

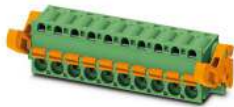
FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 16 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of rows: 1, number of positions: 8, product range: FKC 2,5 HC/..-ST-LR, pitch: 5.08 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, locking clip: - Locking clip, plug-in system: COMBICON MSTB 2,5 HC, locking: Snap-in locking, mounting: Lock & Release, type of packaging: packed in cardboard

Your advantages

- Time saving push-in connection, tools not required
- Intuitive use through colour coded actuation lever
- Quick and convenient testing using integrated test option
- Automatic locking and intuitive release through Lock and Release operating lever in contrasting color
- Defined contact force ensures that contact remains stable over the long term
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations

Commercial data

Item number	1193006
Packing unit	1 pc
Minimum order quantity	1,000 pc
Note	Made to order (non-returnable)
Sales key	AA03
Product key	AACFBC
GTIN	4063151245955
Weight per piece (including packing)	2.22 g
Weight per piece (excluding packing)	2.22 g
Customs tariff number	85366990
Country of origin	DE

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Technical data

Product properties

Product line	COMBICON Connectors M
Product type	PCB connector
Product family	FKC 2,5 HC/..-ST-LR
Number of positions	8
Pitch	5.08 mm
Number of rows	1

Electrical properties

Nominal current I_N	16 A
Nominal voltage U_N	320 V
Degree of pollution	3
Rated voltage (III/3)	320 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Rated voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV

Connection data

Connection technology

Connector system	COMBICON MSTB 2,5 HC
Nominal cross section	2.5 mm ²
Contact connection type	Socket

Interlock

Locking type	Snap-in locking
Mounting flange	Lock & Release

Conductor connection

Connection method	Push-in spring connection
Conductor/PCB connection direction	0 °
Conductor cross section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Cylindrical gauge a x b / diameter	2.8 mm x 2.0 mm / 2.0 mm
Stripping length	10 mm

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Material specifications

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)

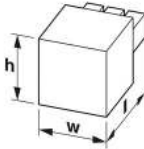
Material data - housing

Color (Housing)	green (6021)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Material data – actuating element

Color (Actuating element)	orange (2003)
Insulating material	PBT
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

Dimensions

Dimensional drawing	
Pitch	5.08 mm
Width [w]	50.16 mm
Height [h]	15 mm
Length [l]	33.52 mm

Mounting

Connection method	Push-in spring connection
-------------------	---------------------------

Notes

General	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.
--	--

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C

Electrical tests

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	I
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	320 V
Rated surge voltage (III/3)	4 kV
minimum clearance value - non-homogenous field (III/3)	3 mm
minimum creepage distance (III/3)	4 mm
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
minimum clearance value - non-homogenous field (III/2)	3 mm
minimum creepage distance (III/2)	3 mm
Rated insulation voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
minimum clearance value - non-homogenous field (II/2)	3 mm
minimum creepage distance (II/2)	3.2 mm

Packaging specifications

Type of packaging	packed in cardboard
-------------------	---------------------

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1193006>



EAC

Approval ID: B.01687

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Classifications

ECLASS

ECLASS-11.0	27460202
ECLASS-12.0	27460202
ECLASS-13.0	27460202

ETIM

ETIM 8.0	EC002638
----------	----------

UNSPSC

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

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Environmental product compliance

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

FKC 2,5 HC/ 8-ST-5,08-LR - PCB connector



1193006

<https://www.phoenixcontact.com/us/products/1193006>

Accessories

CC 2,5/ 8-GF-5,08-LR P26THR - PCB connector

1792685

<https://www.phoenixcontact.com/us/products/1792685>



PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Socket, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: CC 2,5/..-GF-LR, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, conductor/PCB connection direction: 0 °, pin layout: Linear pinning, solder pin [P]: 2.6 mm, locking clip: - without locking clip, plug-in system: COMBICON MSTB 2,5, locking: Snap-in locking, mounting: Lock & Release ejector lever, type of packaging: packed in cardboard

CCV 2,5/ 8-GF-5,08-LR P26THR - PCB header

1792795

<https://www.phoenixcontact.com/us/products/1792795>



PCB headers, nominal cross section: 2.5 mm², color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: CCV 2,5/..-GF-LR, pitch: 5.08 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 2.6 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: Snap-in locking, mounting: Lock & release threaded flange, type of packaging: packed in cardboard

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road

Middletown, PA 17057, United States

(+717) 944-1300

info@phoenixcon.com