

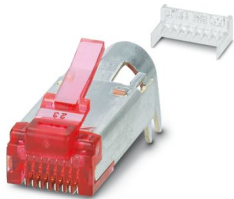
# VS-08-ST-H21-RJ45 - RJ45 male insert



1652729

<https://www.phoenixcontact.com/us/products/1652729>

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RJ45 male insert, CAT6, 8-pos., shielded, IDC displacement connection, for litz wire AWG 25 ... 24 and solid wires AWG 24, with strain relief

## 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	1652729
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB10
Product key	ABNAAG
Catalog page	Page 350 (C-2-2019)
GTIN	4017918952853
Weight per piece (including packing)	5.4 g
Weight per piece (excluding packing)	4.078 g
Customs tariff number	85366990
Country of origin	TW

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## Technical data

### Product properties

Type	RJ45
Product type	Male insert
Sensor type	Ethernet
Number of positions	8
Connection profile	RJ45
No. of cable outlets	1
Type	RJ45
Shielded	yes
Cable outlet	straight
Positions/contacts	8P8C

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

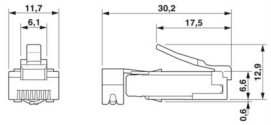
### Electrical properties

Rated voltage (III/3)	72 V (DC)
Rated surge voltage	330 kV
Rated current	1 A
Contact resistance	< 20 mΩ (Contact) < 100 mΩ (shield)
Frequency range	to 250 MHz
Insulation resistance	> 500 MΩ (100 V DC)
Nominal voltage $U_N$	48 V
Nominal current $I_N$	1.75 A
Contact resistance per contact pair	< 20 Ω
Contact resistance	> 10 mΩ (Wire – IDC)
Transmission medium	Copper
Transmission characteristics (category)	CAT6

### Connection data

Connection method	Crimp connection
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### Dimensions

Dimensional drawing	
Width	11.7 mm
Height	14 mm

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Length	30.2 mm
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## Material specifications

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

## Cable/line

External cable diameter ( )	6.6 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	≥ 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 ... 60 °C

## Mounting

Mounting type	Crimp connection
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## Classifications

### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440116

### 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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