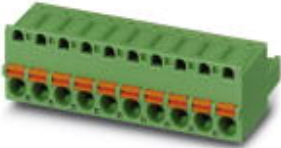


## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

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PCB connector, nominal current: 12 A, number of positions: 5, 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

### 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
- ✓ Can be combined with the MSTB 2,5 range



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	100 pc
GTIN	 4 017918 142476
GTIN	4017918142476
Weight per Piece (excluding packing)	9.100 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length [ l ]	25.73 mm
Width [ w ]	26.02 mm
Height [ h ]	15 mm
Pitch	5.08 mm

# Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

## Technical data

### Dimensions

Dimension a	20.32 mm
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### General

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

# Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

## Technical data

### Standards and Regulations

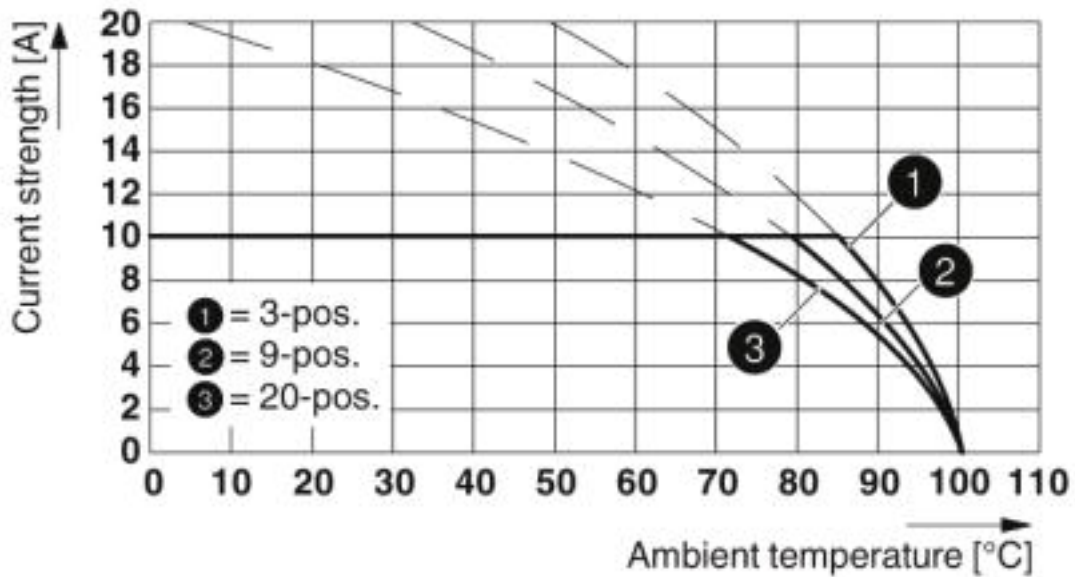
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

