

CK2,5-ED-0,50BU AG - Crimp contact



1663640

<https://www.phoenixcontact.com/us/products/1663640>

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Crimp contact, series: HC-M-06, Socket, turned, contact diameter: 2.5 mm, rated current: 16 A, connection cross section: 0.5 mm² ... 0.5 mm², AWG 20...20, contact material: Cu alloy

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1663640 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | BF65 |
| Product key | AF7AID |
| GTIN | 4017918123451 |
| Weight per piece (including packing) | 1.608 g |
| Weight per piece (excluding packing) | 1.608 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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Technical data

Notes

| | |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on the product family | for HC-M-06..., HC-M-HV-, HC-M-08-, HC-M-20-, HC-A..., HC-B.., HC-BB..., HC-BBB..., and HC-HV 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 |
| Series | HC-M-06 HC-M-HV HC-M-08 HC-A HC-BB HC-B HC-HV HC-M-20 HC-K HC-BBB HC-Q HC-COM |
| Contact material type | turned |

Connection data

Connection technology

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

Conductor connection

| | |
|------------------------------|---------------------------------------------|
| Stripping length | 7.5 mm (9.5 mm at HC-M-HV...) |
| Connection cross section | 0.5 mm ² ... 0.5 mm ² |
| Connection cross section AWG | 20 ... 20 |

Material specifications

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

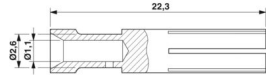
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Dimensions

| | |
|-----------------------------|------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Diameter (Contact diameter) | 2.5 mm |

Electrical properties

| | |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated current | 16 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 |
|---------------------------------|-------------------|

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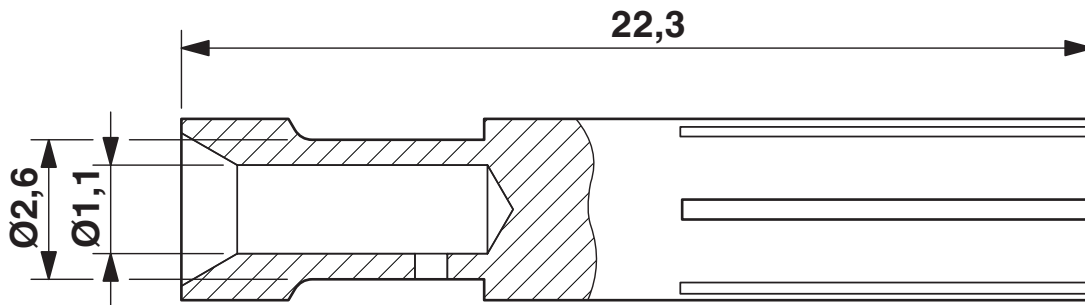
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Drawings

Dimensional drawing



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 | 0.025 kg CO2e |
|---------|---------------|

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