Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

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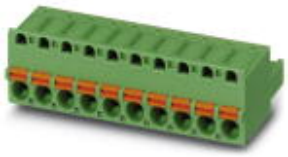
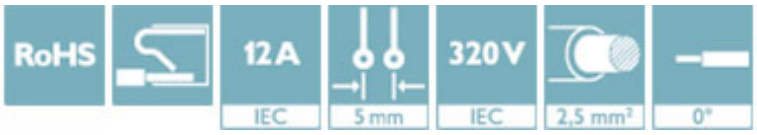
Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 2, pitch: 5 mm, connection method: Push-in spring connection, Color: green, contact surface: Tin



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	100 STK
GTIN	4 017918 175139
GTIN	4017918175139
Weight per Piece (excluding packing)	3.280 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.4 mm
Width [w]	10.1 mm
Height [h]	15 mm
Pitch	5 mm
Dimension a	5 mm

General

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

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Technical data

General

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)	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 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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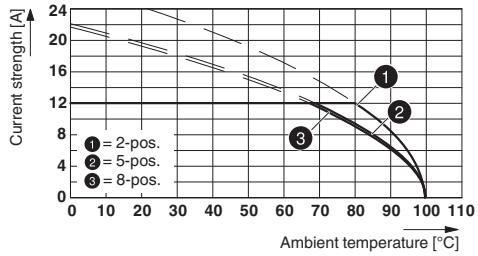
Technical data

Environmental Product Compliance

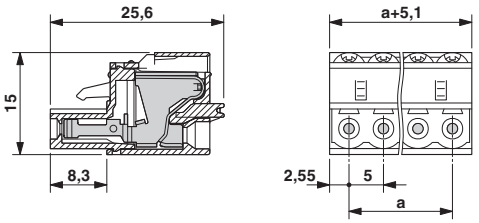
	No hazardous substances above threshold values

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	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

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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 IN	12 A	10 A
Nominal voltage UN	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx 40004701

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

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

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

EAC B.01742

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Approvals

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

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

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Accessories

Test plugs - MPS-MT - 0201744

Test plugs, with solder connection up to 1 mm² 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/ 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

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

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Accessories

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

Base strip - 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

Base strip - 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 - MDSTB 2,5/ 2-G - 1762046

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. 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!

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!

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Accessories

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

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Base strip - 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

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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

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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

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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!

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Accessories

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!

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!

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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Accessories

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!

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

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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

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Printed-circuit board connector - FKC 2,5/ 2-ST - 1910351

Accessories

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”

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”

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”

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

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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Accessories

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

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