

## PCB terminal block - FRONT 2,5-H/SA 5/ 2 - 1868665

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

PCB terminal block, nominal current: 24 A, nom. voltage: 400 V, pitch: 5 mm, number of positions: 2, connection method: Front screw connection, mounting: Wave soldering, conductor/PCB connection direction: 0°, color: green. The article can be aligned to create different nos. of positions!



The figure shows the 10-position version

### Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Operation and conductor connection from one direction enable integration into front of device
- Two solder pins reduce the mechanical strain on the soldering spots
- The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

Packing unit	20 STK
GTIN	
GTIN	4017918266516

### Technical data

#### Dimensions

Length [ l ]	19.5 mm
Pitch	5 mm
Dimension a	5 mm
Width [ w ]	12.5 mm
Constructional height	18.5 mm
Height [ h ]	22.1 mm
Solder pin [ P ]	4.3 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	5 mm

# PCB terminal block - FRONT 2,5-H/SA 5/ 2 - 1868665

## Technical data

### Dimensions

Hole diameter	1.2 mm
---------------	--------

### General

Range of articles	FRONT 2,5-H/SA 5
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)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	24 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	17.5 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	9 mm
Number of positions	2
Screw thread	M2,5
Tightening torque, min	0.4 Nm
Tightening torque max	0.5 Nm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>

# PCB terminal block - FRONT 2,5-H/SA 5/ 2 - 1868665

## Technical data

### Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm <sup>2</sup>
---	----------------------

### Standards and Regulations

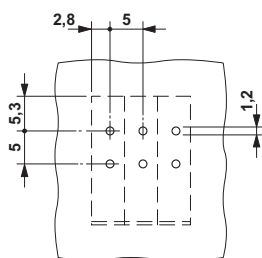
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

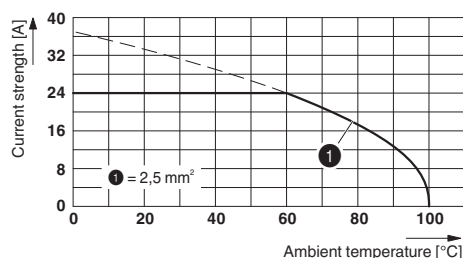
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

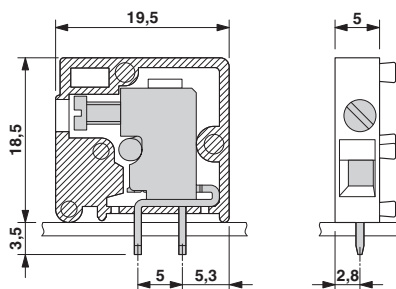
Drilling diagram



Diagram



Dimensional drawing



## Approvals

Approvals

Approvals


CSA / EAC / cULus Recognized


Ex Approvals


# PCB terminal block - FRONT 2,5-H/SA 5/ 2 - 1868665

## Approvals

### Approval details

CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>		13631
		D	B	
Nominal voltage UN		300 V	300 V	
Nominal current IN		10 A	10 A	
mm <sup>2</sup> /AWG/kcmil		24-12	24-12	

EAC		B.01742
-----	---	---------

cULus 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> E60425-19860303		
		D	B	C
Nominal voltage UN		300 V	300 V	300 V
Nominal current IN		20 A	20 A	17 A
mm <sup>2</sup> /AWG/kcmil		30-12	30-12	30-12

Phoenix Contact 2018 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
 Flachsmarktstr. 8  
 32825 Blomberg  
 Germany  
 Tel. +49 5235 300  
 Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>