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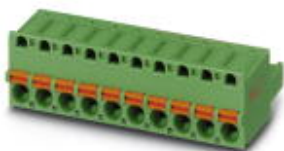
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# Printed-circuit board connector - FKC 2,5 HC/ 6-ST - 1942196

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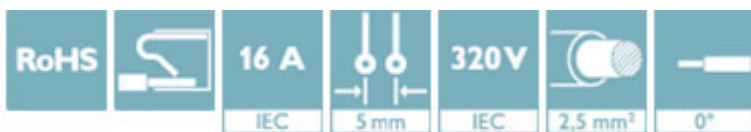
PCB connector, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 6, pitch: 5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin, COMBICON connectors may only be activated under no load conditions. If for operating reasons small loads must be switched, experimental values are available upon request.




The figure shows a 10-position version of the product

## Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- Optimized for tight installation situations: operation and conductor connection from one direction
- Quick and convenient testing using integrated test option



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 878122
GTIN	4017918878122

## Technical data

### Dimensions

Length [ l ]	25.73 mm
Width [ w ]	29.9 mm
Height [ h ]	15 mm
Pitch	5 mm
Dimension a	25 mm

### General

Range of articles	FKC 2,5 HC/...ST
Type of contact	Female connector
Number of positions	6

# Printed-circuit board connector - FKC 2,5 HC/ 6-ST - 1942196

## Technical data

### General

Connection method	Push-in spring connection
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 $I_N$	16 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	16 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm

### 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 flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG 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

### General information

Note	In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
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### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

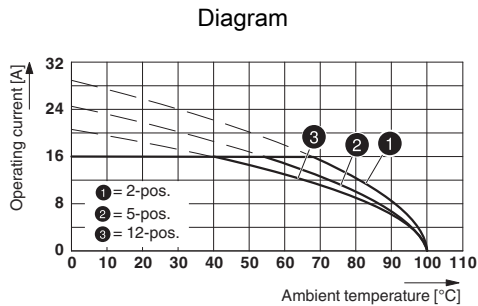
# Printed-circuit board connector - FKC 2,5 HC/ 6-ST - 1942196

## Technical data

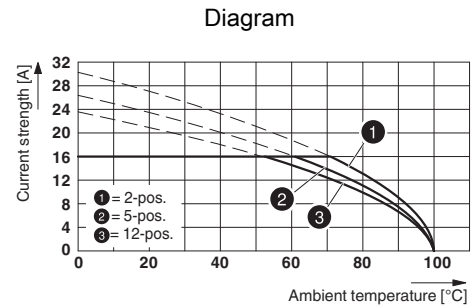
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

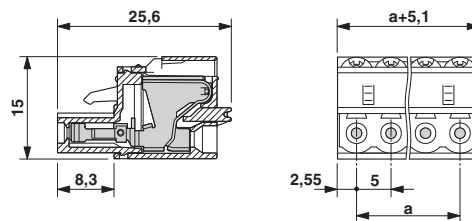


Derating curve for: FKC 2,5 HC/...-ST with MSTBA 2,5 HC/...-G



Type: FKC 2,5 HC/...-ST with MSTBVA 2,5 HC/...-G

### Dimensional drawing



## Approvals

### Approvals

Approvals


VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized / IECCEB Scheme

Ex Approvals


### Approval details


# Printed-circuit board connector - FKC 2,5 HC/ 6-ST - 1942196

## Approvals

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/ VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40004701
Nominal voltage UN		250 V	
Nominal current IN		16 A	
mm <sup>2</sup> /AWG/kcmil		0.2-2.5	

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19931011
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	16 A	
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-56062- M1-B1B2
Nominal voltage UN		250 V	
Nominal current IN		16 A	
mm <sup>2</sup> /AWG/kcmil		0.2-2.5	

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