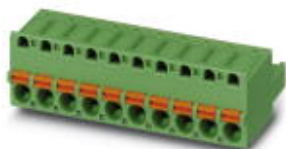


## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

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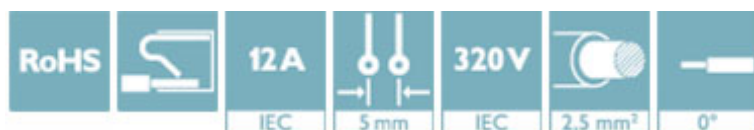
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin




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	100 STK
GTIN	 4 017918 175146
GTIN	4017918175146
Weight per Piece (excluding packing)	4.950 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	25.4 mm
Width [ w ]	15.1 mm
Height [ h ]	15 mm
Pitch	5 mm
Dimension a	10 mm

#### General

Range of articles	FKC 2,5/..-ST
Type of contact	Female connector

# Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

## Technical data

### General

Number of positions	3
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 $I_N$	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

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
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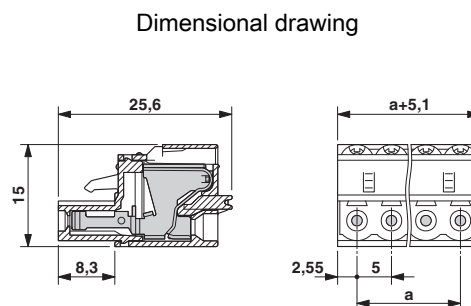
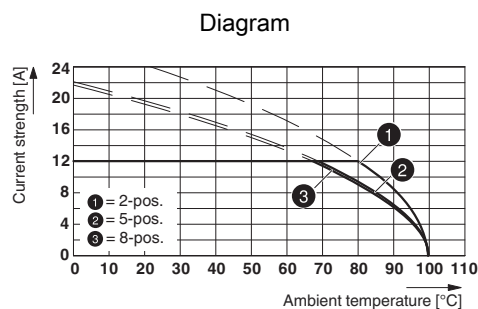
# Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

## Technical data

### Environmental Product Compliance

	No hazardous substances above threshold values
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## Drawings



Type: FKC 2,5/...-ST with MSTB 2,5/...-G THT

## 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
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

Approvals

# Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364


## Approvals


### Approvals


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

### Ex Approvals

### Approval details

CSA		13631
	B	D
mm²/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
mm²/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	
mm²/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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## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Approvals

IECEE CB Scheme	<b>CB</b> scheme	<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-56062- M1-B1B2
mm²/AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	250 V		

### 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

#### 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: 5 x 3.8 mm

#### Screwdriver 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-component grip, with non-slip grip

#### Test plug terminal block

## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

Test plugs - MPS-MT - 0201744



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

Reducing plug - RPS - 0201647



Reducing plug, color: gray

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.

### Additional products

Base strip - MSTBW 2,5/ 3-G - 1736108



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MDSTB 2,5/ 3-G1 - 1736687



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering, 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 - FKC 2,5/ 3-ST - 1910364

### Accessories

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#### Base strip - MDSTBV 2,5/ 3-G1 - 1736726



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering, 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 - MSTBV 2,5/ 3-G - 1753453



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - MSTB 2,5/ 3-G - 1754452



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - MSTBVA 2,5/ 3-G - 1755529



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - MSTBA 2,5/ 3-G - 1757488



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

#### Base strip - MDSTB 2,5/ 3-G - 1762059



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order no. 1736771, 1736768. In combination with MVSTB or FKCV plugs, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plugs is not possible!

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#### Base strip - MDSTBV 2,5/ 3-G - 1763045



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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!

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#### Base strip - MSTB 2,5/ 3-G-LA - 1768192



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - SMSTB 2,5/ 3-G - 1769243



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - SMSTBA 2,5/ 3-G - 1769816



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering



## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

#### Base strip - MSTBA 2,5/ 3-G-LA - 1770494



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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#### Base strip - MDSTBW 2,5/ 3-G - 1802427



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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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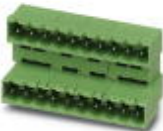
#### Base strip - MDSTBVA 2,5/ 3-G - 1845798



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBA 2,5/ 3-G - 1846522



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G1L - 1861028



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

#### Base strip - MSTBO 2,5/ 3-G1R - 1861031



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Soldering, Article with lateral pin exit

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#### Base strip - MDSTBA 2,5/ 3-GL - 1874691



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBA 2,5/ 3-GR - 1874701



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-GL - 1874730



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MDSTBVA 2,5/ 3-GR - 1874743



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 3, 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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## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

#### Base strip - EMSTBA 2,5/ 3-G - 1899854

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Press-in technology



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#### Base strip - EMSTBVA 2,5/ 3-G - 1914865

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: green, contact surface: Tin, mounting: Press-in technology



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#### Base strip - MSTBA 2,5/ 3-G THT - 1927506

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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 - MSTBVA 2,5/ 3-G THT - 1941016

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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/ 3-G THT - 1963955

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, 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"



## Printed-circuit board connector - FKC 2,5/ 3-ST - 1910364

### Accessories

Base strip - MSTBO 2,5/ 3-G1L KMGY - 2853750



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: light gray, contact surface: Tin, mounting: Soldering

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Base strip - MSTBO 2,5/ 3-G1R KMGY - 2853763



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: light gray, contact surface: Tin, mounting: Soldering

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Base strip - MSTBO 2,5/ 3 G1L THRR44 BK - 2915216



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components

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Base strip - MSTBO 2,5/ 3 G1R THRR44 BK - 2915229



Header, nominal current: 16 A, rated voltage (III/2): 320 V, number of positions: 3, pitch: 5 mm, Color: black, contact surface: Tin, mounting: Taped SMD/THT/THR components