

Q 0,34/4IDC/16-16KU-KU BK - Conductor connector



1641879

<https://www.phoenixcontact.com/us/products/1641879>

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Conductor connector, connection method: IDC connection, 0.14 mm² ... 0.34 mm², 125 V, 5 A, black, coding: no, external cable diameter: 3.5 mm ... 6 mm

Your advantages

- Innovative and time saving - QUICKON fast connection for time saving of up to 80 % for on-site connection
- Safer connection with mechanical coding to protect against mismatching, and touch-proof protection in accordance with DIN EN 0105
- Easy and safe - with the cable connector, you can repair or extend cables quickly, in combination with the connector as well as the coupling connection

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1641879 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF50 |
| Product key | AF6HCA |
| GTIN | 4017918925185 |
| Weight per piece (including packing) | 14.3 g |
| Weight per piece (excluding packing) | 14.4 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

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 | 16.3 mm |
| Height | 16.3 mm |
| Length | 70 mm |
| Diameter | 16.3 mm |

Connection data

Connection technology

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

Conductor connection

| | |
|-----------------------------|--------|
| Tightening torque | 0.8 Nm |
| Tightening torque Union nut | 0.8 Nm |

Electrical properties

| | |
|-----------------------------|----------|
| Rated surge voltage (II/2) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated current | 5 A |
| Contact resistance | ≤ 5 mΩ |
| rated voltage (II/2) | 320 V |
| rated voltage (III/2) | 200 V |
| Rated voltage (III/3) | 125 V |
| Insulation resistance | ≥ 100 MΩ |

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| | |
|-----------------------|----------|
| Nominal voltage U_N | 125 V AC |
| | 125 V DC |
| Nominal current I_N | 5 A |

Material specifications

| | |
|--|-------------------|
| Color | black (RAL 9005) |
| Material Housing | PA |
| Material Contact | Steel |
| Material Contact surface | Sn |
| Flammability rating according to UL 94 | V0 |
| Material wire insulation | PVC/PE/TPE/rubber |

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 | 3.5 mm ... 6 mm |
| Wire diameter including insulation | 0.7 mm ... 1.6 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) (male connector/female connector) | -40 °C ... 80 °C |
| Temperature when conductor connected | -5 °C ... 50 °C |
| Ambient temperature (storage/transport) | -40 °C ... 80 °C |

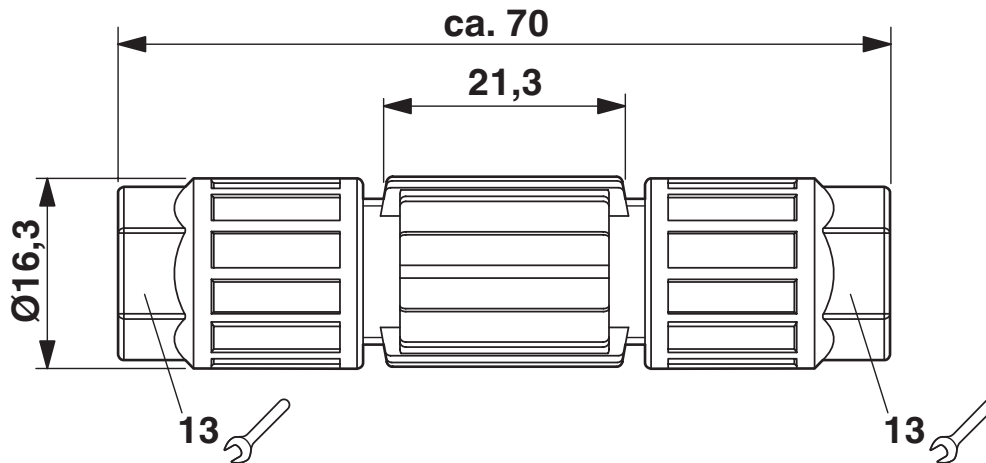
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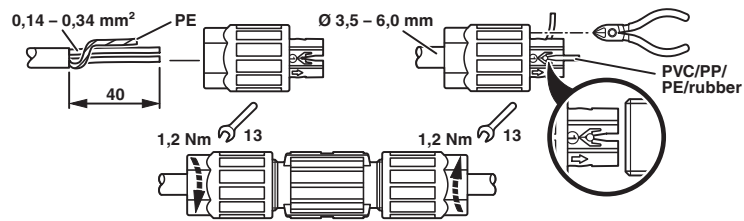
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Drawings

Dimensional drawing



Functional drawing



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Approvals

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EAC

Approval ID: RU C-DE.AI30.B.01102



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Classifications

ECLASS

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

ETIM

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

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 0.152 kg CO2e |
|---------|---------------|

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