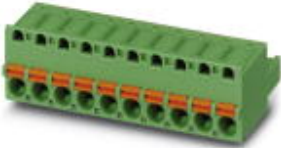


Printed-circuit board connector - FKC 2,5/ 6-ST-5,08 - 1873090

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Plug component, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 6, 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

Product Features

- Can be combined with the MSTB 2,5 range
- For larger numbers of positions up to 24-pos., visit: phoenixcontact.net/products
- 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 pc
GTIN	 4 017918 142483
Weight per Piece (excluding packing)	10.92 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Width	30.47 mm
Pitch	5.08 mm
Dimension a	25.4 mm

General

Printed-circuit board connector - FKC 2,5/ 6-ST-5,08 - 1873090

Technical data

General

Range of articles	FKC 2,5/...-ST
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 mm ²
Maximum load current	12 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A2
Stripping length	10 mm
Number of positions	6

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm ²
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 ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL

Printed-circuit board connector - FKC 2,5/ 6-ST-5,08 - 1873090

Technical data

Standards and Regulations

Flammability rating according to UL 94	V0
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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

UNSPSC

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

Approvals

Approvals

Approvals

VDE Gutachten mit Fertigungsüberwachung / IECCEB Scheme / EAC / cULus Recognized / EAC


Ex Approvals


Approvals submitted

Printed-circuit board connector - FKC 2,5/ 6-ST-5,08 - 1873090

Approvals

Approval details

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

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

EAC

cULus 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

EAC

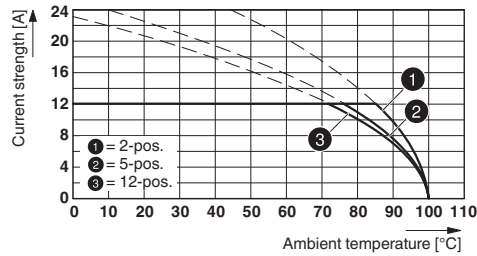
Drawings

Printed-circuit board connector - FKC 2,5/ 6-ST-5,08 - 1873090

Diagram

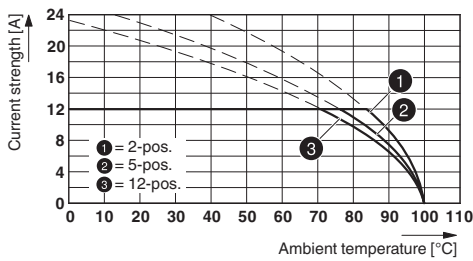
Type:
FKC
2,5/...-
ST-5,08
with
MDSTBVA
2,5/...-
G-5,08

Diagram

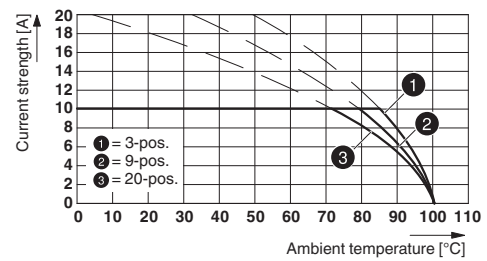


Type: FKC 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

Diagram



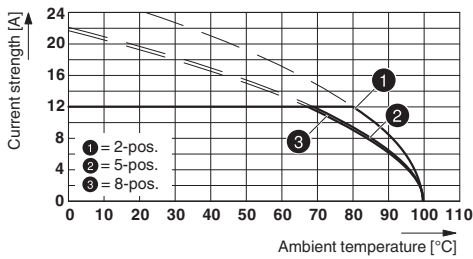
Diagram



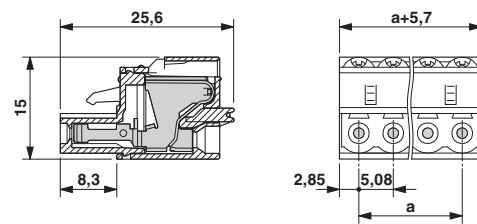
Type: FKC 2,5/...-ST-5,08 with CCA 2,5/...-G-5,08 P26THR

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

Diagram



Dimensional drawing



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