

# CK8,0-ED-16,00M AG - Crimp contact



1550050

<https://www.phoenixcontact.com/us/products/1550050>

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Crimp contact, series: HC-M-...-35, Pin, turned, contact diameter: 8 mm, rated current: 100 A, connection cross section: 16 mm<sup>2</sup> ... 16 mm<sup>2</sup>, AWG 6...6 , contact material: Cu alloy

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1550050       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 10 pc         |
| Sales key                            | BF65          |
| Product key                          | AF7AIG        |
| GTIN                                 | 4067923025455 |
| Weight per piece (including packing) | 18.41 g       |
| Weight per piece (excluding packing) | 18.41 g       |
| Customs tariff number                | 85366990      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on the product family | for HC-M-...-35 contact carriers                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Note on application         | The quality of a crimp connection is determined by DIN EN 60352-2.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Assembly note               | The contacts are qualified for crimping dies in accordance with DIN 46235. Klauke, for example, offers an appropriate tool: Crimping dies from the D22 series are required for the EKM6022 battery-powered hydraulic crimping pliers. Due to the narrow crimping width of 5 mm, it is very important to make two compressions next to one another. For the EK12042 model, crimping dies from the HD13 series are required. Due to a wider crimping process, only one compression is required. |
| Note on application         | <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-...-35   |
| Contact material type | turned        |

### Connection data

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

|                              |                                           |
|------------------------------|-------------------------------------------|
| Conductor connection         |                                           |
| Stripping length             | 19 mm                                     |
| Connection cross section     | 16 mm <sup>2</sup> ... 16 mm <sup>2</sup> |
| Connection cross section AWG | 6 ... 6                                   |

### Material specifications

|                          |                      |
|--------------------------|----------------------|
| Material Contact         | Cu alloy (lead-free) |
| Material Contact surface | Ag                   |

### Dimensions

|                             |      |
|-----------------------------|------|
| Diameter (Contact diameter) | 8 mm |
|-----------------------------|------|

### Electrical properties

|               |                                                                                                                          |
|---------------|--------------------------------------------------------------------------------------------------------------------------|
| Rated current | 100 A (Take into account the derating of the contact insert used. The rated current corresponds to the maximum possible) |
|---------------|--------------------------------------------------------------------------------------------------------------------------|

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|  |                            |
|--|----------------------------|
|  | 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 |

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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%               |

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