

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Contact insert module, number of positions: 2, power contacts: 2, control contacts: 0, Socket, Crimp connection, 830 V, 40 A, 1.5 mm² ... 10 mm², application: Power

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1414361 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF62 |
| Product key | AF7ACE |
| GTIN | 4055626025049 |
| Weight per piece (including packing) | 10.423 g |
| Weight per piece (excluding packing) | 10.423 g |
| Customs tariff number | 85389099 |
| Country of origin | PL |

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

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-02 |
| Application | Power |
| Number of positions | 2 |
| Connection profile | 2 |
| Contact numbering | 1 - 2 |
| Number of module slots | 1 |
| No. of power contacts | 2 |
| No. of control contacts | 0 |
| Contact material type | turned |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution | 3 |

Connection data

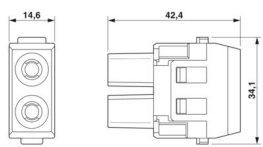
Connection technology

| | |
|----------------------------------|------------------|
| Connection technology | Crimp connection |
| Connection in acc. with standard | IEC / EN |

Conductor connection

| | |
|---|---|
| Conductor cross-section | 1.5 mm ² ... 10 mm ² |
| Connection cross section AWG | 16 ... 8 |
| Stripping length of the individual wire | 9 mm (for 1.5 mm ² ... 2.5 mm ²) |
| | 14 mm (for 4 mm ² ... 6 mm ²) |
| | 14 mm (for 10 mm ²) |

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 34.2 mm |
| Height | 42.4 mm |
| Length | 14.6 mm |

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

Mechanical characteristics

| | |
|------------------|------|
| Contact diameter | 4 mm |
|------------------|------|

Electrical properties

| | |
|--------------------------------|----------------|
| Rated voltage (III/2) contacts | 1000 V |
| Rated voltage (III/3) | 830 V |
| Rated surge voltage (III/2) | 8 kV |
| Rated surge voltage (III/3) | 8 kV |
| Rated surge voltage | 8 kV |
| Rated current | 40 A |
| SCCR | 5 kA (UL 2237) |

Mechanical properties

Mechanical data

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

Material specifications

| | |
|--|--------------|
| Flammability rating according to UL 94 | V0 |
| 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 |
|---------------------------------|-------------------|

Standards and regulations

Testing

| | |
|-----------------------|---|
| Standards/regulations | PC: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3) |
|-----------------------|---|

HC-M-02-CT-F - Contact insert module

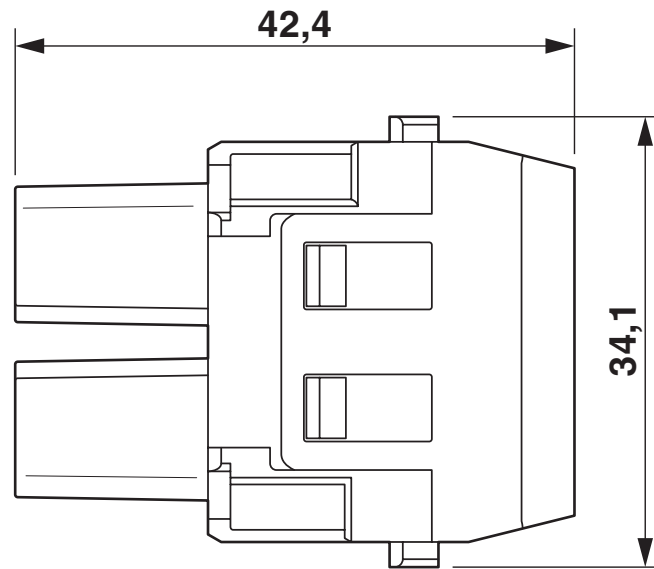
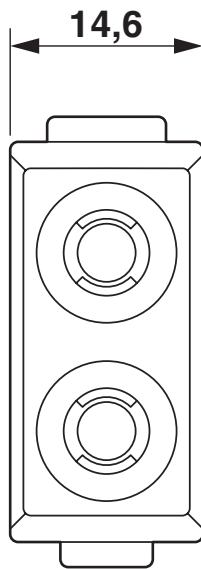


