

## RJ45 connector - VS-PPC-C1-RJ45-MNNA-PG9-8Q5 - 1608016

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Push-pull connector (version 14), metal, with 8-pos. RJ45 QUICKON connector insert, with QUICKON fast connection technology, for 26 ... 22 AWG 1-wire and 7-wire conductors, for 5.0 mm ... 8.0 mm cable diameter

Push/pull connector



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 131681 |
| GTIN         | 4046356131681                                                                                           |

### Technical data

#### Mechanical characteristics

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Connection method                   | IDC fast connection              |
| Minimum external conductor diameter | 5 mm                             |
| Maximum external conductor diameter | 8 mm                             |
| Overvoltage category                | I                                |
| AWG solid min.                      | 26                               |
| AWG solid max.                      | 22                               |
| AWG multi-stranded min.             | 26                               |
| AWG multi-stranded max.             | 22                               |
| Degree of pollution                 | 2                                |
| Cable outlet                        | straight                         |
| No. of cable outlets                | 1                                |
| Locking type                        | Push Pull                        |
| Conductor cross section             | 0.13 mm² ... 0.32 mm² (solid)    |
|                                     | 0.14 mm² ... 0.36 mm² (flexible) |
| Weight                              | 67.24 g                          |

#### Ambient conditions

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## Technical data

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -40 °C ... 70 °C |
| Ambient temperature (assembly)          | -5 °C ... 45 °C  |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

### Material data

|                          |               |
|--------------------------|---------------|
| Contact surface material | Au/Ni         |
| Contact material         | CuSn          |
| Contact carrier material | PC            |
| Cable gland material     | CuZn          |
| Seal material            | TPE           |
|                          | NBR           |
|                          | NBR           |
| Housing material         | Zinc die-cast |
| Housing surface material | Nickel-plated |
| Seal material, O-ring    | NBR           |
| Seal material cable seal | TPE           |
| Seal material            | NBR           |
| Width                    | 22 mm         |
| Height                   | 30 mm         |
| Length                   | 72 mm         |
| Wrench size              | 17.00 mm      |

### Electrical characteristics

|                                         |                                             |
|-----------------------------------------|---------------------------------------------|
| Number of positions                     | 8                                           |
| Nominal voltage $U_N$                   | 48 V                                        |
| Nominal current $I_N$                   | 1.75 A                                      |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002)                       |
| GRP transmission properties             | CAT5 (IEC 11801:2002) CAT5 (IEC 11801:2002) |
| Rated current                           | 1.75 A                                      |
| Overvoltage category                    | I                                           |
| Degree of pollution                     | 2                                           |
| Contact resistance                      | 0.001 $\Omega$ (Wire – IDC)                 |
|                                         | 0.005 $\Omega$ (Litz wires – IDC)           |
| Rated voltage (III/3)                   | 72 V (DC)                                   |

### Standards and Regulations

|                                        |                     |
|----------------------------------------|---------------------|
| Standards/specifications               | IEC PAS 61076-3-117 |
| Connection in acc. with standard       | CUL                 |
| Flammability rating according to UL 94 | V0                  |

### Environmental Product Compliance

|            |                                                |
|------------|------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                 |
| China RoHS | Environmentally Friendly Use Period = 50 years |

