

1098171

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Printed circuit board terminal, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm², number of potentials: 6, number of rows: 1, number of positions per row: 6, product range: LPT 6/, pitch: 7.5 mm, connection method: Lever Push-in connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Zigzag pinning W, Solder pin [P]: 3.6 mm, type of packaging: packed in cardboard

Your advantages

- · Tool-free lever principle enables time-saving connection and release of conductors with/without ferrules
- · Clear lever positions provide reliable feedback on opened or closed clamping spaces
- · Defined contact force ensures that contact remains stable over the long term
- · Time-saving push-in connection when lever is closed
- · Intuitive operation, thanks to a color-coded actuation lever

Commercial data

Item number	1098171
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Sales key	AA14
Product key	AANTBA
GTIN	4055626941738
Weight per piece (including packing)	29.08 g
Weight per piece (excluding packing)	26.437 g
Customs tariff number	85369010
Country of origin	CN



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Technical data

Product properties

Product type	Printed circuit board terminal
Product family	LPT 6/
Product line	COMBICON Terminals L
Number of positions	6
Pitch	7.5 mm
Number of connections	6
Number of rows	1
Number of potentials	6
Pin layout	Zigzag pinning W
Data management status	
Article revision	03

Electrical properties

Nominal current I _N	41 A
Nominal voltage U _N	1000 V
Rated voltage (III/3)	1000 V
Rated surge voltage (III/3)	8 kV
Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV
Rated voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV

Connection data

Connection technology

Nominal cross section	6 mm²
Conductor connection	
Connection method	Lever Push-in connection
Conductor cross section rigid	0.2 mm² 10 mm² (Conductor connection with open terminal point)
	0.5 mm ² 10 mm ² (Push-in connection)
Conductor cross section flexible	0.34 mm² 10 mm²
Conductor cross section AWG	22 8
Conductor cross section flexible, with ferrule without plastic sleeve	0.2 mm ² 6 mm ² (Conductor connection with open terminal point)
	1.5 mm ² 6 mm ² (Push-in connection)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.2 mm ² 6 mm ² (Conductor connection with open terminal point)
	0.5 mm² 6 mm² (Push-in connection)
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² 2.5 mm²



1098171

Length [I]

Installed height

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Stripping length	12 mm 14 mm
unting	
Mounting type	Wave soldering
Pin layout	Zigzag pinning W
terial 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	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	
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
Material data – actuating element	
Color (Actuating element)	orange (2003)
Insulating material	PA GF
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
nensions	
Dimensional drawing	h p
Pitch	7.5 mm
Width [w]	46 mm
Height [h]	27.85 mm

24.3 mm 24.25 mm



1098171

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Rated surge voltage (II/2)

Solder pin length [P]	3.6 mm
Pin dimensions	1.5 x 1.2 mm
riii uiiielisiolis	1.5 X 1.2 IIIIII
PCB design	
Hole diameter	2 mm
echanical tests	
Test for conductor damage and slackening	
Specification	IEC 60999-1:1999-11
Result	Test passed
Pull-out test	
Specification	IEC 60999-1:1999-11
Conductor cross section/conductor type/tractive force	0.2 mm² / solid / > 10 N
setpoint/actual value	0.34 mm² / flexible / > 15 N
	10 mm² / solid / > 90 N
	10 mm² / flexible / > 90 N
Femperature-rise test Specification	IEC 60947-7-4:2019-01
Temperature-rise test Specification Requirement temperature-rise test	IEC 60947-7-4:2019-01 The sum of ambient temperature and temperature rise of the
	PCB terminal block shall not exceed the upper limiting temperature.
Short-time withstand current	
Specification	IEC 60947-7-4:2019-01
Insulation resistance	
Specification	IEC 60512-3-1:2002-02
Insulation resistance, neighboring positions	> 5 MΩ
Air clearances and creepage distances	
Specification	IEC 60947-7-4:2019-01
Insulating material group	1
Comparative tracking index (IEC 60112)	CTI 600
Rated insulation voltage (III/3)	1000 V
Rated surge voltage (III/3)	8 kV
minimum clearance value - non-homogenous field (III/3)	8 mm
minimum creepage distance (III/3)	12.5 mm
Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV
minimum clearance value - non-homogenous field (III/2)	8 mm
minimum creepage distance (III/2)	8 mm
Rated insulation voltage (II/2)	1000 V

6 kV



1098171

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Packaging specifications

Type of packaging

ninimum clearance value - non-homogenous field (II/2)	5.5 mm
iinimum creepage distance (II/2)	J.J IIIII
ronmental and real-life conditions	
bration test	
Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 Hz 60.1 Hz)
Acceleration	50 m/s² (60.1 Hz 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis
llow-wire test	150 00005 0 10 00 10 01
Specification	IEC 60695-2-10:2013-04
Temperature	850 °C
Time of exposure	5 s
ging	
Specification	IEC 60947-7-4:2019-01
11. 1. 199	
mbient conditions	
Ambient temperature (operation)	-40 °C 105 °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
7 and one tomporators (accombly)	

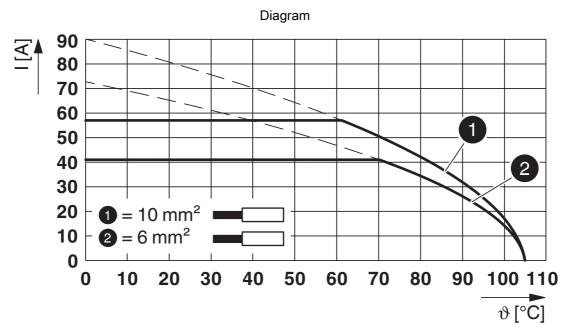
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Drawings



Type: LPT 6/...-7,5-ZB



1098171

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Classifications

ECLASS

202.00		
	ECLASS-11.0	27460101
	ECLASS-13.0	27460101
	ECLASS-12.0	27460101
ETIM		
	ETIM 9.0	EC002643
UN	NSPSC	
	UNSPSC 21.0	39121400



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%
EF3.0 Climate Change	
CO2e kg	0.881 kg CO2e

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