1414361

<https://www.phoenixcontact.com/us/products/1414361>

Drawings

Dimensional drawing



Female insert

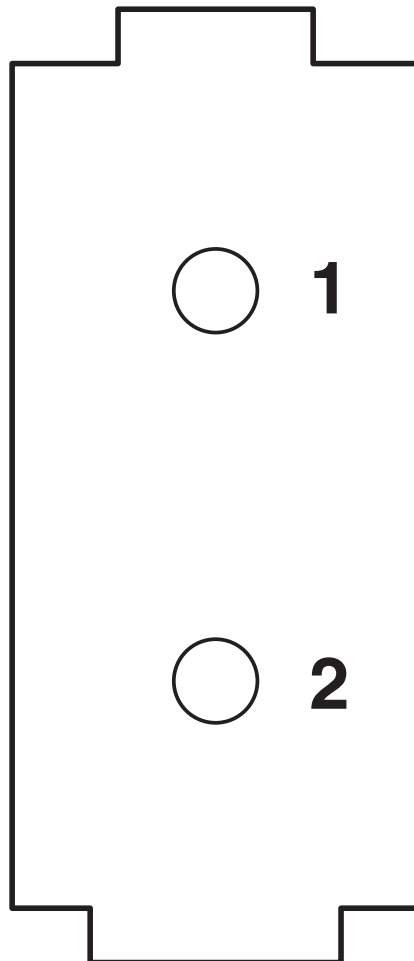
HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

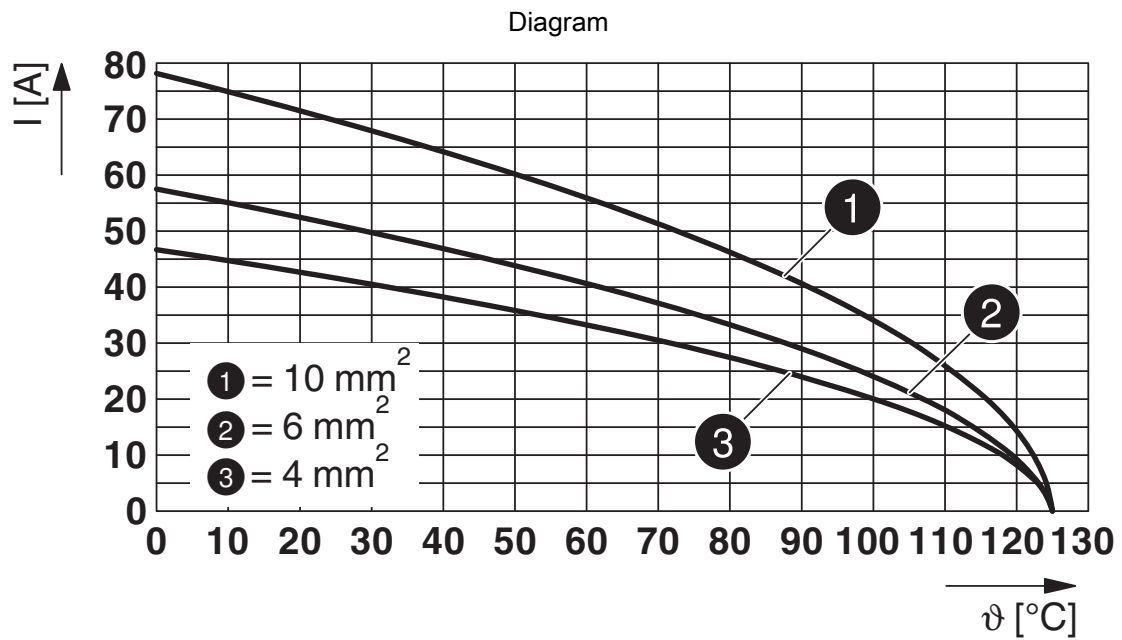
Schematic diagram



Connector pin assignment, connection side

1414361

<https://www.phoenixcontact.com/us/products/1414361>



Derating diagram

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1414361>

DNV

Approval ID: TAE000037S



CSA

Approval ID: 158887

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 34 A | - 10 | - |



UL Recognized

Approval ID: E118976

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 42 A | - 10 | - |



UL Recognized

Approval ID: E468743

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine | | | | |
| | 600 V | 42 A | - | - |

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

Classifications

ECLASS

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

ETIM

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

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

HC-M-02-CT-F - Contact insert module



1414361

<https://www.phoenixcontact.com/us/products/1414361>

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 | 0.07 kg CO2e |
|---------|--------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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