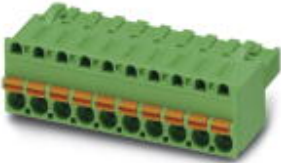


## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

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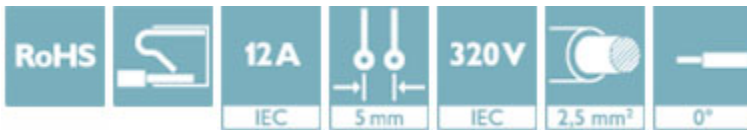
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



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
- ✓ Quick and convenient testing using integrated test option
- ✓ Can be combined with the MSTB 2,5 range



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4017918188078
Weight per Piece (excluding packing)	3.820 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	25.6 mm
Width [ w ]	10.1 mm
Height [ h ]	15 mm
Pitch	5 mm
Dimension a	5 mm

## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Technical data

#### General

Range of articles	FKCT 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 $I_N$	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
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

#### Standards and Regulations

# Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

## Technical data

### Standards and Regulations

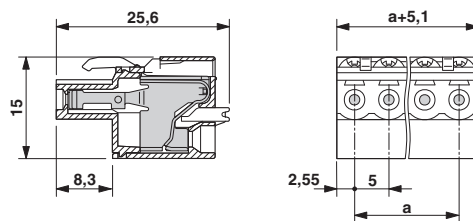
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Drawings

Dimensional drawing



## 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

# Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

## Classifications

### UNSPSC

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

## Approvals


### Approvals


#### Approvals

CSA / VDE Gutachten mit Fertigungsüberwachung / IEC60335 CB Scheme / cULus Recognized / EAC

#### Ex Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	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	

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>	40004701
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	250 V		

# Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

## Approvals

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-58978-B1B2
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	250 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>	E60425-19931011
	B	D	
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	
Nominal current I <sub>N</sub>	10 A	10 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

EAC		B.01742
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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



#### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Accessories

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Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



### Labeled terminal marker

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



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: 5 x 3.8 mm

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### Screwdriver tools

## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Accessories

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-component grip, with non-slip grip

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### Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm<sup>2</sup> conductor cross section, color: silver

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Reducing plug - RPS - 0201647



Reducing plug, color: gray

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### Additional products

Base strip - MSTBW 2,5/ 2-G - 1736111



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Base strip - MSTBV 2,5/ 2-G - 1753437



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Accessories

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#### Base strip - MSTB 2,5/ 2-G - 1754436



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Printed-circuit board connector - MSTBVA 2,5/ 2-G - 1755516



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Printed-circuit board connector - MSTBA 2,5/ 2-G - 1757475



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Base strip - MDSTBV 2,5/ 2-G - 1763032



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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!

#### Base strip - MSTB 2,5/ 2-G-LA - 1768189



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Accessories

#### Printed-circuit board connector - SMSTB 2,5/ 2-G - 1769230

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - SMSTBA 2,5/ 2-G - 1769803

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MSTBA 2,5/ 2-G-LA - 1770481

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Base strip - MDSTBW 2,5/ 2-G - 1802443

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MDSTBVA 2,5/ 2-G - 1845785

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - FKCT 2,5/ 2-ST - 1909210

### Accessories

#### Base strip - MDSTBA 2,5/ 2-G - 1846519



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MSTBO 2,5/ 2-G1R - 1861044



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

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#### Base strip - MSTBO 2,5/ 2-G1L - 1861057



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

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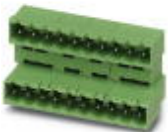
#### Base strip - MDSTBA 2,5/ 2-GL - 1877708



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: 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 - 1877711



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - FKCT 2,5/ 2-ST - 1909210

### Accessories

#### Base strip - MDSTBVA 2,5/ 2-GL - 1877724



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MDSTBVA 2,5/ 2-GR - 1877737



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - EMSTBA 2,5/ 2-G - 1899841



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

#### Base strip - EMSTBVA 2,5/ 2-G - 1914852



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Press-in technology

#### Base strip - MSTBA 2,5/ 2-G THT - 1927496



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - FKCT 2,5/ 2-ST - 1909210

### Accessories

#### Base strip - MSTBVA 2,5/ 2-G THT - 1941003



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 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 - MSTBV 2,5/ 2-G THT - 1963942



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, mounting: Soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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#### Base strip - MSTBO 2,5/ 2-G1L THRR32 BK - 2200251



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components

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#### Base strip - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components

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#### Base strip - MSTBO 2,5/ 2-G1L KMGY - 2854788



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, mounting: Soldering

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## Printed-circuit board connector - FKCT 2,5/ 2-ST - 1909210

### Accessories

Base strip - MSTBO 2,5/ 2-G1R KMGY - 2854791



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, color: light gray, contact surface: Tin, mounting: Soldering