

HC-COM-Q4/2-I-CT-F - Contact insert



1079556

<https://www.phoenixcontact.com/us/products/1079556>

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Contact insert, number of positions: 4+2+PE, size: COM, power contacts: 4, control contacts: 2, number of connections per position: 1, Socket, Crimp connection, 400 V, 40 A, 1.5 mm² ... 6 mm², application: Power/signal

Product description

Contact insert, incl. 4 mounting screws

Your advantages

- Shock and vibration-resistant in accordance with DIN EN 61373

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1079556 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF61 |
| Product key | AF7ABH |
| GTIN | 4055626800349 |
| Weight per piece (including packing) | 23 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85389099 |
| Country of origin | CN |

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Technical data

Mounting

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

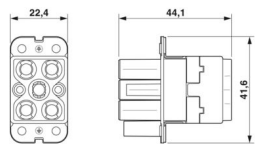
Product properties

| | |
|------------------------------------|--|
| Product type | Contact insert with a fixed no. of positions |
| Series | HC-COM |
| Application | Power/signal |
| Type | COM |
| Number of positions | 6 |
| Connection profile | 4+2+PE |
| Contact numbering | 1 - 4 (power contacts) 11 - 12 (control contacts) |
| Number of connections per position | 1 |
| No. of power contacts | 4 |
| No. of control contacts | 2 |
| Contact material type | turned |

Insulation characteristics

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

Dimensions

| | |
|---------------------|--|
| Dimensional drawing |  |
| Width | 22.4 mm |
| Height | 44.1 mm |
| Length | 41.6 mm |

Mechanical characteristics

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

Connection data

Connection technology

| | |
|------------------------------------|---|
| Connection technology | Crimp connection (power contacts) Crimp connection (control contacts) Crimp connection (PE contact) |
| Number of connections per position | 1 |
| Connection in acc. with standard | IEC / EN |

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Conductor connection

| | |
|---|--|
| Conductor cross-section | 1.5 mm ² ... 6 mm ² (power contacts) |
| | 0.14 mm ² ... 2.5 mm ² (control contacts) |
| Connection cross section AWG | 16 ... 10 (power contacts) |
| | 26 ... 14 (control contacts) |
| Tightening torque | 0.5 Nm ... 0.8 Nm (Mounting screws for mounting in the HEAVYCON housing) |
| Stripping length of the individual wire | 9 mm (for 1.5 mm ² ... 2.5 mm ²) |
| | 9.6 mm (Power 4 ... 6 mm ²) |
| | 8 mm (Control circuit) |
| | 6 mm (Signal 2.5 mm ²) |

Electrical properties

| | |
|----------------------------------|-------------------------------------|
| Rated voltage (III/3) | 400 V (Phase-ground power contacts) |
| | 690 V (Phase-phase power contacts) |
| | 250 V (control contacts) |
| Rated voltage for power contacts | 400/690 V |
| | 250 |
| Rated surge voltage | 6 kV (Phase-phase power contacts) |
| | 4 kV (control contacts) |
| Rated current | 40 A (power contacts) |
| | 10 A (control contacts) |

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 (alternatively Au) |
| Contact carrier material | PC |
| Material of contact surface, power contact | Ag |
| Material of contact surface, control contact | Ag (alternatively Au) |
| Standards/regulations | PC |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -40 °C ... 125 °C (including heating up of contacts) |
|---------------------------------|--|

Standards and regulations

Testing

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Standards/regulations

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

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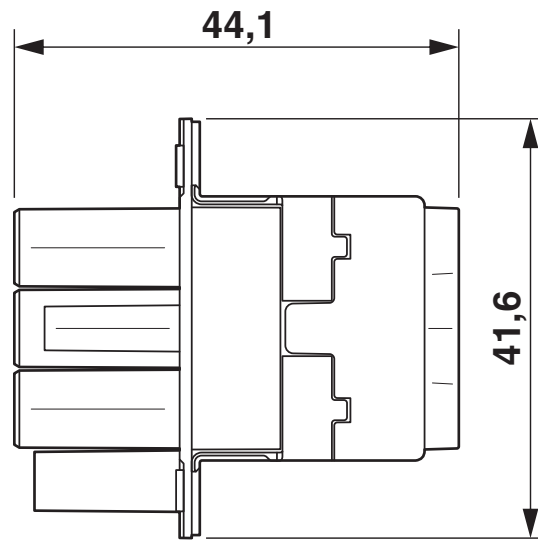
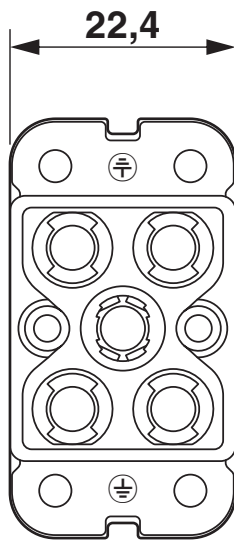


