Printed-circuit board connector - FKC 2,5/ 5-ST - 1910380

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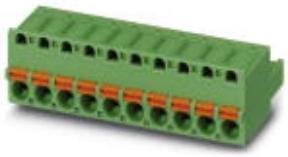
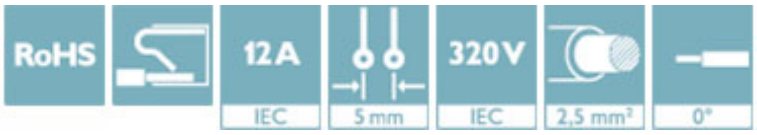
PCB connector, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 5, pitch: 5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin



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	100 pc
GTIN	4 017918 175160
GTIN	4017918175160
Weight per Piece (excluding packing)	0.008 kg
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.73 mm
Width [w]	24.9 mm
Height [h]	15 mm
Pitch	5 mm
Dimension a	20 mm

General

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

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Technical data

General

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 mm²
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 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
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 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm²
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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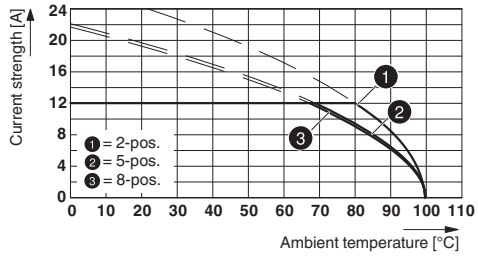
Technical data

Environmental Product Compliance

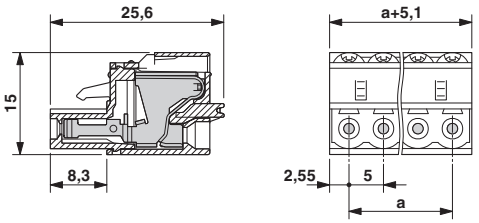
	No hazardous substances above threshold values

Drawings

Diagram



Dimensional drawing



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	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

UNSPSC

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

Approvals

Approvals

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Approvals

Approvals

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

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631

	D	B
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	12 A
mm²/AWG/kcmil	24-12	24-12

IECEE CB Scheme		http://www.iecee.org/	DE1-56062-M1-B1B2

Nominal voltage UN	250 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40004701

Nominal voltage UN	250 V
Nominal current IN	12 A
mm²/AWG/kcmil	0.2-2.5

EAC		B.01742

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011

	D	B
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	26-12	26-12

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 size: 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

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Accessories

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

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

Feed-through header - MSTBW 2,5/ 5-G - 1736085

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

Feed-through header - MSTBV 2,5/ 5-G - 1753495

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

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Accessories

Feed-through header - MSTB 2,5/ 5-G - 1754494

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

Printed-circuit board connector - MSTBVA 2,5/ 5-G - 1755545

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

Printed-circuit board connector - MSTBA 2,5/ 5-G - 1757501

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

Feed-through header - MSTB 2,5/ 5-G-LA - 1768215

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

Printed-circuit board connector - SMSTB 2,5/ 5-G - 1769269

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

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Accessories

Feed-through header - SMSTBA 2,5/ 5-G - 1769832

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

Feed-through header - MSTBA 2,5/ 5-G-LA - 1770517

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

Feed-through header - MDSTB 2,5/ 5-G - 1837133

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 5, 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 plug components, both an MVSTBW (or FKCVW) and an MVSTBR plug (or FKCVR) must be used. Combination with TMSTBP plug components is not possible!

Feed-through header - MDSTBVA 2,5/ 5-G - 1845811

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

Feed-through header - MDSTBV 2,5/ 5-G - 1845963

PCB headers, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 5, 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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Accessories

Feed-through header - MDSTBA 2,5/ 5-G - 1846548

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

Feed-through header - MDSTBW 2,5/ 5-G - 1846849

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

Feed-through header - EMSTBA 2,5/ 5-G - 1899870

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

Feed-through header - EMSTBVA 2,5/ 5-G - 1914881

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

Feed-through header - MSTBA 2,5/ 5-G THT - 1927522

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 5, 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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Accessories

Printed-circuit board connector - MSTBVA 2,5/ 5-G THT - 1941032

PCB headers, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 5, 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”