

# CK4,0-ED-10,00ST AG - Crimp contact



1586198

<https://www.phoenixcontact.com/us/products/1586198>

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Crimp contact, Pin, turned, contact diameter: 4 mm, rated current: 40 A, connection cross section: 10 mm<sup>2</sup> ... 10 mm<sup>2</sup>, AWG 8...8 , contact material: Cu alloy

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1586198       |
| Packing unit                         | 25 pc         |
| Minimum order quantity               | 25 pc         |
| Sales key                            | BF65          |
| Product key                          | AF7AIE        |
| GTIN                                 | 4046356360234 |
| Weight per piece (including packing) | 3.116 g       |
| Weight per piece (excluding packing) | 3.06 g        |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                             |                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on the product family | for HC-M-02, HC-M-03, HC-M-03/04, HC-M-04, HC-Q02, HC-Q03, HC-Q04, and HC-COM-Q4/2 contact carriers                                                                                                                                                                                                                                                                                                          |
| Assembly note               | The quality of a crimp connection is determined by DIN EN 60352-2.                                                                                                                                                                                                                                                                                                                                           |
| 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 |
| Contact material type | turned        |

### Connection data

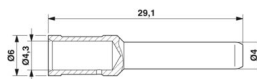
|                         |                  |
|-------------------------|------------------|
| Connection technology   |                  |
| Contact connection type | Pin              |
| Connection method       | Crimp connection |

|                              |                                            |
|------------------------------|--------------------------------------------|
| Conductor connection         |                                            |
| Stripping length             | 15 mm (For wire $\varnothing \geq 4.3$ mm) |
|                              | 18 mm (For wire $\varnothing \geq 6.4$ mm) |
| Connection cross section     | 10 mm <sup>2</sup> ... 10 mm <sup>2</sup>  |
| Connection cross section AWG | 8 ... 8                                    |

### Material specifications

|                          |          |
|--------------------------|----------|
| Material Contact         | Cu alloy |
| Material Contact surface | Ag       |

### Dimensions

|                             |                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing         |  |
| Diameter (Contact diameter) | 4 mm                                                                                 |

### Electrical properties

|               |                                                                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated current | 40 A (Take into account the derating of the contact insert used. The rated current corresponds to the maximum possible connection cross-section.) |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|

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## Mechanical properties

### Mechanical data

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

## Environmental and real-life conditions

### Ambient conditions

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

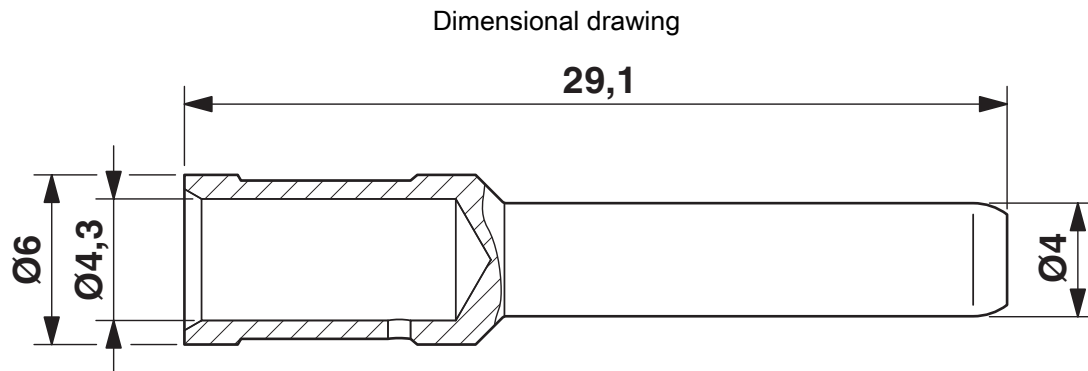
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## Drawings



Dimensional drawing

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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 | 0.087 kg CO2e |
|---------|---------------|

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