

Printed-circuit board connector - FKCT 2,5/12-STF-5,08 - 1902408

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Why buy this product

- ✓ For larger numbers of positions up to 24-pos., visit: phoenixcontact.net/products
- ✓ Fast conductor connection thanks to Push-in spring-cage connection
- ✓ The cable connection area for FKCT 2,5/... is positioned lower than that of FKC 2,5/... or FKCS 2,5/...



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 187538
Weight per Piece (excluding packing)	21.11 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Pitch	5.08 mm
Dimension a	55.88 mm

General

Range of articles	FKCT 2,5/...-STF
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

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Technical data

General

Connection in acc. with standard	EN-VDE
Nominal current I _N	12 A
Nominal cross section	2.5 mm ²
Maximum load current	12 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm
Number of positions	12

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm ²
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

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

ETIM

ETIM 3.0	EC001121
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Classifications

ETIM

ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

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

Approvals

Approvals


Approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCE CB Scheme / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	D
mm ² /AWG/kcmil	26-12	26-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung 	
mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

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Approvals

cUL Recognized		
	B	D
mm ² /AWG/kcmil	26-12	26-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

IECEE CB Scheme	
mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

CCA	
mm ² /AWG/kcmil	0.2-2.5
Nominal current I _N	12 A
Nominal voltage U _N	250 V

EAC

cULus Recognized

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

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Accessories

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

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 5,08/3,8: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: 5.08 x 3.8 mm

Screwdriver tools

Printed-circuit board connector - FKCT 2,5/12-STF-5,08 - 1902408

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

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, 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

Printed-circuit board connector - FKCT 2,5/12-STF-5,08 - 1902408

Accessories

Base strip - DFK-MSTB 2,5/12-GF-5,08 - 0710277



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Solder/Slip-on connection, Color: green, Contact surface: Tin, Mounting: Direct mounting

Base strip - A-MSTBV 2,5/12-GF-5,08 - 1872680



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: DIN rail

Base strip - MSTBV 2,5/12-GF-5,08 - 1777170



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - ICC 2,5/12-STZFD-5,08 - 1823710



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Crimp connection, Color: green, Corresponding male crimp contacts with current [A] and conductor cross section range [mm²] data: 10A/ICC-MT 0,5-1,0 (3190577); 10A/ICC-MT 0,5-1,0 BA (3190603); 12A/ICC-MT 1,5-2,5 (3190580); 12A/ICC-MT 1,5-2,5 BA (3190593). BA = Bandkontakte

Printed-circuit board connector - IC 2,5/12-STGF-5,08 - 1825608



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

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Accessories

Base strip - DFK-MSTBVA 2,5/12-GF-5,08 - 1899388



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - DFK-MSTBA 2,5/12-GF-5,08 - 1899087



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Base strip - EMSTB 2,5/12-GF-5,08 - 1899715



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in

Base strip - EMSTBV 2,5/12-GF-5,08 - 1915314



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Press-in

Housing - MDSTBV 2,5/12-GF-5,08 - 1845730



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 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

Housing - MDSTB 2,5/12-GF-5,08 - 1842461



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 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!

Base strip - MSTB 2,5/12-GF-5,08 - 1776605



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 12, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Drawings

Dimensioned drawing