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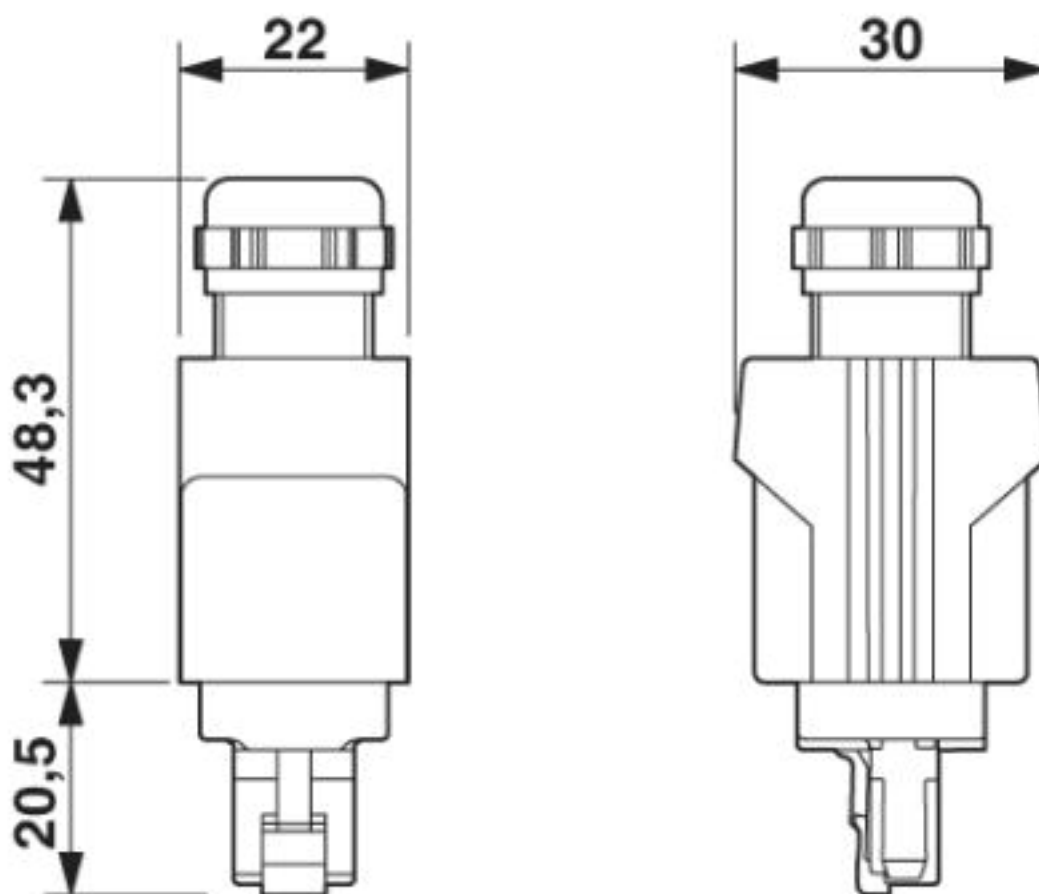
### Technical data

#### Environmental Product Compliance

|  |                                                                                                     |
|--|-----------------------------------------------------------------------------------------------------|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|-----------------------------------------------------------------------------------------------------|

### Drawings

Dimensional drawing



Push-pull RJ45 connector IP65/67

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440101 |
| eCl@ss 4.0    | 27260700 |
| eCl@ss 4.1    | 27260700 |
| eCl@ss 5.0    | 27260700 |
| eCl@ss 5.1    | 27260700 |
| eCl@ss 6.0    | 27260700 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27440101 |
| eCl@ss 8.0 | 27440101 |
| eCl@ss 9.0 | 27440101 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC001121 |
| ETIM 5.0 | EC002636 |
| ETIM 6.0 | EC002636 |
| ETIM 7.0 | EC002636 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

### Approvals

#### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
| Nominal voltage UN | 50 V                                                                                |                                                                                                                                                       |               |
| Nominal current IN | 1.75 A                                                                              |                                                                                                                                                       |               |
| mm²/AWG/kcmil      | 22                                                                                  |                                                                                                                                                       |               |

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### Approvals

|                    |                                                                                   |                                                                                                                                                       |               |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 118976 |
| Nominal voltage UN |                                                                                   | 50 V                                                                                                                                                  |               |
| Nominal current IN |                                                                                   | 1.75 A                                                                                                                                                |               |
| mm²/AWG/kcmil      |                                                                                   | 22                                                                                                                                                    |               |

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| EAC |  | B.01687 |
|-----|-----------------------------------------------------------------------------------|---------|

|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-----------------------------------------------------------------------------------|

### Accessories

#### Accessories

##### Data cable by the meter

Network cable - VS-OE-OE-93B/... - 1417362



Network cable, PROFINET CAT5 (100 Mbps), 4-position, PVC, green RAL 6018, shielded, free cable end, on free cable end, cable length: Free entry (0.5 ... 400 m)

#### Panel mounting frame

Panel mounting frames - CUC-V14-F1ZNI-EM/R4O - 1413963



RJ45 panel mounting frame, IP67, for push-pull interlocking, metal, for PCB connection, for square panel cutout, with grommet and mounting screws

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### Accessories

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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