

# HCC 4-FC - Female insert

1600030

<https://www.phoenixcontact.com/us/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 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, 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	50 pc
Note	Made to order (non-returnable)
Sales key	BE19
Product key	BE1ZWX
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 <sup>2</sup>
Connection method	Crimp connection
Connection in acc. with standard	IEC 61984
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Cross section AWG	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	24 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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 <sup>2</sup>

### Dimensions

Width	92 mm
Height	27.6 mm
Depth	17 mm

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Drill hole spacing	83 mm
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
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## Mounting

Mounting type	direct screw connection
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## Drawings

Circuit diagram



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## Classifications

### ECLASS

ECLASS-13.0	27141190
ECLASS-15.0	27141190

### ETIM

ETIM 9.0	EC004591
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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