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

## Drawings

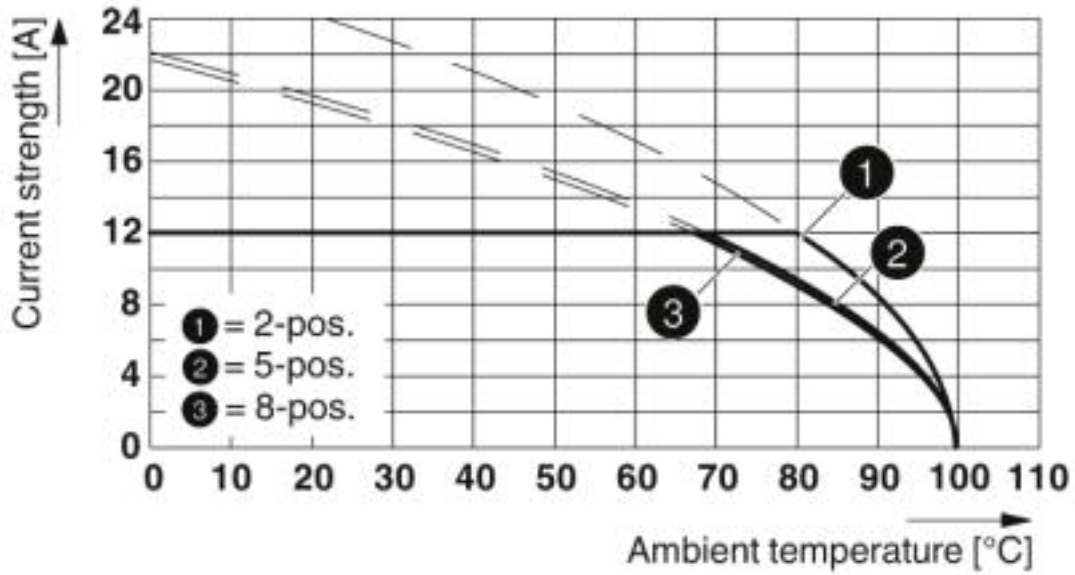
Diagram



Type: FKC 2,5/...-ST-5,08 with MDSTBV 2,5/...-G1-5,08

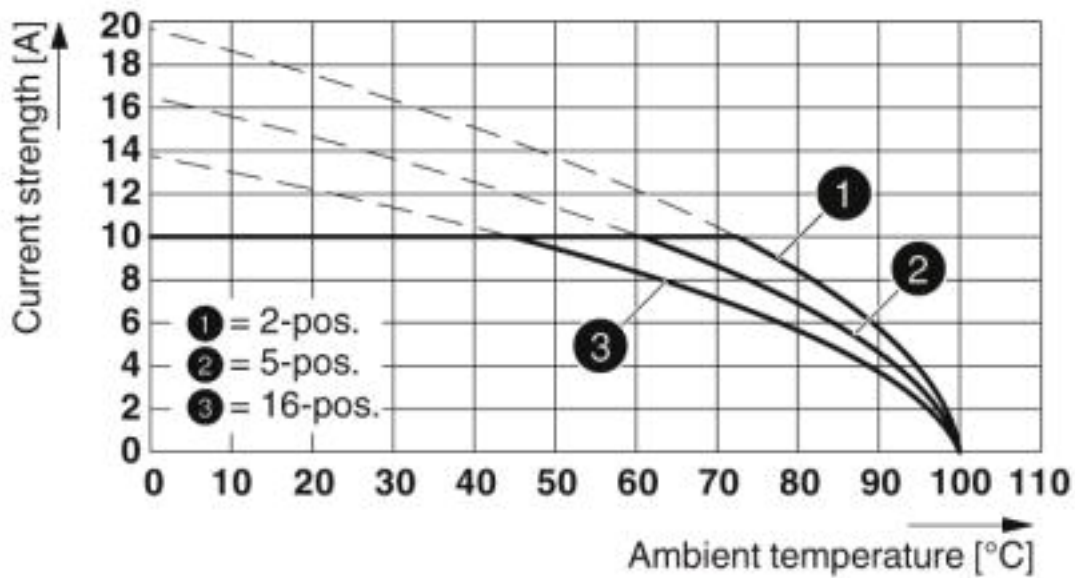
# Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

