PCB connection terminal block - SPTA 16/ 2-10,0-ZB - 1819202

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PCB terminal block, Nominal current: 76 A, Nom. voltage: 1000 V, Pitch: 10 mm, Number of positions: 2, Connection method: Push-in spring connection, Mounting: Wave 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
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	20.4 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Pitch	10.00 mm
Dimension a	10 mm
Pin dimensions	1,2 x 1
Pin spacing	15 mm
Hole diameter	1.7 mm

General

Range of articles	SPTA16/

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Technical data

General

Insulating material group	I
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)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	16 mm²
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	18 mm
Number of positions	2

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section flexible min.	0.75 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	4
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²

Standards and Regulations

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

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Classifications

eCl@ss

eCl@ss 4.0	27141111
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
eCl@ss 9.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
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

EAC / cULus Recognized / VDE approval of drawings / EAC

Ex Approvals

Approvals submitted

Approval details

EAC

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Approvals

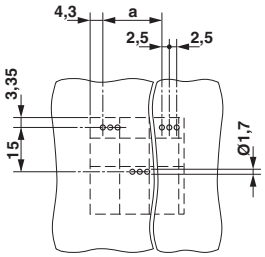
cULus Recognized		
	B	C
mm²/AWG/kcmil	18-4	18-4
Nominal current IN	51 A	51 A
Nominal voltage UN	600 V	600 V

VDE approval of drawings	
mm²/AWG/kcmil	0.75-16
Nominal current IN	76 A
Nominal voltage UN	1000 V

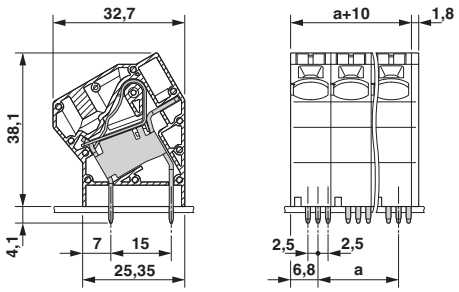
EAC

Drawings

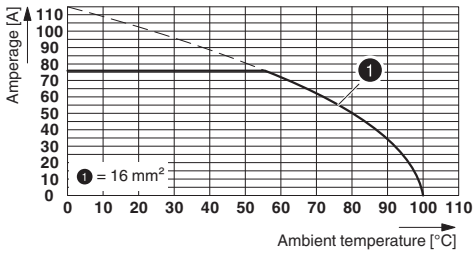
Drilling diagram



Dimensional drawing



Diagram



Type: SPTA 16/ 4-10,0-ZB
Tested in accordance with DIN EN 60512-5-2:2003-01
Reduction factor = 1
Number of positions: 4