# CK1,6-ED-1,00BU AU - Crimp contact

1674943

https://www.phoenixcontact.com/us/products/1674943

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.



Crimp contact, Socket, turned, contact diameter: 1.6 mm, rated current: 10 A, connection cross section: 0.75 $mm^2$ ... 1 $mm^2$, AWG 18...18 , contact material: Cu alloy

## Commercial data

| | |
|---|---|
| Item number | 1674943 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | BF65 |
| Product key | AF7AIA |
| GTIN | 4017918135645 |
| Weight per piece (including packing) | 0.629 g |
| Weight per piece (excluding packing) | 0.629 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Notes

| | |
|---|---|
| Note on application | for HC-M-12, HC-M-17, HC-M-03/04, HC-M-EMV, HC-D, HC-DD, HC-Q, and VC-D contact carriers |
| Note on application | The quality of a crimp connection is determined by DIN EN 60352-2. |
| Notes on the product family | For voltages less than 5 V and currents less than 5 mA, gold-plated contacts are recommended. |
| Notes on connection | Note on crimp connection technology:<br><br>For flexible wires only. The specified conductor cross-sections refer to the nominal cross-section of the cable used.<br><br>The wiring space of the crimp connection technology is designed for fine-stranded cables in accordance with VDE 0295 Class 5. Deviating cable structures (e.g., Class 1.2 and 6 or AWG cables) should be checked before use. |

### Product properties

| | |
|---|---|
| Product type | Crimp contact |
| Contact material type | turned |

### Connection data

Connection technology

| | |
|---|---|
| Contact connection type | Socket |
| Connection method | Crimp connection |

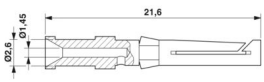
Conductor connection

| | |
|---|---|
| Stripping length | 8 mm |
| Connection cross section (flexible) | 0.75 mm² ... 1 mm² |
| Connection cross section | 1 mm² ... 1 mm² |
| Connection cross section AWG | 18 ... 18 |

### Material specifications

| | |
|---|---|
| Material Contact | Cu alloy |
| Material Contact surface | Au |

### Dimensions

| | |
|---|---|
| Dimensional drawing |  |
| Diameter (Contact diameter) | 1.6 mm |

### Electrical properties

| | |
|---|---|
| Rated current | 10 A (Take into account the derating of the contact insert used. The rated current corresponds to the maximum possible |

| | |
|---|---|
| | connection cross-section.) |

## Mechanical properties

Mechanical data

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

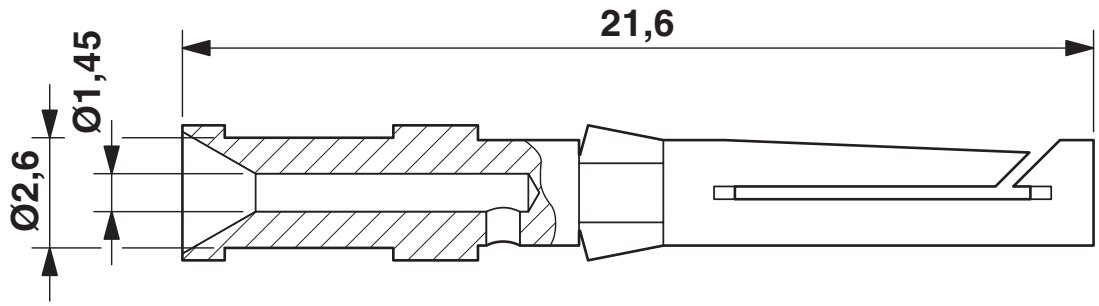
## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Ambient temperature (operation) | -40 °C ... 125 °C |

## Drawings

Dimensional drawing




Dimensional drawing

## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1674943

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

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27440204 |
| ECLASS-15.0 | 27440204 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC000796 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121500 |

## 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 | 0.205 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