Diagram



Type: FKC 2,5/...-ST-5,08 with MSTBA 2,5/...-G-5,08 THT

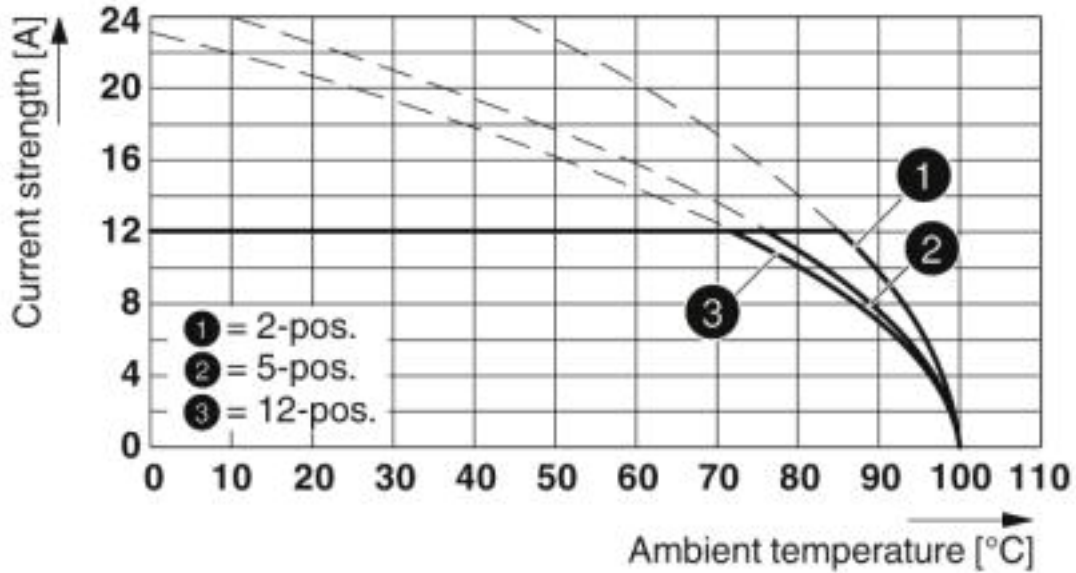
Diagram



Type: FKC 2,5/...-ST-5,08 with MDSTBVA 2,5/...-G-5,08

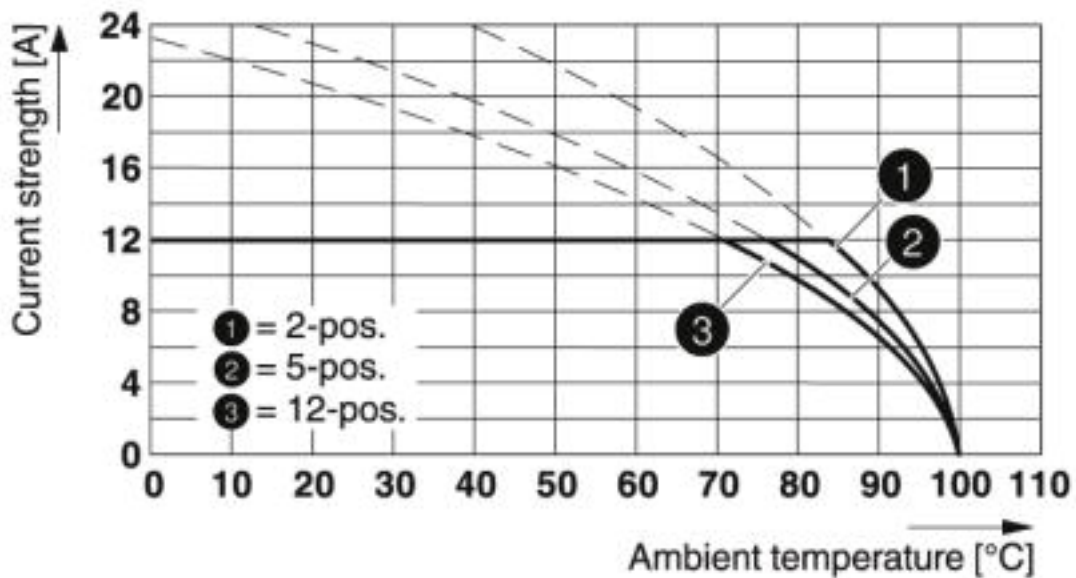
# Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

Diagram



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

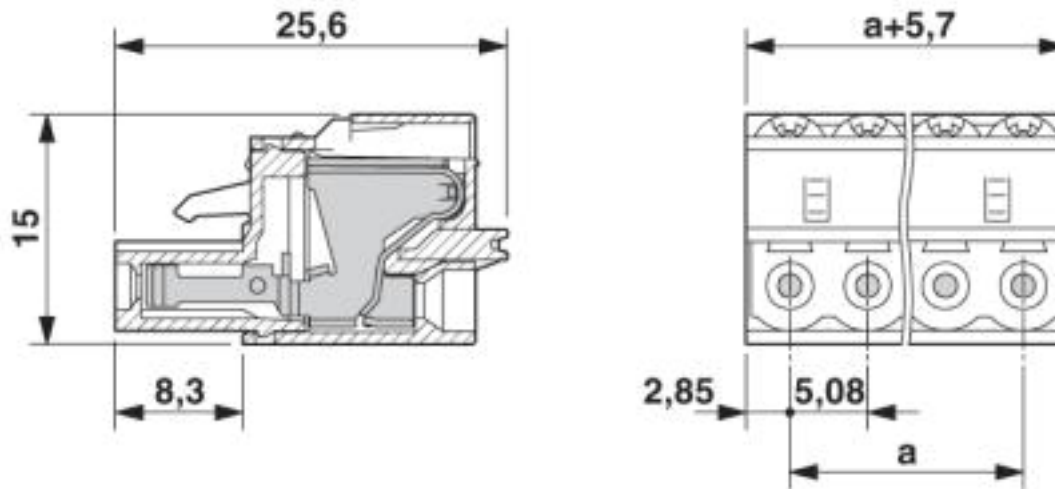
Diagram



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

## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

Dimensional drawing



### Classifications

#### eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	EC002638

#### UNSPSC

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

# Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

## Approvals


### Approvals


#### Approvals

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


#### Ex Approvals

### Approval details

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60988-B1B2
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40004701
Nominal voltage UN	250 V		
Nominal current IN	12 A		
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		

