

# VS-08-RJ45-5-Q/IP67 TIA568A - RJ45 connector



1417294

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RJ45 connector, degree of protection: IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: IDC fast connection, connection cross section: AWG 26- 23, cable outlet: straight, color: traffic gray A RAL 7042, Ethernet

## Your advantages

- Assembly without special tools
- High-quality and inexpensive solution in the IP protection zone
- Simple operation

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1417294       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB17          |
| Product key                          | ABNNAA        |
| GTIN                                 | 4046356516709 |
| Weight per piece (including packing) | 31.8 g        |
| Weight per piece (excluding packing) | 29.156 g      |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                      |                             |
|----------------------|-----------------------------|
| Product type         | Data connector (cable side) |
| Type                 | RJ45                        |
| Number of positions  | 8                           |
| Connection profile   | RJ45                        |
| No. of cable outlets | 1                           |
| Cable outlet         | straight                    |

### Insulation characteristics

|                      |   |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution  | 2 |

### Electrical properties

|                                         |                                        |
|-----------------------------------------|----------------------------------------|
| Rated voltage (III/3)                   | 72 V (DC)                              |
| Rated current                           | 1.75 A                                 |
| Contact resistance                      | 0.001 $\Omega$ (Wire – IDC)            |
|                                         | 0.005 $\Omega$ (Litz wires – IDC)      |
| Transmission medium                     | Copper                                 |
| Transmission speed                      | 1 Gbps                                 |
| Transmission characteristics (category) | CAT5                                   |
| Transmission speed                      | 1 Gbps                                 |
| Power transmission                      | PoE++ in accordance with: IEEE 802.3bt |

### Connection data

#### Connection technology

|                              |                                                          |
|------------------------------|----------------------------------------------------------|
| Connection method            | IDC fast connection                                      |
| Connection cross section AWG | 26 ... 23 (solid)                                        |
|                              | 26 ... 23 (flexible)                                     |
| Conductor cross-section      | 0.14 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (solid)    |
|                              | 0.14 mm <sup>2</sup> ... 0.36 mm <sup>2</sup> (flexible) |

### Interfaces

|                      |                                        |
|----------------------|----------------------------------------|
| Signal type/category | Ethernet CAT5 (IEC 11801:2002), 1 Gbps |
|----------------------|----------------------------------------|

### Dimensions

|        |         |
|--------|---------|
| Width  | 38.4 mm |
| Height | 22.4 mm |
| Length | 80 mm   |

### Material specifications

|                                        |                         |
|----------------------------------------|-------------------------|
| Color                                  | traffic gray A RAL 7042 |
| Flammability rating according to UL 94 | V0                      |

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|                          |                  |
|--------------------------|------------------|
| Housing material         | Plastic          |
| Cable seal material      | NBR              |
| Contact material         | Copper alloy     |
| Contact surface material | Gold over nickel |
| Contact carrier material | PC               |
| O-ring material          | FPM              |

## Cable/line

|                         |                                        |
|-------------------------|----------------------------------------|
| Signal type/category    | Ethernet CAT5 (IEC 11801:2002), 1 Gbps |
| External cable diameter | 5 mm ... 8.5 mm                        |
| Cable cross section     | 0.14 mm <sup>2</sup>                   |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Degree of protection                    | IP67             |
| Ambient temperature (operation)         | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Ambient temperature (assembly)          | -5 °C ... 55 °C  |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440390 |
| ECLASS-15.0 | 27440114 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC004746 |
|-----------|----------|

### 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.) | 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)                          |
|                                     | 2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9) |
| SCIP                                | 9a9598b7-d250-43dd-973c-64a346207dd9                                                 |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 2.456 kg CO2e |
|---------|---------------|

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