

1034522

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PCB terminal block, nominal current: 23 A, nominal cross section: 2.5 mm², number of potentials: 4, number of rows: 1, number of positions per row: 4, product range: SPT 2,5/..-H-EX PROFINET, pitch: 5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 2.5 mm, number of solder pins per potential: 2, type of packaging: packed in cardboard. PCB terminal block satisfies the requirements of the "Guideline for PROFINET" in the 2017-05 edition, suitable for CAT5

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
- · Operation and conductor connection from one direction enable integration into front of device
- · Time saving push-in connection, tools not required
- · Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- · Two solder pins reduce the mechanical strain on the soldering spots

Commercial data

Item number	1034522
Packing unit	1 pc
Minimum order quantity	50 pc
Sales key	AA13
Product key	AAMBFB
GTIN	4055626539744
Weight per piece (including packing)	5.934 g
Weight per piece (excluding packing)	5.9 g
Customs tariff number	85369010
Country of origin	PL



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Technical data

Product properties

Product line	COMBICON Terminals M
Product type	Printed circuit board terminal
Product family	SPT 2,5/H-EX PROFINET
Number of positions	4
Pitch	5 mm
Number of connections	4
Number of rows	1
Number of potentials	4
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Nominal current I _N	23 A
Nominal voltage U _N	176 V
Rated current / conductor cross section	23 A/2.5 mm²
Degree of pollution	3
Rated voltage (III/3)	176 V

Ex data

Ex approval	
Identification	0344 H 2GD / Ex eb IIC Gb
EU-type examination certificate	KEMA 07ATEX0193 U
IECEx certificate	IECEx KEM 07.0057 U

Connection data

Connection technology	
Nominal cross section	2.5 mm ²
Conductor connection	
Connection method	Push-in spring connection
Conductor cross section rigid	0.2 mm ² 4 mm ²
Conductor cross section flexible	0.2 mm ² 2.5 mm ²
Conductor cross section AWG	24 14
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² 2.5 mm ² (Stripping length 8 mm)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² 1.5 mm ² (Stripping length 8 mm)
Stripping length	10 mm

Mounting

Mounting type N	Vave soldering
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Pin layout	Linear pinning
Connection method	Push-in spring connection

Material specifications

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 (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

Material data - housing

Color (Housing)	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

Notes

General The item is qualified for CAT5 Ethernet applications. For this reason, it is suited for use in IoT devices.

Dimensions

Dimensional drawing	h b p p p
Pitch	5 mm
Width [w]	23.9 mm
Height [h]	16 mm
Length [I]	14.4 mm
Installed height	13.5 mm
Solder pin length [P]	2.5 mm
Pin dimensions	0.8 x 0.8 mm
PCB design	
Pin spacing	8.2 mm
Hole diameter	1.1 mm



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Electrical tests

Air clearances and creepage distances	
Insulating material group	1
Rated insulation voltage (III/3)	176 V
Environmental and real-life conditions Ambient conditions	
Ambient temperature (operation)	-50 °C 110 °C
Ambient temperature (storage/transport)	-40 °C 70 °C
Relative humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 100 °C

Packaging specifications

LVDO	ot.	nac	kaging
1 4 0 0 0	UI.	Dau	Naulliu

packed in cardboard

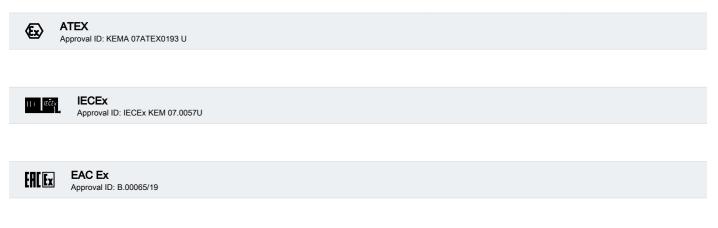


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Approvals

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Classifications

ECLASS

ECLASS-11.0 2	27460101
ECLASS-12.0	27460101
ECLASS-13.0	27460101

ETIM

	ETIM 8.0	EC002643		
UNSPSC				
	UNSPSC 21.0	39121400		



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Environmental product compliance

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

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