

## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

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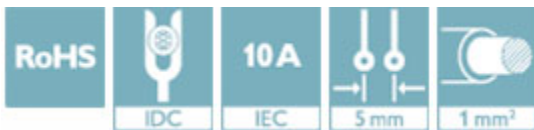


PCB connector, nominal current: 10 A, number of positions: 2, pitch: 5 mm, connection method: Displacement connection, color: green, contact surface: Tin, The plug allows conductors to be looped through from module to module, without interruption


The figure shows a 6-position version

### Your advantages

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



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 606244
GTIN	4017918606244
Weight per Piece (excluding packing)	4.370 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Item properties

Brief article description	Printed-circuit board connector
Plug-in system	CLASSIC COMBICON
Type of contact	Female connector
Range of articles	QC 1/..-ST-BUS
Pitch	5 mm

# Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

## Technical data

### Item properties

Number of positions	2
Connection method	Displacement connection
Locking	without
Number of levels	1
Number of connections	2
Number of potentials	2

### Connection capacity

Conductor cross section flexible	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross section AWG / kcmil	20 ... 18

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)

### Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

### Dimensions for the product

Length [ l ]	29.2 mm
Width [ w ]	10.9 mm
Height [ h ]	15 mm
Pitch	5 mm
Height (without solder pin)	15 mm
Dimension a	5 mm

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

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## Technical data

### General product information

Note	In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
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### Air clearances and creepage distances

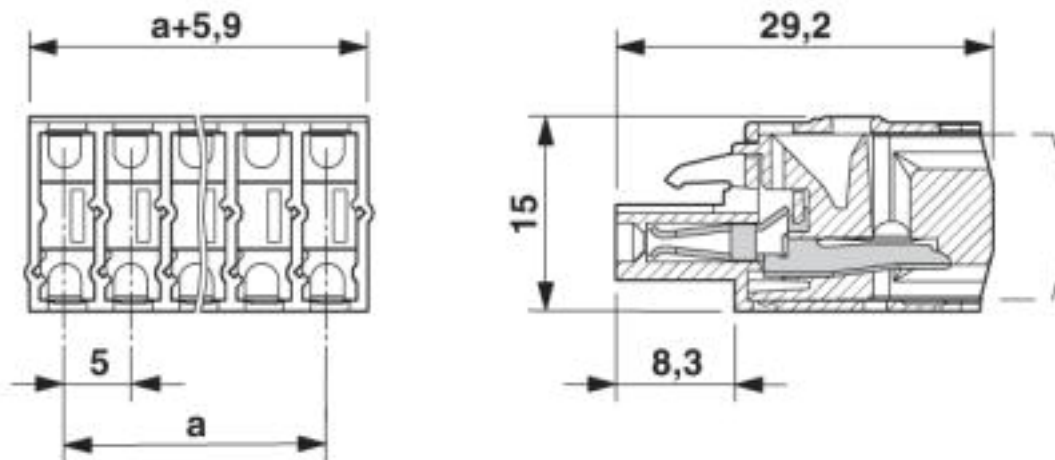
Rated insulation voltage (III/3)	500 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



## Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700

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## Classifications

### eCl@ss

eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
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
ETIM 7.0	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 / cUL Recognized / IECCE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC

#### Ex Approvals


### Approval details


UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	D	
Nominal voltage UN	300 V	300 V	


## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670


### Approvals

	B	D
Nominal current IN	10 A	10 A
mm <sup>2</sup> /AWG/kcmil	22-18	22-18

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
	B	D	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm <sup>2</sup> /AWG/kcmil	22-18	22-18	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60988-B1B2
Nominal voltage UN	250 V		
Nominal current IN	10 A		
mm <sup>2</sup> /AWG/kcmil	0.75-1		

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40004701
Nominal voltage UN	250 V		
Nominal current IN	10 A		
mm <sup>2</sup> /AWG/kcmil	0.75-1		

EAC		B.01742
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### Accessories

Accessories

Coding element

## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

Coding profile - CP-MSTB - 1734634

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



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### Screwdriver tools

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

Feed-through header - MSTBW 2,5/ 2-G - 1736111

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTBV 2,5/ 2-G - 1753437

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



Feed-through header - MSTB 2,5/ 2-G - 1754436

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

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#### Printed-circuit board connector - MSTBVA 2,5/ 2-G - 1755516



PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Printed-circuit board connector - MSTBA 2,5/ 2-G - 1757475



PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

#### Feed-through header - MDSTB 2,5/ 2-G - 1762046



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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 plugs is not possible!

#### Feed-through header - MDSTBV 2,5/ 2-G - 1763032



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!

#### Feed-through header - MSTB 2,5/ 2-G-LA - 1768189



PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering

## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

#### Printed-circuit board connector - SMSTB 2,5/ 2-G - 1769230

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - SMSTBA 2,5/ 2-G - 1769803

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MSTBA 2,5/ 2-G-LA - 1770481

PCB headers, nominal current: 12 A, number of positions: 2, pitch: 5 mm, color: green, contact surface: Tin, mounting: Wave soldering



#### Feed-through header - MDSTBW 2,5/ 2-G - 1802443

PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!



#### Feed-through header - MDSTBVA 2,5/ 2-G - 1845785

PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!



## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

#### Feed-through header - MDSTBA 2,5/ 2-G - 1846519



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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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#### Feed-through header - MSTBO 2,5/ 2-G1R - 1861044



PCB headers, number of positions: 2, pitch: 5 mm, color: green, Article with lateral pin exit

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#### Feed-through header - MSTBO 2,5/ 2-G1L - 1861057



PCB headers, number of positions: 2, pitch: 5 mm, color: green, Article with lateral pin exit

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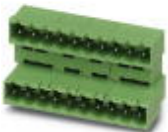
#### Feed-through header - MDSTBA 2,5/ 2-GL - 1877708



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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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#### Feed-through header - MDSTBA 2,5/ 2-GR - 1877711



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!

## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

#### Feed-through header - MDSTBVA 2,5/ 2-GL - 1877724



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!

#### Feed-through header - MDSTBVA 2,5/ 2-GR - 1877737



PCB headers, nominal current: 10 A, number of positions: 2, pitch: 5 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!

#### Feed-through header - MSTBV 2,5/ 2-G THT - 1963942



PCB headers, number of positions: 2, pitch: 5 mm, color: black, User information and design recommendations for through hole reflow technology can be found under "Downloads"

#### Feed-through header - MSTBO 2,5/ 2-G1L THRR32 BK - 2200251



PCB headers, number of positions: 2, pitch: 5 mm, color: black

#### Feed-through header - MSTBO 2,5/ 2-G1R THRR32 BK - 2200252



PCB headers, number of positions: 2, pitch: 5 mm, color: black, Article with lateral pin exit

## Printed-circuit board connector - QC 1/ 2-ST-BUS - 1921670

### Accessories

Feed-through header - MSTBO 2,5/ 2-G1L KMGY - 2854788



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray

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Feed-through header - MSTBO 2,5/ 2-G1R KMGY - 2854791



PCB headers, number of positions: 2, pitch: 5 mm, color: light gray, Article with lateral pin exit

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