

## **Excellent Integrated System Limited**

Stocking Distributor

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## PCB terminal block - FRONT 2,5-V/SA 5/ 6 - 1700231

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The illustration shows the 10-position version

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Pitch: 5 mm, Number of positions: 6, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green, The article can be aligned to create different nos. of positions!

### Product Features

- ✓ Voltage can be increased by using pitch spacers
- ✓ Two solder pins for a high level of stability on the PCB
- ✓ Generously dimensioned connection cross section of up to 2.5 mm<sup>2</sup>
- ✓ Screw terminal blocks with front conductor connection
- ✓ For flush installation on the front of devices

### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	23.09 GRM
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Length	18.5 mm
Pitch	5 mm
Dimension a	25 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
Insulating material group	I
Rated surge voltage (III/3)	4 kV

## PCB terminal block - FRONT 2,5-V/SA 5/ 6 - 1700231

### Technical data

#### General

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 <sub>N</sub>	24 A
Nominal cross section	2.5 mm <sup>2</sup>
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	6
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 stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm <sup>2</sup>
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 <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>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.34 mm <sup>2</sup>

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## PCB terminal block - FRONT 2,5-V/SA 5/ 6 - 1700231

### Technical data

#### Connection data

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
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 / GOST / cULus Recognized

#### Ex Approvals

#### Approvals submitted



## PCB terminal block - FRONT 2,5-V/SA 5/ 6 - 1700231

### Approvals

#### Approval details

CSA

	B	D
mm <sup>2</sup> /AWG/kcmil	24-12	24-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

UL Recognized

		B	C	D
mm <sup>2</sup> /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 <sup>2</sup> /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	

GOST

GOST

cULus Recognized

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