EAC		B.01742
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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	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm <sup>2</sup> /AWG/kcmil	26-12	26-12	

## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### 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



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### Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



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Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



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Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue





## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



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### Labeled terminal marker

Marker card - SK 5,08/3,8:FORTL.ZAHLEN - 0804293



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: 5.08 mm, lettering field size: 5.08 x 3.8 mm

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### Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### 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

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### Strain relief

## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

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



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

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



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

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### Terminal marking

Marker card - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, mounting type: adhesive, for terminal block width: 5.08 mm, lettering field size: 5.08 x 3.8 mm

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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: gray

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Reducing plug - RPS - 0201647



Reducing plug, color: gray

## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

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#### Additional products

Feed-through header - MSTBW 2,5/ 5-G-5,08 - 1735853

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBVA 2,5/ 5-G-5,08 - 1755765

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Printed-circuit board connector - MSTBA 2,5/ 5-G-5,08 - 1757271

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBV 2,5/ 5-G-5,08 - 1758047

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTB 2,5/ 5-G-5,08 - 1759046

PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering



## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

#### Printed-circuit board connector - MDSTBV 2,5/ 5-G-5,08 - 1762004



PCB headers, nominal current: 10 A, number of positions: 5, 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!

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#### Feed-through header - SMSTBA 2,5/ 5-G-5,08 - 1767407



PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Printed-circuit board connector - SMSTB 2,5/ 5-G-5,08 - 1769492



PCB headers, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Feed-through header - MSTBA 2,5/ 5-G-5,08-LA - 1770973



PCB headers, number of positions: 5, pitch: 5.08 mm, color: green

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#### Feed-through header - MDSTBW 2,5/ 5-G-5,08 - 1840010



PCB headers, nominal current: 10 A, number of positions: 5, 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 - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

#### Feed-through header - MDSTBA 2,5/ 5-G-5,08 - 1842092



PCB headers, nominal current: 10 A, number of positions: 5, 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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#### Feed-through header - MDSTB 2,5/ 5-G-5,08 - 1842542



PCB headers, nominal current: 10 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering, Can be aligned! Mounting flange: Order No. 1736771, 1736768. 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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#### Feed-through header - MDSTBVA 2,5/ 5-G-5,08 - 1845361



PCB headers, nominal current: 10 A, number of positions: 5, 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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#### Feed-through header - MSTBO 2,5/ 5-GR-5,08 - 1847136



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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#### Feed-through header - MSTBO 2,5/ 5-GL-5,08 - 1850466



PCB headers, nominal current: 8 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

Printed-circuit board connector - DFK-MSTBA 2,5/ 5-G-5,08 - 1898868



Feed-through header, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - DFK-MSTBVA 2,5/ 5-G-5,08 - 1899168



Feed-through header, nominal current: 12 A, number of positions: 5, pitch: 5.08 mm, color: green, contact surface: Tin, mounting: Wave soldering

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Printed-circuit board connector - MSTBA 2,5/ 5-G-5,08 THT-R56 - 1937266



PCB headers, number of positions: 5, pitch: 5.08 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - MSTBVA 2,5/ 5-G-5,08 THT-R56 - 1940444



PCB headers, number of positions: 5, pitch: 5.08 mm, color: black, 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/ 5-G-5,08 P26THR - 1954414



PCB headers, nominal current: 12 A, number of positions: 5, 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 - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

#### Printed-circuit board connector - CC 2,5/ 5-G-5,08 P26THRR56 - 1954618

PCB headers, nominal current: 12 A, number of positions: 5, 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 - CCA 2,5/ 5-G-5,08 P26THR - 1954948

PCB headers, nominal current: 12 A, number of positions: 5, 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 - CCA 2,5/ 5-G-5,08 P26THRR56 - 1955060

PCB headers, nominal current: 12 A, number of positions: 5, 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/ 5-G-5,08 P26THR - 1955413

PCB headers, nominal current: 12 A, number of positions: 5, 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/ 5-G-5,08 P26THRR56 - 1955552

PCB headers, nominal current: 12 A, number of positions: 5, 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 - FKC 2,5/ 5-ST-5,08 - 1873087

### Accessories

Printed-circuit board connector - CCVA 2,5/ 5-G-5,08 P26THR - 1955882



PCB headers, nominal current: 12 A, number of positions: 5, 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 - CCVA 2,5/ 5-G-5,08 P26THRR56 - 1955992



PCB headers, nominal current: 12 A, number of positions: 5, 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"