

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



1674943

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

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Crimp contact, contact diameter: 1.6 mm, turned, Socket, contact material: Copper alloy, contact surface: gold-plated, connection cross section: 1 mm<sup>2</sup> ... 1 mm<sup>2</sup>, AWG 18

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 1674943             |
| Packing unit                         | 100 pc              |
| Minimum order quantity               | 100 pc              |
| Sales key                            | BF65                |
| Product key                          | BF7AIA              |
| Catalog page                         | Page 507 (C-2-2019) |
| GTIN                                 | 4017918135645       |
| Weight per piece (including packing) | 0.667 g             |
| Weight per piece (excluding packing) | 0.667 g             |
| Customs tariff number                | 85366990            |
| Country of origin                    | DE                  |

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## Technical data

### Notes

|         |                                                                                          |
|---------|------------------------------------------------------------------------------------------|
| General | 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 |
|---------|------------------------------------------------------------------------------------------|

### Mounting

|               |                                                                                                                                                       |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Assembly note | At voltages of < 5 V and currents < 5 mA, gold-plated contacts are recommended.<br>The quality of a crimp connection is determined by DIN EN 60352-2. |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### Product properties

|                       |                           |
|-----------------------|---------------------------|
| Product type          | Crimp contact             |
| Series                | HC-M-12                   |
|                       | HC-M-EMV                  |
|                       | HC-D                      |
|                       | HC-DD                     |
|                       | VC-D                      |
|                       | HC-M-03/04                |
|                       | HC-M-17                   |
|                       | HC-K                      |
|                       | HC-Q                      |
|                       | HC-COM                    |
|                       | HC-M-42                   |
|                       | HC-M-08-MBIT              |
| Type                  | Individual female contact |
| Contact material type | turned                    |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 03 |
|------------------|----|

### Connection data

|                                         |                    |
|-----------------------------------------|--------------------|
| Connection method                       | Crimp connection   |
| Contact connection type                 | Socket             |
| Connection technology                   | Crimp connection   |
| Conductor cross section                 | 1 mm² ... 1 mm²    |
| Connection cross section AWG            | 18                 |
| Stripping length of the individual wire | 8 mm               |
| Conductor cross section flexible        | 0.75 mm² ... 1 mm² |

### Material specifications

|                          |              |
|--------------------------|--------------|
| Contact material         | Copper alloy |
| Contact surface material | gold-plated  |

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## Dimensions

### Mechanical characteristics

|                  |        |
|------------------|--------|
| Contact diameter | 1.6 mm |
|------------------|--------|

## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

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

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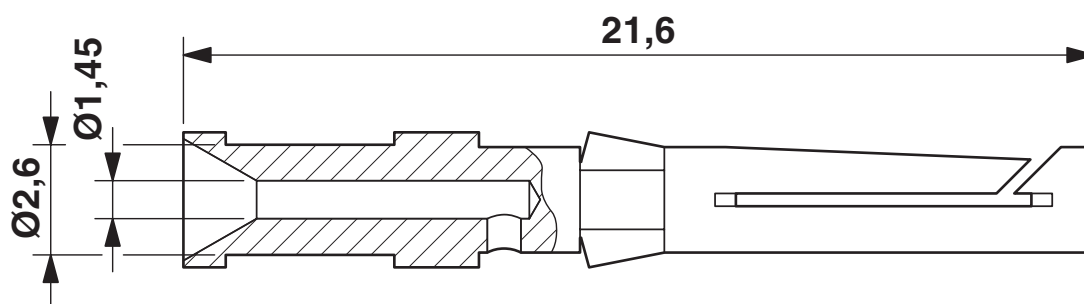
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## Drawings

Dimensional drawing



Dimensional drawing

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## 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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440204 |
| ECLASS-12.0 | 27440204 |
| ECLASS-13.0 | 27440204 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000796 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 6(c)                                                                                                                                                                                                                              |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | Lead(CAS: 7439-92-1)                                                                                                                                                                                                              |
| SCIP                                    | 270d4093-b4ed-41df-9063-935bd4a1b27b                                                                                                                                                                                              |

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