

## PCB connection terminal block - SPTA 5/ 2-7,5-ZB - 1819082

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PCB terminal block, Nominal current: 41 A, Nom. voltage: 1000 V, Pitch: 7.5 mm, Number of positions: 2, Connection method: Push-in connection, Mounting: Soldering, Conductor/PCB connection direction: 30 °, Color: green

### Product Features

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Angled connection enables multi-row arrangement on the PCB



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	11.6 g
Custom tariff number	85369010
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	7.50 mm
Dimension a	7.5 mm
Length of the solder pin	4.6 mm
Pin dimensions	1,7 x 0,8
Pin spacing	14 mm
Hole diameter	2.1 mm

#### General

Range of articles	SPTA 5/
Insulating material group	I

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## Technical data

### General

Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	800 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	41 A
Nominal cross section	6 mm <sup>2</sup>
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	15 mm
Number of positions	2

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	6 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.	6 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.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	8
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup>

### Standards and Regulations

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

## Classifications

eCl@ss

eCl@ss 4.0	27141111
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### Classifications

#### eCl@ss

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

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#### Approvals

EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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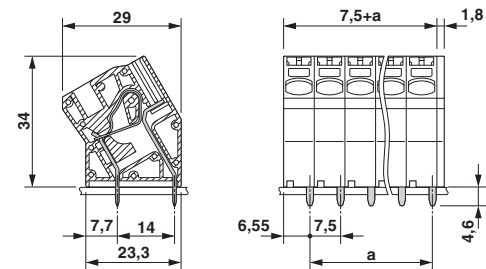
#### Approval details

EAC
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## Approvals

## Drawings

## Dimensional drawing



Graph showing Amperage [A] versus Ambient temperature [°C] for a cable with cross-section  $S = 6 \text{ mm}^2$ .

The graph indicates that the amperage is constant at 40 A for ambient temperatures up to 50°C. Beyond 50°C, the amperage decreases, reaching 0 A at 100°C.

Ambient temperature [°C]	Amperage [A]
0	40
10	40
20	40
30	40
40	40
50	40
60	38
70	32
80	24
90	12
100	0

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