

Printed-circuit board connector - FKC 2,5/ 9-ST-5,08 - 1873126

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Plug component, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, 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

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	50 STK
GTIN	 4 017918 142513
GTIN	4017918142513
Weight per Piece (excluding packing)	15.150 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	25.4 mm
Width [w]	46.34 mm
Height [h]	15 mm
Pitch	5.08 mm
Dimension a	40.64 mm

General

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

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Technical data

General

Number of positions	9
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)	320 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

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
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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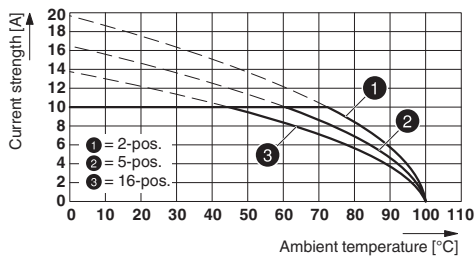
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values
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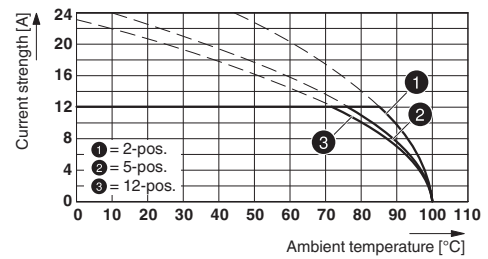
Drawings

Diagram



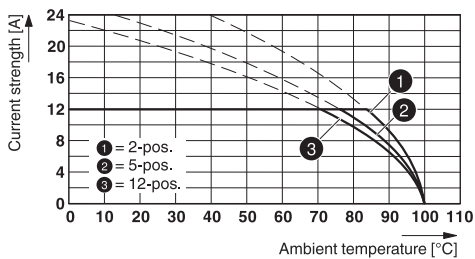
Type: FKC 2,5/...-ST-5,08 with MDSTBVA 2,5/...-G-5,08

Diagram



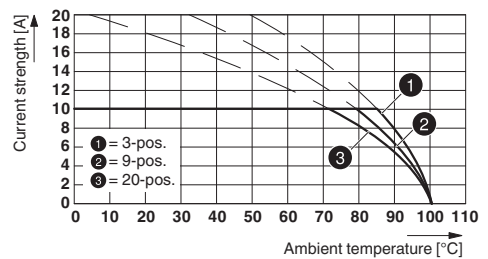
Type: FKC 2,5/...-ST-5,08 with CCVA 2,5/...-G-5,08 P26THR

Diagram



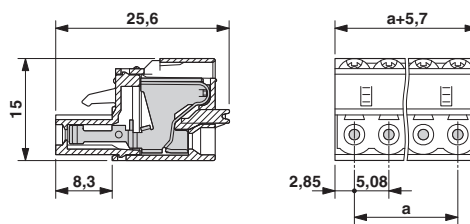
Type: FKC 2,5/...-ST-5,08 with CCA 2,5/...-G-5,08 P26THR

Diagram



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

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701

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Classifications

eCl@ss

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

Approvals

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

Ex Approvals

Approval details

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

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19931011
	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		B.01742
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IECEE CB Scheme		http://www.iecee.org/	DE1-56062-M1-B1B2
mm ² /AWG/kcmil	0.2-2.5		
Nominal current I _N	12 A		
Nominal voltage U _N	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



Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



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Accessories

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

Marker pen

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver tools

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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

Terminal marking

Marker card - SK 5,08/3,8:UNBEDRUCKT - 0805412



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: adhesive, for terminal block width: 5.08 mm, Lettering field: 5.08 x 3.8 mm

Test plug terminal block

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.

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Accessories

Additional products

Base strip - MSTBW 2,5/ 9-G-5,08 - 1735811

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBVA 2,5/ 9-G-5,08 - 1755804

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBA 2,5/ 9-G-5,08 - 1757310

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTBV 2,5/ 9-G-5,08 - 1758089

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MSTB 2,5/ 9-G-5,08 - 1759088

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



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Accessories

Base strip - MDSTB 2,5/ 9-G1-5,08 - 1762444



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, 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 - MDSTBV 2,5/ 9-G1-5,08 - 1762570



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering, 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 - SMSTBA 2,5/ 9-G-5,08 - 1767449



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - MSTBA 2,5/ 9-G-5,08-LA - 1768011



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - SMSTB 2,5/ 9-G-5,08 - 1769531



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Printed-circuit board connector - FKC 2,5/ 9-ST-5,08 - 1873126

Accessories

Base strip - MSTBV 2,5/ 9-GEH-5,08 - 1808531

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering



Base strip - MDSTBA 2,5/ 9-G-5,08 - 1842131

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 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 - MDSTBW 2,5/ 9-G-5,08 - 1842283

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 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 - MDSTB 2,5/ 9-G-5,08 - 1842584

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 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!



Base strip - MDSTBVA 2,5/ 9-G-5,08 - 1845400

Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 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 - MDSTBV 2,5/ 9-G-5,08 - 1845552



Header, nominal current: 10 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 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!

Base strip - EMSTBVA 2,5/ 9-G-5,08 - 1859580



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - EMSTBA 2,5/ 9-G-5,08 - 1880371



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Press-in technology

Base strip - DFK-MSTBA 2,5/ 9-G-5,08 - 1898907



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

Base strip - DFK-MSTBVA 2,5/ 9-G-5,08 - 1899207



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: green, contact surface: Tin, mounting: Wave soldering

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Accessories

Printed-circuit board connector - CC 2,5/ 9-G-5,08 P26THR - 1954540

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CC 2,5/ 9-G-5,08 P26THRR88 - 1954650

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCA 2,5/ 9-G-5,08 P26THR - 1954993

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCA 2,5/ 9-G-5,08 P26THRR88 - 1955109

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCV 2,5/ 9-G-5,08 P26THR - 1955484

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - FKC 2,5/ 9-ST-5,08 - 1873126

Accessories

Printed-circuit board connector - CCV 2,5/ 9-G-5,08 P26THRR88 - 1955594

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCVA 2,5/ 9-G-5,08 P26THR - 1955921

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCVA 2,5/ 9-G-5,08 P26THRR88 - 1956030

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCA 2,5/ 9-GL-5,08P26THR - 1959134

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.



Printed-circuit board connector - CCA 2,5/ 9-GL-5,08P26THRR88 - 1959202

Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.



Printed-circuit board connector - FKC 2,5/ 9-ST-5,08 - 1873126

Accessories

Printed-circuit board connector - CCA 2,5/ 9-GR-5,08P26THR - 1959273



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

Printed-circuit board connector - CCA 2,5/ 9-GR-5,08P26THRR88 - 1959341



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

Printed-circuit board connector - CCVA 2,5/ 9-GL-5,08P26THR - 1959972



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.

Printed-circuit board connector - CCVA 2,5/ 9-GR-5,08P26THR - 1960152



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 9, pitch: 5.08 mm, Color: black, contact surface: Tin, mounting: THR soldering, Two-in-one – Pin strips must always be made up of a left (L) and a right (R) segment. Please allow for the corresponding counterpart from the accessories to complete the THR pin strip.
