

PCB terminal block - FRONT 2,5-V/SA 5/ 9 - 1724165

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>)



The illustration shows the 10-position version


PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 9, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

Why buy this product

- Voltage can be increased by using pitch spacers
- Generously dimensioned connection cross section of up to 2.5 mm²
- Two solder pins for a high level of stability on the PCB
- For flush installation on the front of devices
- Screw terminal blocks with front conductor connection



Key commercial data

Packing unit	20 pc
GTIN	 4 046356 465687
Weight per Piece (excluding packing)	30.97 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length	18.5 mm
Pitch	5 mm
Dimension a	40 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	5 mm
Hole diameter	1.2 mm

General

Range of articles	FRONT 2,5-V/SA 5
-------------------	------------------

PCB terminal block - FRONT 2,5-V/SA 5/ 9 - 1724165

Technical data

General

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 ²
Maximum load current	17.5 A
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	9 mm
Number of positions	9
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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	0.75 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	0.75 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm ²

PCB terminal block - FRONT 2,5-V/SA 5/ 9 - 1724165

Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals


Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 	B	D	
	mm ² /AWG/kcmil	24-12	24-12
	Nominal current I _N	10 A	10 A

PCB terminal block - FRONT 2,5-V/SA 5/ 9 - 1724165

Approvals

	B	D
Nominal voltage UN	300 V	300 V

UL Recognized

		B	C	D
mm ² /AWG/kcmil	30-12	30-12	30-12	
Nominal current IN	10 A	17 A	10 A	
Nominal voltage UN	250 V	300 V	300 V	

cUL Recognized

		B	C	D
mm ² /AWG/kcmil	30-12	30-12	30-12	
Nominal current IN	10 A	17 A	10 A	
Nominal voltage UN	250 V	300 V	300 V	

EAC

cULus Recognized

Accessories

Accessories

End cover

PCB terminal block - D-FRONT 2,5-V-O.Z. - 1700011



End cover, necessary at the end of a terminal row, 2.5 mm thick, color: green

Labeled terminal marker

PCB terminal block - FRONT 2,5-V/SA 5/ 9 - 1724165

Accessories

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



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 mm, Lettering field: 5 x 3.8 mm

Pitch spacer

Pitch spacer - RZ 2,5-FRONT 2,5 V - 1700082



Pitch spacer, raises the pitch by 2.5 mm, interlocks with terminal block of the same shape, color: green

Screwdriver tools

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