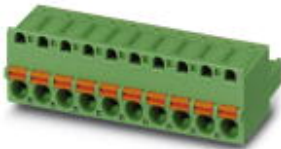


# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

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's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)

Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

## Product description


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

## Why buy this product

- For larger numbers of positions up to 24-pos., visit: [www.phoenixcontact.net/catalog](http://www.phoenixcontact.net/catalog)
- Can be combined with the MSTB 2,5 range
- Fast conductor connection thanks to Push-in spring-cage connection
- Two test connections for accommodating 2 mm Ø test pins or 2.3 mm Ø test plug
- Contacting of solid or stranded conductors with ferrules without actuating the opening lever directly in the terminal point



## Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 248 (CC-2011)
GTIN	 4 017918 175153
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	6.55 GRM
Country of origin	GERMANY

## Technical data

### Dimensions / positions

Pitch	5 mm
Dimension a	15 mm
Number of positions	4

### Technical data

Range of articles	FKC 2,5/..-ST
-------------------	---------------

# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

## Technical data

### Technical data

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/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	250 V
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	10 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

### 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.	2.5 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

# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

## Classifications

### eclass

eClass 4.0	272607xx
eClass 4.1	27260701
eClass 5.0	27260701
eClass 5.1	27260701
eClass 6.0	27260704

### etim

ETIM 3.0	EC001121
ETIM 4.0	EC002638

### unspsc

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Certificates

#### Certification

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

#### Certification EX

#### Certification submitted

### Approval details

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-12	24-12
Nominal current I <sub>N</sub>	12 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12

# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

## Approvals

	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

VDE report with production monitoring	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

GOST
------

IECEE CB Scheme	
mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

GOST
------

cULus Recognized
------------------

## Accessories

### Accessories

#### Assembly

Strain relief - STZ 4-FKC-5,08 - 1876877

Strain relief for snapping into the latching chambers of the plugs, 4-pos.



Strain relief - STZ 8-FKC-5,08 - 1876880

Strain relief for snapping into the latching chambers of the plug components, 8-pos.

# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

## Accessories

---

### Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type:

### Plug/Adapter

Coding profile - CP-MSTB - 1734634

Keying profile, is inserted into the slot on the plug or inverted header, red insulating material



Test plugs - MPS-MT - 0201744

Test plugs



Reducing plug - RPS - 0201647

Reducing plug, Color: gray



### Tools

Screwdriver - SZS 0,6X3,5 - 1205053

Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-co



### Additional products

## Printed-circuit board connector - FKC 2.5/4-ST - 1910377

### Accessories

Base strip - DFK-MSTB 2,5/ 4-G - 0707125



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Connection method: Plug

---

Base strip - MSTBW 2,5/ 4-G - 1736098



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface: Gold

---

Base strip - MSTBVA 2,5/ 4-G - 1755532



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface: Gold

---

Base strip - MSTBV 2,5/ 4-G - 1753479



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface: Gold

---

Base strip - MSTB 2,5/ 4-G - 1754478



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface: Gold

---

Base strip - MDSTBVA 2,5/ 4-G - 1845808



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface: Gold

## Printed-circuit board connector - FKC 2.5/4-ST - 1910377

### Accessories

---

#### Base strip - MDSTBA 2,5/ 4-G - 1846535

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



#### Base strip - EMSTBA 2,5/ 4-G - 1899867

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



#### Base strip - EMSTBVA 2,5/ 4-G - 1914878

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



#### Base strip - MSTBA 2,5/ 4-G-LA - 1770504

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



#### Base strip - MSTBA 2,5/ 4-G - 1757491

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



## Printed-circuit board connector - FKC 2.5/4-ST - 1910377

### Accessories

Base strip - MSTB 2,5/ 4-G-LA - 1768202

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



---

Base strip - MDSTBV 2,5/ 4-G1 - 1736739

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



---

Base strip - MDSTB 2,5/ 4-G1 - 1736690

Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



---

Base strip - SMSTBA 2,5/ 4-G - 1769829

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



---

Base strip - SMSTB 2,5/ 4-G - 1769256

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 4, Pitch: 5 mm, Color: green, Contact surface



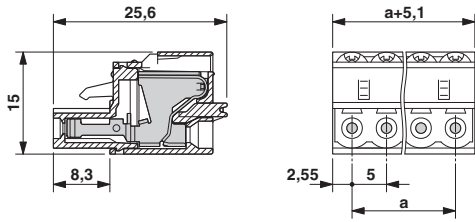
---

### Drawings



# Printed-circuit board connector - FKC 2.5/4-ST - 1910377

Dimensioned drawing



---

© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>