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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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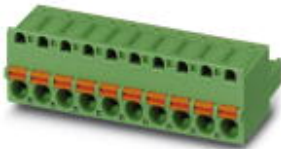
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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: Spring-cage conn., Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

Product description


Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Spring-cage conn., Color: green, Contact surface: Tin

Why buy this product

- For larger numbers of positions up to 24-pos., visit: www.phoenixcontact.net/catalog
- Can be combined with the MSTB 2,5 range
- Fast conductor connection thanks to Push-in spring-cage connection
- Contacting of solid or stranded conductors with ferrules without actuating the opening lever directly in the terminal point
- Two test connections for accommodating 2 mm Ø test pins or 2.3 mm Ø test plug



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 248 (CC-2011)
GTIN	 4 017918 175146
Weight per piece (including packing)	0.0 GRM
Weight per Piece (excluding packing)	4.97 GRM
Country of origin	GERMANY

Technical data

Dimensions / positions

Pitch	5 mm
Dimension a	10 mm
Number of positions	3

Technical data

Range of articles	FKC 2,5/..-ST
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Technical data

Technical data

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/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I _N	12 A
Nominal voltage U _N	250 V
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
Nominal voltage, UL/CUL Use Group B	250 V
Nominal current, UL/CUL Use Group B	10 A
Nominal voltage, UL/CUL Use Group D	300 V
Nominal current, UL/CUL Use Group D	10 A

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

Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Classifications

eclass

eClass 4.0	272607xx
eClass 4.1	27260701
eClass 5.0	27260701
eClass 5.1	27260701
eClass 6.0	27260704

etim

ETIM 3.0	EC001121
ETIM 4.0	EC002638

unspsc

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

Approvals

Certificates

Certification

CSA / UL Recognized / VDE report with production monitoring / cUL Recognized / GOST / IECEE CB Scheme / GOST / cULus Recognized

Certification EX

Certification submitted

Approval details

CSA		
	B	D
mm ² /AWG/kcmil	24-12	24-12
Nominal current I _N	12 A	10 A
Nominal voltage U _N	300 V	300 V

UL Recognized		
	B	D
mm ² /AWG/kcmil	26-12	26-12

Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Approvals

	B	D
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

VDE report with production monitoring	
mm ² /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

cUL Recognized		
	B	D
mm ² /AWG/kcmil	26-12	26-12
Nominal current IN	10 A	10 A
Nominal voltage UN	250 V	300 V

GOST

IECEE CB Scheme	
mm ² /AWG/kcmil	0.2-2.5
Nominal current IN	12 A
Nominal voltage UN	250 V

GOST

cULus Recognized

Accessories

Accessories

Assembly

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.

Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

Marking

Marker cards - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker cards, Card, white, Labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type:

Plug/Adapter

Coding profile - CP-MSTB - 1734634

Keying profile, is inserted into the slot on the plug or inverted header, red insulating material



Test plugs - MPS-MT - 0201744

Test plugs



Reducing plug - RPS - 0201647

Reducing plug, Color: gray



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-co



Additional products

Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

Base strip - DFK-MSTB 2,5/ 3-G - 0707112



Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Connection method: Plug

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: Gold

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: Gold

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: Gold

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: Gold

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: Gold

Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

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



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



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



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



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



Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

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



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



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



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



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



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



Printed-circuit board connector - FKC 2.5/3-ST - 1910364

Accessories

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



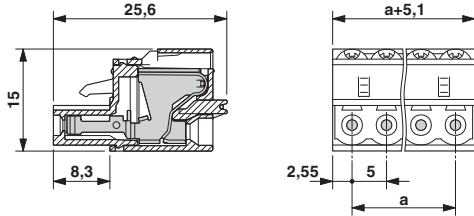
Base strip - SMSTB 2,5/ 3-G - 1769243

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 3, Pitch: 5 mm, Color: green, Contact surface



Drawings

Dimensioned drawing



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