

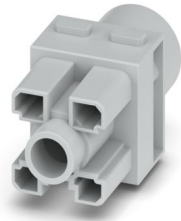
HC-M-01-CT-F-120 - Contact insert module



1683513

<https://www.phoenixcontact.com/us/products/1683513>

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Contact insert module, number of positions: 1, power contacts: 1, control contacts: 0, Socket, Crimp connection, 1000 V, 300 A, 95 mm² ... 120 mm², application: Power, without crimp contacts

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1683513 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF65 |
| Product key | AF7ACE |
| GTIN | 4067923238817 |
| Weight per piece (including packing) | 22.22 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85389099 |
| Country of origin | DE |

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Technical data

Mounting

| | |
|---------------|---|
| Assembly note | To ensure correct use, installation in housing with IP54 protection or better is required |
|---------------|---|

Product properties

| | |
|-------------------------|------------------------|
| Product type | Modular contact insert |
| Series | HC-M-01 |
| Application | Power |
| Number of positions | 1 |
| Connection profile | 1 |
| Number of module slots | 2 |
| No. of power contacts | 1 |
| No. of control contacts | 0 |
| Contact material type | turned |

Connection data

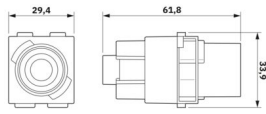
Connection technology

| | |
|-----------------------|------------------|
| Connection technology | Crimp connection |
|-----------------------|------------------|

Conductor connection

| | |
|------------------------------|--|
| Conductor cross-section | 95 mm ² ... 120 mm ² (The cross section specification refers to the geometric cross section of the cable used) |
| Connection cross section AWG | 3/0 ... 4/0 (The cross section specification refers to the geometric cross section of the cable used) |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34 mm |
| Height | 61.9 mm |
| Length | 29.5 mm |

Mechanical characteristics

| | |
|------------------|--------|
| Contact diameter | 9.5 mm |
|------------------|--------|

Electrical properties

| | |
|-----------------------|--------|
| Rated voltage (III/3) | 1000 V |
| Rated surge voltage | 8 kV |
| Rated current | 300 A |

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Mechanical properties

Mechanical data

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

Material specifications

| | |
|--------------------------|--------------|
| Contact material | Copper alloy |
| Contact surface material | Ag |
| Contact carrier material | PC |
| Standards/regulations | PC |

Environmental and real-life conditions

Ambient conditions

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

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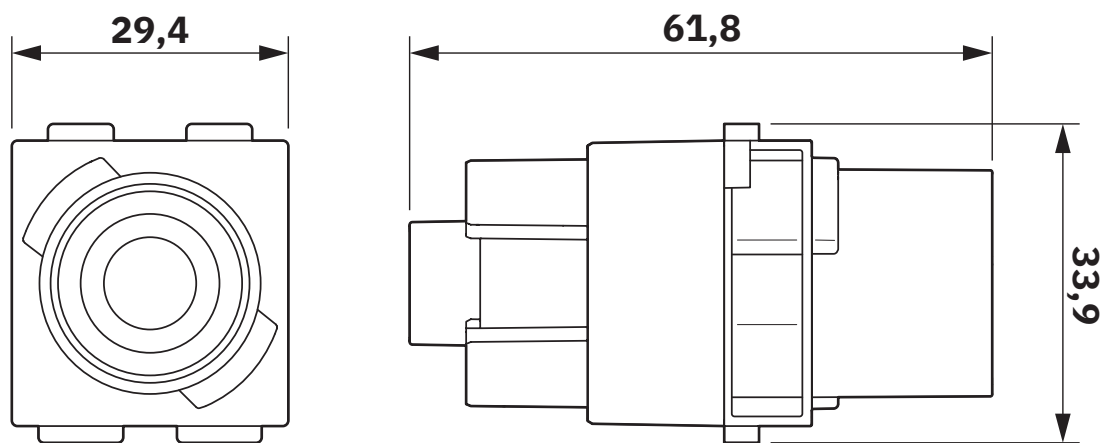


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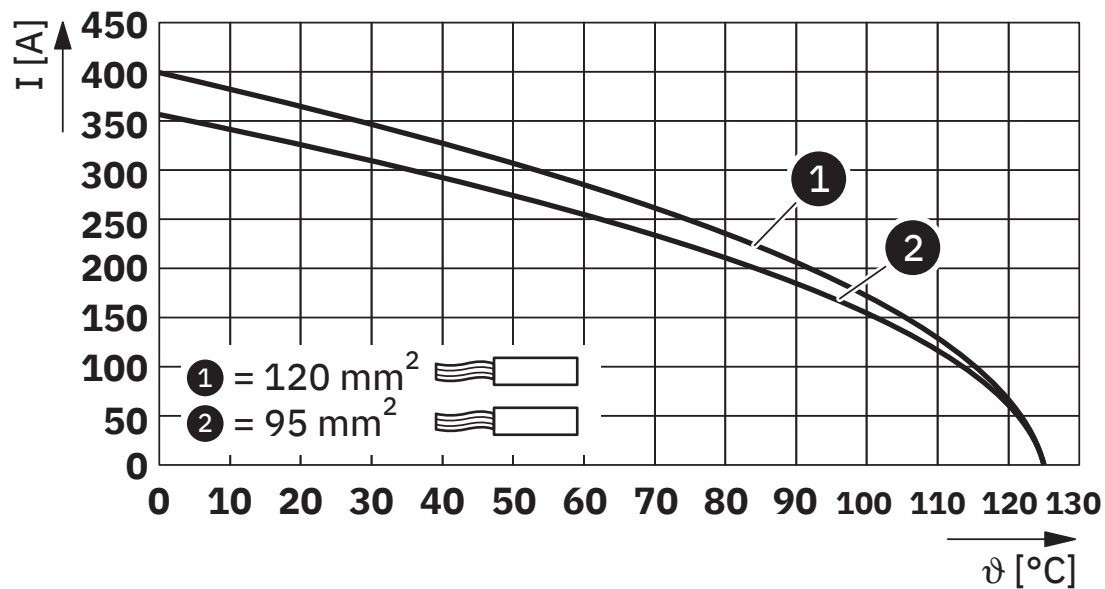
Drawings

Dimensional drawing



Female insert

Diagram



Derating diagram calculated with derating factor 0.9

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440217 |
| ECLASS-15.0 | 27440217 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC000438 |
|-----------|----------|

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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com