

# Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin




The figure shows a 10-position version of the product

## Why buy this product

- Time saving push-in connection, tools not required
- Intuitive use through colour coded actuation lever
- Extremely small design for the respective conductor cross section
- Quick and convenient testing using integrated test option
- Can be combined with the MSTB 2,5 range



## Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 046356 329521
GTIN	4046356329521
Weight per Piece (excluding packing)	2.280 g
Custom tariff number	85366990
Country of origin	Bulgaria

## Technical data

### Dimensions

Length [ l ]	27.1 mm
Width [ w ]	10.16 mm
Height [ h ]	10.9 mm
Pitch	5.08 mm
Dimension a	5.08 mm

### General

# Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

## Technical data

### General

Range of articles	FKCN 2,5/..-ST
Type of contact	Female connector
Number of positions	2
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)	320 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>	12 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	10 mm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	1.5 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.	1.5 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.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	14

### Standards and Regulations

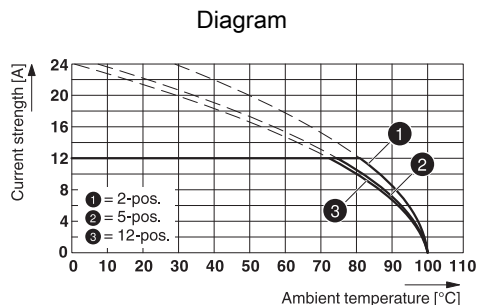
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

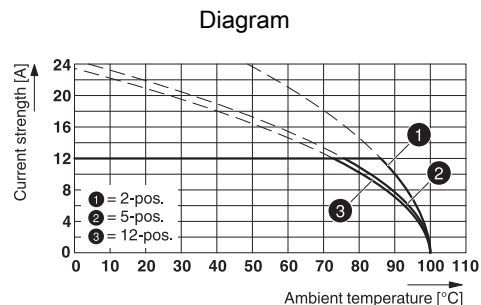
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

# Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

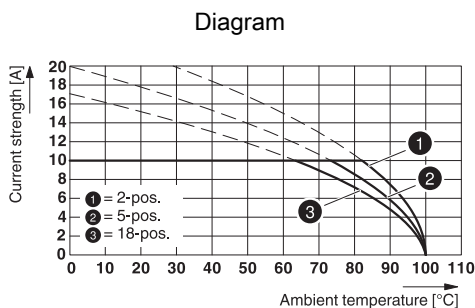
## Drawings



Type: FKCN 2,5/...-ST-5,08 with CCA 2,5/...-G-5,08 P26THR



Type: FKCN 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR



Type: FKCN 2,5/...-ST-5,08 with MDSTB 2,5/...-G1-5,08

## 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	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409

# Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

## Classifications

### UNSPSC

UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

#### Approvals

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

#### Ex Approvals

### Approval details

UL 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>	FILE E 60425
	B	D	
mm <sup>2</sup> /AWG/kcmil	24-14	24-14	
Nominal current I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

cUL 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>	FILE E 60425
	B	D	
mm <sup>2</sup> /AWG/kcmil	24-14	24-14	
Nominal current I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40041908
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	400 V		

# Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

## Approvals

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-55379
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EAC			B.01742
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IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58427
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mm <sup>2</sup> /AWG/kcmil	0.2-2.5
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	400 V

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>
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## Accessories

Accessories

Coding element

Coding profile - CP-MSTB - 1734634

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



## Connector

Ferrule - AI 0,5 -10 WH - 3201275



Ferrule, sleeve length: 10 mm, length: 16 mm, color: white

## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

Ferrule - AI 0,75-10 GY - 3201288



Ferrule, sleeve length: 10 mm, length: 16 mm, color: gray

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Ferrule - AI 1 -10 RD - 3200182



Ferrule, sleeve length: 10 mm, length: 16 mm, color: red

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Ferrule - AI 1,5 -10 BK - 3200195



Ferrule, sleeve length: 10 mm, length: 16 mm, color: black

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Ferrule - A 0,5 -10 - 3202494



Ferrule, sleeve length: 10 mm, length: 10 mm, color: silver

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Ferrule - A 0,75-10 - 3200234



Ferrule, sleeve length: 10 mm, length: 10 mm, color: silver

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## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

Ferrule - A 1 -10 - 3200250



Ferrule, sleeve length: 10 mm, length: 10 mm, color: silver

Ferrule - A 1,5 -10 - 3200276



Ferrule, sleeve length: 10 mm, length: 10 mm, color: silver

### Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm<sup>2</sup> ... 6.0 mm<sup>2</sup>, lateral entry, trapezoidal crimp

### Additional products

Housing - MSTBW 2,5/ 2-G-5,08 - 1735882



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - CCDN 2,5/ 2-G1-5,08 P26 THR - 1753132



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering

## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

#### Base strip - MSTBVA 2,5/ 2-G-5,08 - 1755736

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MSTBA 2,5/ 2-G-5,08 - 1757242

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MSTBV 2,5/ 2-G-5,08 - 1758018

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MSTB 2,5/ 2-G-5,08 - 1759017

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MDSTBV 2,5/ 2-G-5,08 - 1763074

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1836477, 1836480. In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!





## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

Base strip - SMSTBA 2,5/ 2-G-5,08 - 1767371

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - SMSTB 2,5/ 2-G-5,08 - 1769463

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBA 2,5/ 2-G-5,08-LA - 1770944

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MDSTBW 2,5/ 2-G-5,08 - 1802430

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!



Base strip - MDSTBA 2,5/ 2-G-5,08 - 1842063

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!



## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

#### Base strip - MDSTBVA 2,5/ 2-G-5,08 - 1845332



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Base strip - EMSTBVA 2,5/ 2-G-5,08 - 1859519



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

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#### Base strip - MDSTBA 2,5/ 2-GL-5,08 - 1877601



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Base strip - MDSTBA 2,5/ 2-GR-5,08 - 1877614



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Base strip - MDSTBVA 2,5/ 2-GL-5,08 - 1877627



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

#### Housing - MDSTBVA 2,5/ 2-GR-5,08 - 1877630



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, The article can be aligned to create different nos. of positions! In combination with MVSTB or FKCV plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

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#### Base strip - EMSTBA 2,5/ 2-G-5,08 - 1880300



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

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#### Base strip - DFK-MSTBA 2,5/ 2-G-5,08 - 1898839



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - DFK-MSTBVA 2,5/ 2-G-5,08 - 1899139



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Printed-circuit board connector - MSTBA 2,5/ 2-G-5,08 THT - 1902741



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

Base strip - MSTBVA 2,5/ 2-G-5,08 THT - 1902819



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - MSTBA 2,5/ 2-G-5,08 THT-R32 - 1937237



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Base strip - MSTBVA 2,5/ 2-G-5,08 THT-R56 - 1940415



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 2-G-5,08 P26THR - 1954388



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 2-G-5,08 P26THRR32 - 1954582



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

#### Printed-circuit board connector - CCA 2,5/ 2-G-5,08 P26THR - 1954919

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, connection method: Plug connection, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCA 2,5/ 2-G-5,08 P26THRR32 - 1955031

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCV 2,5/ 2-G-5,08 P26THR - 1955387

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCV 2,5/ 2-G-5,08 P26THRR32 - 1955523

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



#### Printed-circuit board connector - CCVA 2,5/ 2-G-5,08 P26THR - 1955853

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



## Printed-circuit board connector - FKCN 2,5/ 2-ST-5,08 - 1754568

### Accessories

Printed-circuit board connector - CCVA 2,5/ 2-G-5,08 P26THRR32 - 1955963

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



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