

PCB terminal block - ZFKDSA 1,5C-5,0- 4-EXPROFINET1 - 1033571

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PCB terminal block, nominal current: 16 A, nominal cross section: 1.5 mm², pitch: 5 mm, number of positions: 4, connection method: Spring-cage connection, mounting: Wave soldering, conductor/PCB connection direction: 45 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm. PCB terminal block satisfies the requirements of the "Guideline for PROFINET" in the edition dated 05/2017

Your advantages

- ✓ Satisfies the requirements of the "Guideline for PROFINET" in the edition dated 05/2017
- ✓ Satisfies CAT5 requirements in accordance with EN 50173 and ISO/IEC 11801
- ✓ Satisfies the more stringent safety requirements of "Ex eb" protection according to IEC 60079-7 for potentially explosive areas
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Angled connection enables multi-row arrangement on the PCB
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Actuation shafts that are parallel and orthogonal to the conductor axis enable flexible PCB designs
- ✓ Two solder pins reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4055626539430

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	ZFKDS(A) 1,5C-EX PROFINET
Pitch	5 mm
Number of positions	4
Connection method	Spring-cage connection
Mounting type	Wave soldering
Pin layout	Linear pinning
Number of levels	1

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Technical data

Item properties

Number of connections	4
Number of potentials	4

Electrical parameters

Nominal current	16 A
Nom. voltage	176 V
Rated current	16 A

Connection capacity

Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Stripping length	7 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	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (10 - 16 µm Sn)
Metal surface soldering area (top layer)	Tin (10 - 16 µm Sn)

Material data - housing

Housing color	green (6021)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions for the product

Length [l]	14.1 mm
Width [w]	21 mm
Height [h]	16.25 mm
Pitch	5 mm
Height (without solder pin)	12.75 mm
Solder pin [P]	3.5 mm
Pin spacing	5.08 mm
Pin dimensions	0.7 x 0.7 mm

Dimensions for PCB design

Hole diameter	1.1 mm
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Technical data

Dimensions for PCB design

Pin spacing	5.08 mm
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Packaging information

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

Electrical tests

Rated current	16 A
Conductor cross section	1.5 mm ²

Standards and Regulations

Flammability rating according to UL 94	V0
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Environmental Product Compliance

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

Classifications

eCl@ss

eCl@ss 10.0.1	27440401
eCl@ss 5.1	27261100
eCl@ss 6.0	27261100
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401
eCl@ss 9.0	27440401

ETIM

ETIM 5.0	EC002643
ETIM 6.0	EC002643
ETIM 7.0	EC002643

Approvals

Approvals

Approvals

cULus Recognized

Ex Approvals

IECEX / ATEX / EAC Ex

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Approvals

Approval details

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-19941110
	B	D
Nominal voltage UN	250 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	26-12	26-12

Accessories

Accessories

Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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