1705595

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PCB terminal block, nominal current: 8 A, rated voltage (III/2): 320 V, nominal cross section: 1.5 mm², number of potentials: 7, number of rows: 1, number of positions per row: 7, product range: MKDSD 1,5, pitch: 3.81 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 2.7 mm, number of solder pins per potential: 2, type of packaging: packed in cardboard

Your advantages

- · Well-known connection principle allows worldwide use
- · Low temperature rise, thanks to maximum contact force
- · Allows connection of two conductors
- · Two solder pins reduce the mechanical strain on the soldering spots
- · The latching on the side enables various numbers of positions to be combined

Commercial data

Item number	1705595
Packing unit	50 рс
Minimum order quantity	50 рс
Sales key	AA12
Product key	AALFGL
Catalog page	Page 23 (CC-2005)
GTIN	4017918144524
Weight per piece (including packing)	5.68 g
Weight per piece (excluding packing)	5.57 g
Customs tariff number	85369010
Country of origin	BG



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Technical data

Product properties

Туре	PC termination block
Product line	COMBICON Terminals S
Product type	Printed circuit board terminal
Product family	MKDSD 1,5
Number of positions	7
Pitch	3.81 mm
Number of connections	7
Number of rows	1
Number of potentials	7
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Nominal current I _N	8 A
Nominal voltage U _N	320 V
Degree of pollution	3
Rated voltage (III/3)	200 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Rated voltage (II/2)	500 V
Rated surge voltage (II/2)	4 kV

Connection data

PC termination block
1.5 mm ²
Screw connection with tension sleeve
0.14 mm ² 1.5 mm ²
0.14 mm ² 1.5 mm ²
26 16
0.25 mm² 1.5 mm²
0.25 mm² 0.5 mm²
0.14 mm² 0.5 mm²
0.14 mm² 0.5 mm²
0.25 mm² 0.34 mm²
0.5 mm² 0.5 mm²

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ferrule with plastic sleeve	
Stripping length	7 mm
Tightening torque	0.22 Nm 0.25 Nm

Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning
Drive form screw head	Slotted (L)
Drive form screw head	Slotted (L)

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 (5 - 7 μm Sn)
Metal surface soldering area (top layer)	Tin (5 - 7 μm Sn)

Material data - housing

-	
Color (Housing)	green (6021)
Insulating material	PA
Insulating material group	1
CTI according to IEC 60112	600
Flammability rating according to UL 94	VO
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

Dimensional drawing	h P
Pitch	3.81 mm
Width [w]	27.76 mm
Height [h]	15.3 mm
Length [I]	9.3 mm
Installed height	12.6 mm
Solder pin length [P]	2.7 mm
Pin dimensions	0.5 x 0.8 mm



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PCB design

Hole diameter

1.1 mm

Electrical tests

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	1
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	200 V
Rated surge voltage (III/3)	4 kV
minimum clearance value - non-homogenous field (III/3)	1.5 mm
minimum creepage distance (III/3)	2.5 mm
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
minimum clearance value - non-homogenous field (III/2)	1.5 mm
minimum creepage distance (III/2)	1.5 mm
Rated insulation voltage (II/2)	500 V
Rated surge voltage (II/2)	4 kV
minimum clearance value - non-homogenous field (II/2)	1.5 mm
minimum creepage distance (II/2)	2 mm

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-40 °C 100 °C (Depending on the current carrying capacity/derating curve)
Ambient temperature (storage/transport)	-40 °C 70 °C
Relative humidity (storage/transport)	30 % 70 %
Ambient temperature (assembly)	-5 °C 100 °C

Packaging specifications

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Classifications

ECLASS

ECLASS-12.0 27460101	ECLASS-11.0	27460101
ECLASS 13.0 27/60/01	ECLASS-12.0	27460101
27400101	ECLASS-13.0	27460101

ETIM

	ETIM 9.0	EC002643
UN	ISPSC	
	UNSPSC 21.0	39121400

1705595

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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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