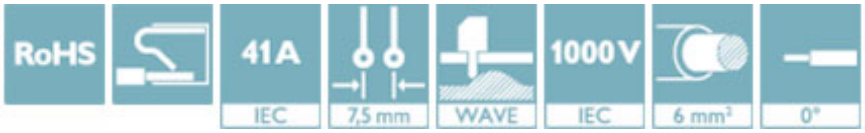
PCB terminal block - SPT 5/ 1-H-7,5 - 1719189

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)

PCB terminal block, nominal current: 41 A, nom. voltage: 1000 V, pitch: 7.5 mm, number of positions: 1, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green

Why buy this product

- 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
- Operation and conductor connection from one direction enable integration into front of device



Key Commercial Data

Packing unit	50 STK
GTIN	4 046356 141284
GTIN	4046356141284

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	SPT 5/..-H
Pitch	7.5 mm
Number of positions	1
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

Electrical parameters

Rated current	41 A
Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	6 kV

PCB terminal block - SPT 5/ 1-H-7,5 - 1719189

Technical data

Connection capacity

Conductor cross section solid	0.2 mm² ... 10 mm²
Conductor cross section flexible	0.2 mm² ... 6 mm²
Conductor cross section AWG / kcmil	24 ... 8
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 6 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 4 mm²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.25 mm² ... 1.5 mm²
Stripping length	15 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated

Material data - housing

Housing color	green (6021)

Dimensions for the product

Length [l]	24.15 mm
Width [w]	9.3 mm
Height [h]	24.22 mm
Pitch	7.5 mm
Height (without solder pin)	14.4 mm
Solder pin [P]	4.6 mm
Dimension a	0 mm
Pin spacing	13.2 mm

Dimensions for PCB design

Hole diameter	2.1 mm
Pin spacing	13.2 mm

Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C

Electrical tests

Rated current	41 A
Rated insulation voltage (III/2)	1000 V

PCB terminal block - SPT 5/ 1-H-7,5 - 1719189

Technical data

Electrical tests

Rated surge voltage (III/2)	6 kV

Air clearances and creepage distances

Insulating material group	I
Comparative tracking index (IEC 60112:2003-01)	CTI 600
Voltage	630 V
Rated insulation voltage (III/3)	630 V
Rated insulation voltage (III/2)	1000 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum clearance - inhomogeneous field (III/2)	5.5 mm
Minimum clearance - inhomogeneous field (II/2)	5.5 mm
Minimum creepage distance value (III/3)	8 mm
Minimum creepage distance value (III/2)	5 mm
Minimum creepage distance value (II/2)	5 mm

Current carrying capacity / derating curves

Standards and Regulations

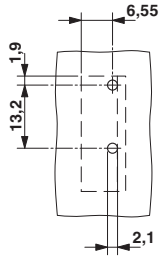
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

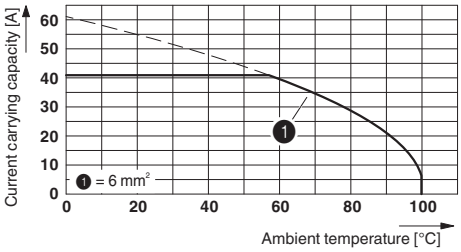
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Drilling diagram



Diagram

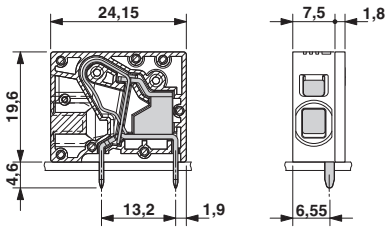


Type: SPT 5/...-H-7,5-ZB
Test following DIN EN 60512-5-2:2003-01
Reduction factor = 1

PCB terminal block - SPT 5/ 1-H-7,5 - 1719189

No. of positions: 5

Dimensional drawing



Approvals

Approvals

Approvals

SEV / CCA / IECEE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3150

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	450 V

CCA	IK-2956

mm²/AWG/kcmil	6
Nominal current IN	41 A
Nominal voltage UN	450 V

IECEE CB Scheme		http://www.iecee.org/	CH-7429

mm²/AWG/kcmil	6
Nominal current IN	41 A

PCB terminal block - SPT 5/ 1-H-7,5 - 1719189

Approvals

Nominal voltage UN	450 V

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129

	B	C	D
mm²/AWG/kcmil	24-8	24-8	24-8
Nominal current IN	36 A	36 A	5 A
Nominal voltage UN	300 V	150 V	600 V

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com