

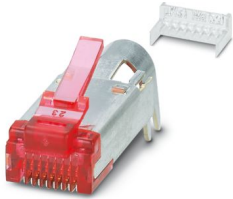
# VS-08-ST-H21-RJ45 - RJ45 male insert



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               | 1 pc          |
| Sales key                            | AB10          |
| Product key                          | ABNAAG        |
| GTIN                                 | 4017918952853 |
| Weight per piece (including packing) | 5.4 g         |
| Weight per piece (excluding packing) | 3.957 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | TW            |

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## Technical data

### Product properties

|                      |                             |
|----------------------|-----------------------------|
| Product type         | Data connector (cable side) |
| Type                 | RJ45                        |
| Sensor type          | Ethernet                    |
| Number of positions  | 8                           |
| Connection profile   | RJ45                        |
| No. of cable outlets | 1                           |
| 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)<br>< 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 technology

|                              |   |
|------------------------------|---|
| Connection method            | Crimp connection  |
| Connection cross section AWG | 24 ... 25 (flexible)<br>24 (solid)  |
| Conductor cross-section      | 0.17 mm <sup>2</sup> ... 0.22 mm <sup>2</sup> (flexible)<br>0.2 mm <sup>2</sup> (solid) |
| Cable outlet, angle          | 180   |

### Dimensions

|       |         |
|-------|---------|
| Width | 11.7 mm |
|-------|---------|

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|        |         |
|--------|---------|
| Height | 14 mm   |
| Length | 30.2 mm |

## Material specifications

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

## 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    |

## Mounting

|               |                  |
|---------------|------------------|
| Mounting type | Crimp connection |
|---------------|------------------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440114 |
| ECLASS-15.0 | 27440114 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002636 |
|-----------|----------|

### 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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)