

# Printed-circuit board connector - FKC 2,5 HC/ 3-STF-5,08 - 1942497

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Plug component, Nominal current: 16 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5.08 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin, COMBICON connectors may only be activated under no load conditions. If for operating reasons small loads must be switched, experimental values are available upon request.

The figure shows a 10-position version of the product

## Product Features

- Two integrated test connections
- HC plugs may only be used with HC base strips
- Coding profiles (CP) as protection against mismatching
- Inverted versions with pin contact (FKIC 2,5 HC); e.g., for cable/cable connections or motor outputs
- Push-in spring-cage plug as a "High Current" (HC) version for 16 A

## Key commercial data

package_quantity	50
GTIN	4017918880262

## Technical data

### Dimensions

Pitch	5.08 mm
Dimension a	10.16 mm

### General

Range of articles	FKC 2,5 HC/...-STF
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	16 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	16 A (with 2.5 mm <sup>2</sup> conductor cross section)

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## Technical data

### General

Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm
Number of positions	3

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

## classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

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## classifications

### UNSPSC

<b>UNSPSC 6.01</b>	30211810
<b>UNSPSC 7.0901</b>	39121409
<b>UNSPSC 11</b>	39121409
<b>UNSPSC 12.01</b>	39121409
<b>UNSPSC 13.2</b>	39121409

## approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / IECCE CB Scheme / GOST / CCA / cULus Recognized /

### Approval details

<b>UL Recognized</b>		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	16 A	10 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

<b>VDE Gutachten mit Fertigungsüberwachung</b>	
Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5

<b>cUL Recognized</b>		
Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	16 A	10 A
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

<b>GOST</b>
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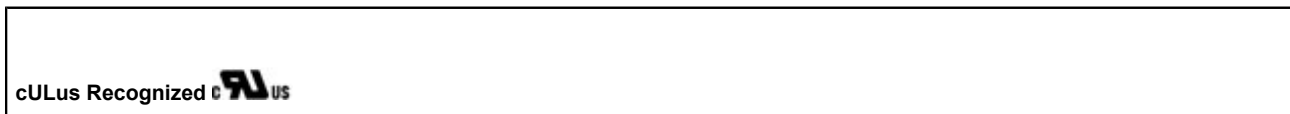
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approvals

<b>IECEE CB Scheme</b>	
Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5



<b>CCA</b>	
Nominal voltage UN	250 V
Nominal current IN	16 A
mm <sup>2</sup> /AWG/kcmil	0.2-2.5



accessories

**Coding element**

CP-MSTB - 1734634



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**Test plug terminal block**

RPS - 0201647



# Printed-circuit board connector - FKC 2,5 HC/ 3-STF-5,08 - 1942497

accessories

## Screwdriver tools

SZS 0,6X3,5 - 1205053



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## Terminal marking

SK 5,08/3,8:UNBEDRUCKT - 0805412



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## Labeled terminal marker

SK 5,08/3,8: 0-9 - 0804303



SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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## Insulating sleeve

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## accessories

MPS-IH BU - 0201689



MPS-IH BK - 0201731



MPS-IH YE - 0201692



MPS-IH YE - 0201692



MPS-IH GN - 0201702



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## accessories

SK 5,08/3,8:SO - 0805085



MPS-IH VT - 0201715



## Drawings

Dimensioned drawing

