# Q 1,5/4IDC/24-24KU-KU - Conductor connector

1641578

https://www.phoenixcontact.com/us/products/1641578

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.



Cable connector with QUICKON fast connection technology, 4-pos., connection cross section 0.75 ... 1.5 mm$^2$

## Your advantages

- Robust throughout: housing with IP65/IP67 protection for a wide range of applications

## Commercial data

| | |
|---|---|
| Item number | 1641578 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF50 |
| Product key | AF6HCC |
| GTIN | 4017918876616 |
| Weight per piece (including packing) | 41.6 g |
| Weight per piece (excluding packing) | 38.1 g |
| Customs tariff number | 85366990 |
| Country of origin | PL |

## Technical data

### Mounting

| | |
|---|---|
| Assembly note | If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load. |

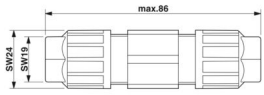
### Product properties

| | |
|---|---|
| Product type | Cable connector |
| Number of positions | 4 |
| Position marking | 1, 2, 3, 4 |
| Number of connections | 4 |
| Number of connections per position | 1 |
| Coding | no |

Insulation characteristics

| | |
|---|---|
| Overvoltage category | III |
| Degree of pollution | 3 |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Width | 24 mm |
| Height | 24 mm |
| Length | 86 mm |
| Diameter | 24 mm |

### Connection data

Connection technology

| | |
|---|---|
| Frequency of connections between conductors of the same cross section | max. 10 |

Conductor connection

| | |
|---|---|
| Tightening torque | 3 Nm |
| Tightening torque Union nut | 3 Nm |
| Wrench size Union nut | 19 mm |
| Wrench size Contact carrier | 24 mm |

### Electrical properties

| | |
|---|---|
| Rated surge voltage (II/2) | 6 kV |
| Rated surge voltage (III/2) | 6 kV |
| Rated surge voltage (III/3) | 6 kV |

| | |
|---|---|
| Rated current | 15 A |
| Contact resistance | ≤ 5 mΩ |
| rated voltage (II/2) | 1000 V |
| rated voltage (III/2) | 800 V |
| Rated voltage (III/3) | 500 V |
| Nominal voltage $U_N$ | 500 V AC |
| | 500 V DC |
| Nominal current $I_N$ | 15 A |

## Material specifications

| | |
|---|---|
| Color | green (RAL 6021) |
| Material Housing | PA |
| Material Contact | CuZn |
| Material Contact surface | tin-plated |
| Flammability rating according to UL 94 | V0 |
| Material wire insulation | PVC / PE |

## Cable/line

| | |
|---|---|
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | VDE 0295 class 1 to 6/min. 0.15 mm |
| External cable diameter | 6 mm ... 12 mm |
| Wire diameter including insulation | 1.8 mm ... 3 mm |
| Position marking | 1, 2, 3, 4 |
| Material wire insulation | PVC / PE |

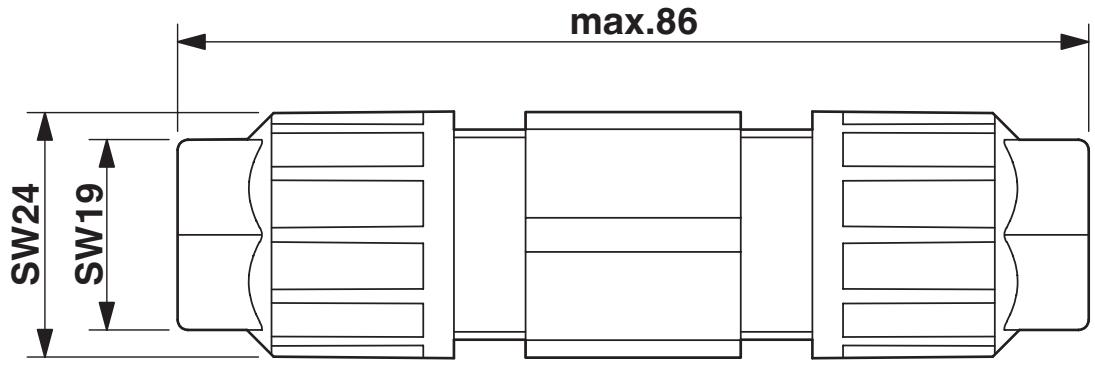
## Environmental and real-life conditions

