RJ45
Type of packaging	PE bag
Housing shield springs	Yes
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 PCB	180.00 °
Data pin length	3.80 mm

Material specifications

Material Metal surface contact area (top layer)	Au (1.27 µm/50 µ")
Material Metal surface contact area (middle layer)	Ni
Material Metal surface soldering area (top layer)	Au
Material Metal surface soldering area (middle layer)	Ni
Material	Copper alloy (Housing (shielding))
	PBT (Housing (female/insert))
	Sn (Housing shielding (top layer))
	Sn (Metal surface soldering area shielding (top layer))
Flammability rating according to UL 94	V0
Housing material	Metal
Contact material	Copper alloy
Contact surface material	Gold
Contact carrier material	PBT

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

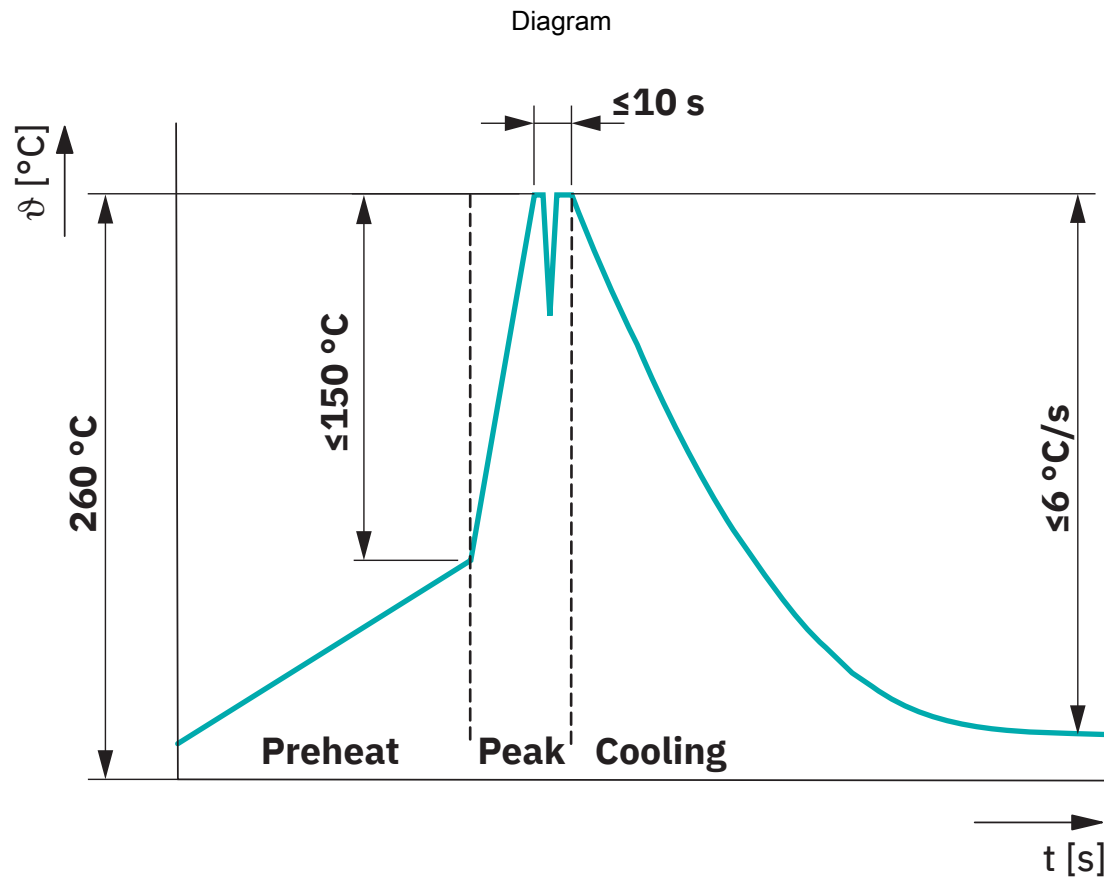
Mounting

Mounting type	PCB mounting
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Processing notes

Classification temperature T _c	260 °C
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Drawings



Classification wave soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
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ETIM

ETIM 9.0	EC002637
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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