

PCB terminal block - FRONT 2,5-V/SA10 - 1700053


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://download.phoenixcontact.com>)



PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 1, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 022747
Weight per Piece (excluding packing)	3.44 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Length	18.5 mm
Height	31 mm
Pitch	5 mm
Pin dimensions	0,8 x 0,8 mm
Pin spacing	10 mm
Hole diameter	1.2 mm

General

Range of articles	FRONT 2,5-V/SA10
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

PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Technical data

General

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	1
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
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109

PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Classifications

eCl@ss

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 / GOST / GL / RS / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

		
	B	D
mm ² /AWG/kcmil	24-12	24-12
Nominal current I _N	10 A	10 A
Nominal voltage U _N	300 V	300 V

PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Approvals

UL Recognized

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

cUL Recognized

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

GOST

GL

RS

GOST

cULus Recognized

Accessories

Accessories

Bridge

Insertion bridge - EBP 2- 5 - 1733169



Insertion bridge, fully insulated, for connectors with 5.0 or 5.08 mm pitch, no. of positions: 2

PCB terminal block - FRONT 2,5-V/SA10 - 1700053

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

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



Marker cards, 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

PCB terminal block - 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

Additional products

PCB terminal block - FRONT 2,5-V/SA10 - 1700053

Accessories

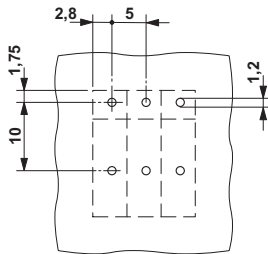
PCB terminal block - D-FRONT 2,5-V-O.Z. - 1700011



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

Drawings

Drilling diagram



Dimensioned drawing

