

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

<https://www.phoenixcontact.com/us/products/1657834>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



RJ45 connector, degree of protection: IP65/IP67, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: IDC fast connection, connection cross section: AWG 26- 22, cable outlet: straight, color: black, Ethernet

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1657834       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB17          |
| Product key                          | ABNOAA        |
| GTIN                                 | 4046356131902 |
| Weight per piece (including packing) | 32.1 g        |
| Weight per piece (excluding packing) | 29 g          |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

<https://www.phoenixcontact.com/us/products/1657834>

## 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                    |

### Insulation characteristics

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

### Electrical properties

|   |                                   |
|---|-----------------------------------|
| Rated voltage (III/3)                   | 72 V (DC)                         |
| Rated current                           | 1.75 A                            |
| Nominal voltage $U_N$                   | 48 V                              |
| 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                            |

### Connection data

#### Connection technology

|                              |  |
|------------------------------|--|
| Connection method            | IDC fast connection                                      |
| Connection cross section AWG | 26 ... 22 (solid)  |
|                              | 26 ... 22 (flexible)                                     |
| Conductor cross-section      | 0.13 mm <sup>2</sup> ... 0.32 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  | 22 mm |
| Height | 30 mm |
| Length | 70 mm |

### Material specifications

|       |       |
|-------|-------|
| Color | black |
|-------|-------|

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

<https://www.phoenixcontact.com/us/products/1657834>

|  |         |
|--|---------|
| Material                               | Plastic |
| Flammability rating according to UL 94 | V0      |
| Seal material, O-ring                  | NBR     |
| Seal material cable seal               | TPE     |
| Seal material                          | NBR     |
| Seal material, pin connector pattern   | NBR     |
| Housing material                       | Plastic |
| Cable seal material                    | TPE     |
| Contact material                       | CuSn    |
| Contact surface material               | Au/Ni   |
| Contact carrier material               | PC      |
| O-ring material                        | NBR     |
| Material for screw connection          | PA      |

## Cable/line

|                         |  |
|-------------------------|--|
| Signal type/category    | Ethernet CAT5 (IEC 11801:2002), 1 Gbps |
| External cable diameter | 5 mm ... 8 mm                          |
| Cable cross section     | 0.14 mm <sup>2</sup>                   |

## Mechanical properties

### Mechanical data

|                             |       |
|-----------------------------|-------|
| Insertion/withdrawal cycles | ≥ 500 |
|-----------------------------|-------|

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Degree of protection            | IP65/IP67        |
| Ambient temperature (operation) | -40 °C ... 70 °C |

## Standards and regulations

|                          |                     |
|--------------------------|---------------------|
| Standards/specifications | IEC PAS 61076-3-117 |
|--------------------------|---------------------|

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector





1657834

<https://www.phoenixcontact.com/us/products/1657834>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1657834>

|  <b>cUL Recognized</b><br>Approval ID: E118976 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 50 V                  | 1.75 A                | - 22              | -                           |

|  <b>UL Recognized</b><br>Approval ID: E118976 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 50 V                  | 1.75 A                | - 22              | -                           |

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

<https://www.phoenixcontact.com/us/products/1657834>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-15.0 | 27440114 |
| ECLASS-13.0 | 27440290 |

### ETIM

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

### UNSPSC

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

# VS-PPC-C1-RJ45-POBK-PG9-8Q5 - RJ45 connector



1657834

<https://www.phoenixcontact.com/us/products/1657834>

## 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)<br>2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)(CAS: 3147-75-9) |
| SCIP                                | 1baed9af-d769-4942-8510-17e3e55eae92  |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 1.291 kg CO2e |
|---------|---------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

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