# VS-08-RJ45-10G/C - RJ45 male insert

1418853

https://www.phoenixcontact.com/us/products/1418853

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CRIMP



Male insert RJ45, CAT6$_A$, 10 Gigabit

## 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 | 1418853 |
| Packing unit | 5 pc |
| Minimum order quantity | 5 pc |
| Sales key | AB10 |
| Product key | ABNAAH |
| GTIN | 4046356536660 |
| Weight per piece (including packing) | 3.15 g |
| Weight per piece (excluding packing) | 2.709 g |
| Customs tariff number | 85366990 |
| Country of origin | TW |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Data connector (cable side) |
| Type | RJ45 |
| 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 |
| Contact resistance | < 20 mΩ (Contact) |
| | < 100 mΩ (shield) |
| Frequency range | to 500 MHz |
| Insulation resistance | > 500 MΩ (100 V DC) |
| Nominal voltage $U_N$ | 48 V |
| Nominal current $I_N$ | 1 A |
| Contact resistance per contact pair | < 20 Ω |
| Contact resistance | > 10 mΩ (Wire – IDC) |
| Transmission medium | Copper |
| Transmission characteristics (category) | $CAT6_A$ |

### Connection data

Connection technology

| | |
|---|---|
| Connection method | Crimp connection |
| Connection cross section AWG | 24 ... 27 (flexible) |
| Conductor cross-section | 0.11 mm² ... 0.22 mm² (flexible) |
| Cable outlet, angle | 180 |

### Interfaces

| | |
|---|---|
| Signal type/category | Ethernet $CAT6_A$ |

### Dimensions

| | |
|---|---|
| Width | 11.7 mm |
| Height | 14 mm |
| Length | 30.2 mm |

## Material specifications

| | |
|---|---|
| Color | yellow |
| 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 | 5.8 mm ... 6 mm |
| External cable diameter | 5.8 mm ... 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 | For field assembly |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## 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% |

EF3.1 Climate Change

| | |
|---|---|
| CO2e kg | 0.038 kg CO2e |

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