

HCC 4-FC - Female insert

1600030

<https://www.phoenixcontact.com/pc/products/1600030>

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Female insert, nom. voltage: 400 V, nominal current: 13.5 A, number of connections: 10, number of positions: 10, connection method: Crimp connection, Rated cross section: 1.5 mm², cross section: 0.2 mm² - 4 mm², mounting type: direct screw connection, color: gray



Your advantages

- Sturdy strain relief for plug and socket
- Touch proof, even when unplugged

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1600030 |
| Packing unit | 50 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Product key | BE1ZWX |
| Catalog page | Page 439 (C-3-2013) |
| GTIN | 4017918021764 |
| Weight per piece (including packing) | 12.46 g |
| Weight per piece (excluding packing) | 11.88 g |
| Customs tariff number | 85472000 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------------|-----------------------------|
| Product type | High current terminal block |
| Number of positions | 10 |
| Pitch | 7.62 mm |
| Number of connections | 10 |
| Number of rows | 1 |
| Potentials | 10 |

Insulation characteristics

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

Electrical properties

| | |
|---|--------|
| Rated surge voltage | 6 kV |
| Maximum power dissipation for nominal condition | 0.77 W |

Connection data

| | |
|---|--|
| Number of connections per level | 10 |
| Nominal cross section | 2.5 mm ² |
| Connection in acc. with standard | IEC 61984 |
| Conductor cross section rigid | 0.2 mm ² ... 4 mm ² |
| Cross section AWG | 24 ... 12 (converted acc. to IEC) |
| Conductor cross section flexible | 0.2 mm ² ... 4 mm ² |
| Conductor cross section, flexible [AWG] | 24 ... 12 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| Flexible conductor cross section (ferrule with plastic sleeve) | 0.25 mm ² ... 4 mm ² |
| 2 conductors with same cross section, solid | 0.2 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, flexible | 0.2 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.25 mm ² ... 1.5 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 2.5 mm ² |
| Nominal current | 13.5 A |
| Maximum load current | 13.5 A (with STG-MTN 0,5-1,0 contact) 20 A (with STG-MTN 1,5-2,5 contact) |
| Nominal voltage | 400 V |
| Nominal cross section | 1.5 mm ² |

Dimensions

| | |
|--------------------|---------|
| Width | 92 mm |
| Height | 27.6 mm |
| Depth | 17 mm |
| Drill hole spacing | 83 mm |

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| | |
|-------|---------|
| Pitch | 7.62 mm |
|-------|---------|

Material specifications

| | |
|--|-----------------|
| Color | gray (RAL 7042) |
| Flammability rating according to UL 94 | V2 |
| Insulating material group | I |
| Insulating material | PA |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Technical data

| | |
|--------------------|-------|
| Drill hole spacing | 83 mm |
|--------------------|-------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|--|
| Ambient temperature (operation) | -60 °C ... 110 °C (Operating temperature range incl. self-heating; for max. short-term operating temperature, see RTI Elec.) |
| Ambient temperature (storage/transport) | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Ambient temperature (assembly) | -5 °C ... 70 °C |
| Ambient temperature (actuation) | -5 °C ... 70 °C |
| Permissible humidity (operation) | 20 % ... 90 % |
| Permissible humidity (storage/transport) | 30 % ... 70 % |

Standards and regulations

| | |
|----------------------------------|-----------|
| Connection in acc. with standard | IEC 61984 |
|----------------------------------|-----------|

Mounting

| | |
|---------------|-------------------------|
| Mounting type | direct screw connection |
|---------------|-------------------------|

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Drawings

Circuit diagram



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141190 |
| ECLASS-12.0 | 27141190 |
| ECLASS-13.0 | 27141190 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002848 |
|----------|----------|

UNSPSC

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

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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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