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Drawings

Dimensional drawing



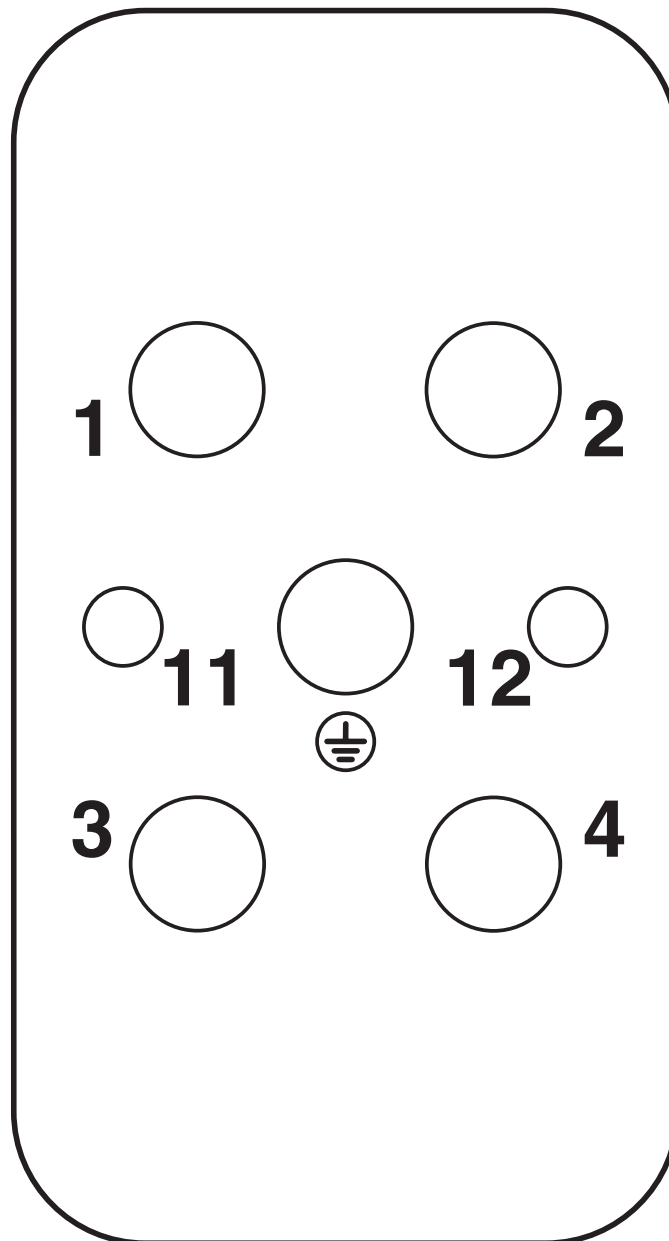
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Schematic diagram



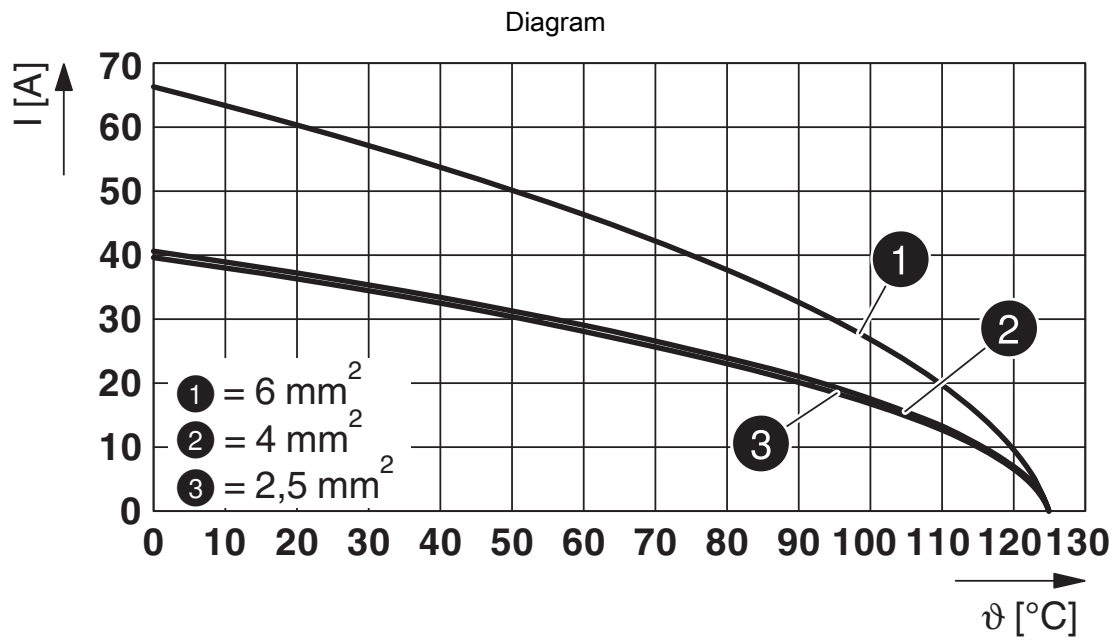
Connector pin assignment, connection side

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Derating diagram

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1079556>



UL Recognized

Approval ID: E468743

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440205 |
| ECLASS-15.0 | 27440205 |

ETIM

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

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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