

VS-PPC-C1-RJ45-MNNA-PG9-4Q5 - RJ45 connector



1608100

<https://www.phoenixcontact.com/us/products/1608100>

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Push-Pull connector

RJ45 connector, degree of protection: IP65/IP67, number of positions: 4, 100 Mbps, CAT5 (IEC 11801:2002), material: Metal, connection method: IDC fast connection, connection cross section: AWG 26- 22, cable outlet: straight, color: silver, PROFINET

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1608100 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB17 |
| Product key | ABNOAA |
| GTIN | 4046356159944 |
| Weight per piece (including packing) | 71 g |
| Weight per piece (excluding packing) | 67.04 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 |
| Sensor type | PROFINET |
| Number of positions | 4 |
| Connection profile | RJ45 8(4) |
| 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 |
| Nominal current I_N | 1.75 A |
| Contact resistance | 0.001 Ω (Wire – IDC) 0.005 Ω (Litz wires – IDC) |
| Transmission medium | Copper |
| Transmission speed | 100 Mbps |
| Transmission characteristics (category) | CAT5 |
| Transmission speed | 100 Mbps |

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 ² ... 0.32 mm ² (solid) 0.14 mm ² ... 0.36 mm ² (flexible) |

Dimensions

| | |
|--------|-------|
| Width | 22 mm |
| Height | 30 mm |
| Length | 72 mm |

Material specifications

| | |
|----------|--------|
| Color | silver |
| Material | Metal |

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| | |
|--|---------------|
| 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 | Metal |
| Housing surface material | nickel-plated |
| Cable seal material | TPE |
| Contact material | Cu/Sn |
| Contact surface material | Au/Ni |
| Contact carrier material | PC |
| O-ring material | NBR |
| Material for screw connection | CuZn |

Cable/line

| | |
|-------------------------|---------------|
| External cable diameter | 5 mm ... 8 mm |
| External cable diameter | 5 mm ... 8 mm |

Mechanical properties

Mechanical data

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

Standards and regulations

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

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1608100>

|  cUL Recognized Approval ID: E118976 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Only rigid conductors | 50 V | 1.75 A | - 22 | - |

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|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440290 |
| 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.) | 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 | d028ebf0-0bfe-45d2-b396-ffe850e494e5 |

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