### Ambient conditions

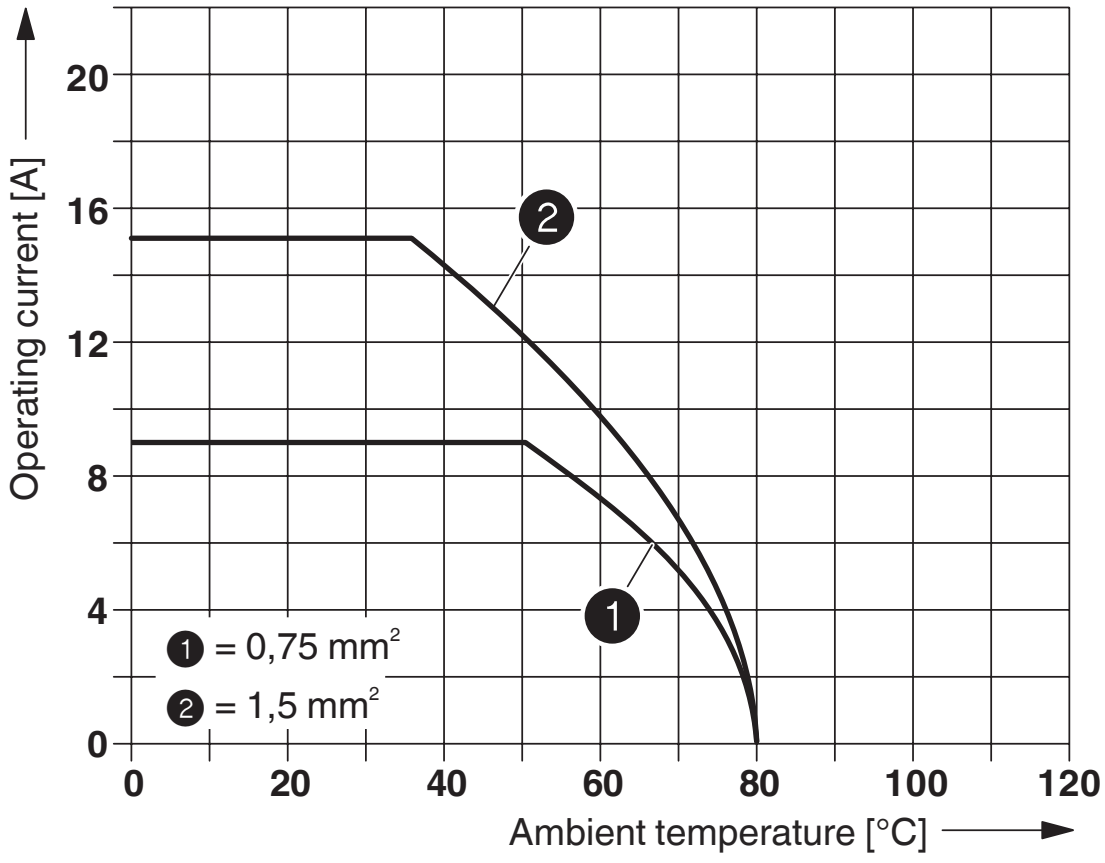
| | |
|---|---|
| Degree of protection | IP65 |
| | IP67 |
| Impact strength | IK06 |
| Ambient temperature (operation) | -25 °C ... 80 °C (specifications of the cable manufacturer must also be observed) |
| Temperature when conductor connected | -5 °C ... 50 °C (specifications of the cable manufacturer must also be observed) |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

## Drawings

Dimensional drawing




Diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1641578

**cUL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 250 V | 11 A | - | - |

**UL Recognized**
Approval ID: E118976

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 250 V | 15 A | - | - |

**EAC**
Approval ID: RU C-DE.A*30.B.01102

**VDE approval of drawings**
Approval ID: 40032336

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 500 V | - | - | 0.75 - 1.5 |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440605 |
| ECLASS-15.0 | 27440605 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002560 |

### 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 | 0.633 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