

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



1674943

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

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Crimp contact, series: HC-M-12, Socket, turned, contact diameter: 1.6 mm, connection cross section: 0.75 mm<sup>2</sup> ... 1 mm<sup>2</sup>, 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) | 0.667 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   |
| Assembly note | The quality of a crimp connection is determined by DIN EN 60352-2.   |
| Assembly note | For voltages less than 5 V and currents less than 5 mA, gold-plated contacts are recommended.  |
| Assembly note | <p>Note on crimp connection technology:</p> <p>For flexible wires only. The specified conductor cross-sections refer to the nominal cross-section of the cable used.</p> <p>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.</p> |

### 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          |               |
| 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 mm <sup>2</sup> ... 1 mm <sup>2</sup> |
| Connection cross section            | 1 mm <sup>2</sup> ... 1 mm <sup>2</sup>    |
| Connection cross section AWG        | 18 ... 18                                  |

### Material specifications

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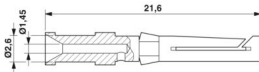


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|                          |          |
|--------------------------|----------|
| Material Contact         | Cu alloy |
| Material Contact surface | Au       |

## Dimensions

|                             |  |
|-----------------------------|--|
| Dimensional drawing         |  |
| Diameter (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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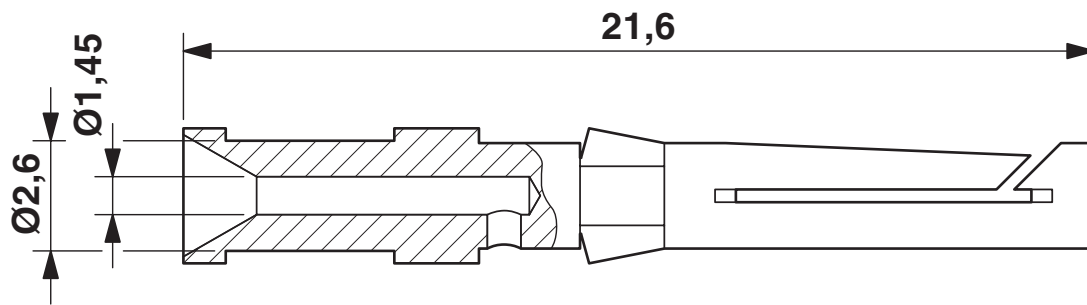


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## Drawings

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

### ETIM

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

### UNSPSC

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

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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 | 0.205 kg CO2e |
|---------|---------------|

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