

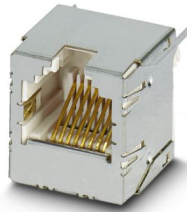
VS-08-BU-RJ45-6/LV-1 - RJ45 PCB connector



1653090

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

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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

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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)
Number of positions	8
Connection profile	RJ45
Housing shield springs	Yes
Number of slots	1
Shielded	yes

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

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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	PBT (Housing (female/insert))
Material Housing	Sn (Shield contact)
Material Contact	Copper alloy (Metal surface soldering area shielding (top layer))
Material Contact carrier	PBT
Material Housing	Metal
Flammability rating according to UL 94	V0

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 (when plugged in)	IP20
Degree of protection (not plugged in)	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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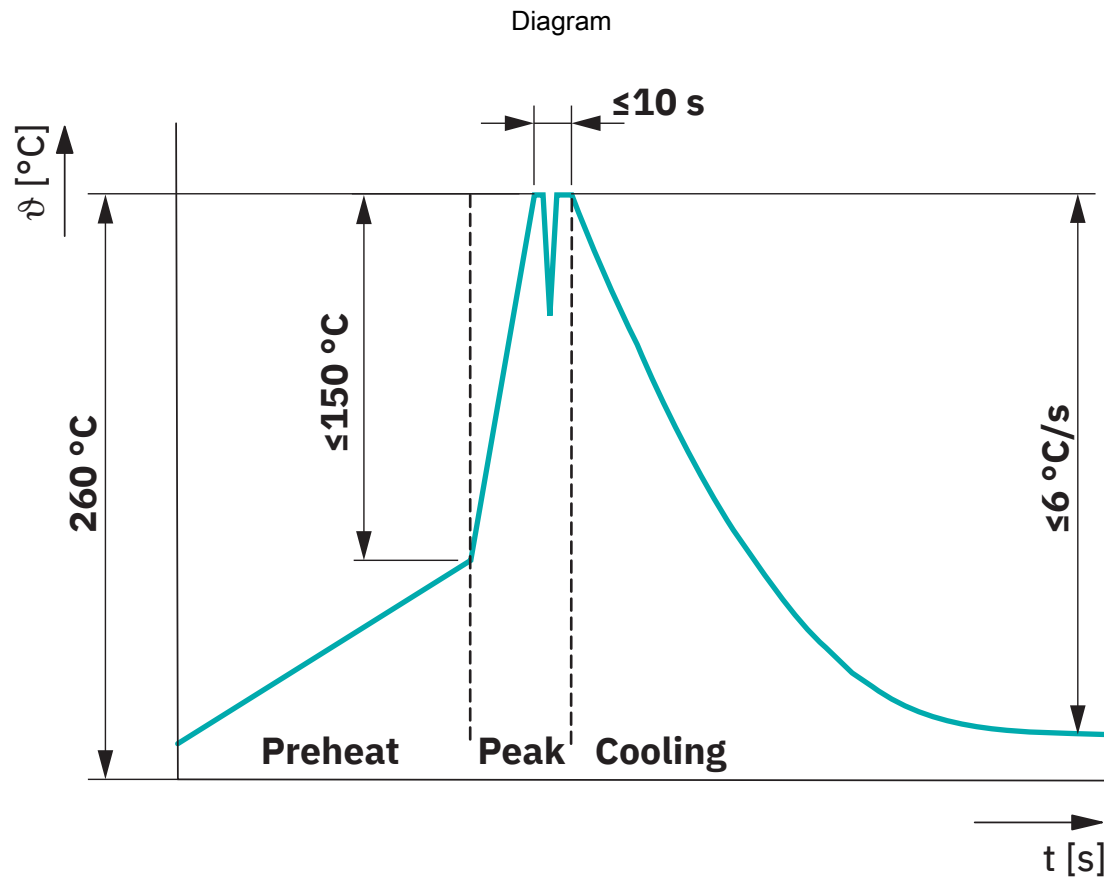
Processing notes

Classification temperature T _c	260 °C
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Packaging specifications

Type of packaging	PE bag
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Drawings



Classification wave soldering profile

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

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
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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