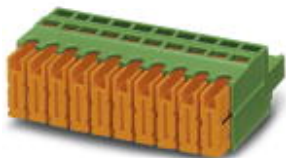


## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

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Plug component, Nominal current: 10 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 5.08 mm, Connection method: Insulation displacement connection QUICKON, Color: green, Contact surface: Tin




The figure shows a 10-position version of the product

### Why buy this product

- Connection without conductor pretreatment for huge time savings
- Can be combined with the MSTB 2',5 range



### Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 157715
Weight per Piece (excluding packing)	3.84 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Dimensions

Pitch	5.08 mm
Dimension a	5.08 mm

#### General

Range of articles	QC 1/...-ST
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	500 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V

# Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

## Technical data

### General

Connection in acc. with standard	EN-VDE
Nominal current I <sub>N</sub>	10 A
Nominal cross section	1 mm <sup>2</sup>
Maximum load current	10 A (with 1 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Number of positions	2

### Connection data

Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	1 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	18
Minimum AWG according to UL/CUL	22
Maximum AWG according to UL/CUL	18
Wire diameter incl. insulation	2.5 mm

### Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

## 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
ETIM 4.0	EC002638
ETIM 5.0	EC002638

### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409

# Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

## Classifications

### UNSPSC

UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

## Approvals

### Approvals

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Approvals

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

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### Ex Approvals

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Ex Approvals

### Approvals submitted

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Approvals submitted

## Approval details

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	22-18	22-18
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

VDE Gutachten mit Fertigungsüberwachung	
mm <sup>2</sup> /AWG/kcmil	0.75-1
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	22-18	22-18
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

# Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

## Approvals

IECEE CB Scheme	
mm <sup>2</sup> /AWG/kcmil	0.75-1
Nominal current I <sub>N</sub>	10 A
Nominal voltage U <sub>N</sub>	250 V

CCA

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

### 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 - QC 1/ 2-ST-5,08 - 1883255

## Accessories

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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## Additional products

Housing - MSTBW 2,5/ 2-G-5,08 - 1735882



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

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Base strip - MSTBVA 2,5/ 2-G-5,08 - 1755736



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

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Base strip - MSTBA 2,5/ 2-G-5,08 - 1757242



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

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Base strip - MSTBV 2,5/ 2-G-5,08 - 1758018



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

## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

### Accessories

#### Base strip - MSTB 2,5/ 2-G-5,08 - 1759017



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

#### Base strip - MDSTB 2,5/ 2-G-5,08 - 1762062



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: 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-5,08 - 1763074



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: green, Contact surface: Tin, Mounting: 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 - SMSTBA 2,5/ 2-G-5,08 - 1767371



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

#### Base strip - SMSTB 2,5/ 2-G-5,08 - 1769463



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

## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

### Accessories

Base strip - MSTBA 2,5/ 2-G-5,08-LA - 1770944



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

Base strip - MDSTBW 2,5/ 2-G-5,08 - 1802430



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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 - MDSTBA 2,5/ 2-G-5,08 - 1842063



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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 - MDSTBVA 2,5/ 2-G-5,08 - 1845332



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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 - EMSTBVA 2,5/ 2-G-5,08 - 1859519



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

## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

### Accessories

#### Base strip - MDSTBA 2,5/ 2-GL-5,08 - 1877601



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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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#### Base strip - MDSTBA 2,5/ 2-GR-5,08 - 1877614



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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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#### Base strip - MDSTBVA 2,5/ 2-GL-5,08 - 1877627



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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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#### Housing - MDSTBVA 2,5/ 2-GR-5,08 - 1877630



Header, Nominal current: 10 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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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#### Base strip - EMSTBA 2,5/ 2-G-5,08 - 1880300



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



## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

### Accessories

Base strip - DFK-MSTBA 2,5/ 2-G-5,08 - 1898839



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

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Base strip - DFK-MSTBVA 2,5/ 2-G-5,08 - 1899139



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

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Printed-circuit board connector - MSTBA 2,5/ 2-G-5,08 THT - 1902741



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Base strip - MSTBVA 2,5/ 2-G-5,08 THT - 1902819



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - MSTBA 2,5/ 2-G-5,08 THT-R32 - 1937237



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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## Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

### Accessories

Base strip - MSTBVA 2,5/ 2-G-5,08 THT-R56 - 1940415



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: Taped SMD/THT/THR components, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 2-G-5,08 P26THR - 1954388



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CC 2,5/ 2-G-5,08 P26THRR32 - 1954582



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CCA 2,5/ 2-G-5,08 P26THR - 1954919



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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Printed-circuit board connector - CCA 2,5/ 2-G-5,08 P26THRR32 - 1955031



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"

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# Printed-circuit board connector - QC 1/ 2-ST-5,08 - 1883255

## Accessories

Printed-circuit board connector - CCV 2,5/ 2-G-5,08 P26THR - 1955387

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCV 2,5/ 2-G-5,08 P26THRR32 - 1955523

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCVA 2,5/ 2-G-5,08 P26THR - 1955853

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"



Printed-circuit board connector - CCVA 2,5/ 2-G-5,08 P26THRR32 - 1955963

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5.08 mm, Color: black, Contact surface: Tin, Mounting: SMD/THT/THR, User information and design recommendations for through hole reflow technology can be found under "Downloads"



## Drawings

Dimensional drawing

