

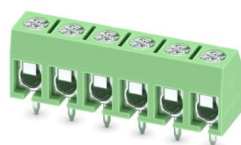
BCW-500X10- 6 GN - PCB terminal block



1304182

<https://www.phoenixcontact.com/us/products/1304182>

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PCB terminal block, nominal current: 15 A, nominal cross section: 2.5 mm², number of potentials: 6, number of rows: 1, pitch: 5 mm, connection method: Screw connection with wire protector, screw head form: H1L Slotted Phillips recess, mounting: Wave soldering, conductor/PCB connection direction: 0 °, Pin layout: Linear pinning, Solder pin [P]: 3.6 mm, 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

Commercial data

Item number	1304182
Packing unit	100 pc
Minimum order quantity	1,000 pc
Note	Made to order (non-returnable)
Product key	AALFPJ
GTIN	4063151551926
Weight per piece (including packing)	2.22 g
Weight per piece (excluding packing)	4.794 g
Country of origin	CN

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Technical data

Product properties

Product type	PCB terminal block
Product family	BCW-X10
Product line	COMBICON Terminals S
Pitch	5 mm
Number of connections	6
Number of rows	1
Number of potentials	6
Pin layout	Linear pinning

Electrical properties

Properties

Nominal current I_N	15 A
Nominal voltage U_N	250 V
Rated voltage (II/2)	250 V
Rated surge voltage (II/2)	2.5 kV

Connection data

Connection technology

Nominal cross section	2.5 mm ²
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Conductor connection

Connection method	Screw connection with wire protector
Conductor cross-section rigid	0.2 mm ² ... 2.5 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	0.2 mm ² ... 1.5 mm ²
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.2 mm ² ... 1.5 mm ²
2 conductors with same cross section, rigid	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible	0.2 mm ² ... 0.75 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.2 mm ² ... 0.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 0.75 mm ²
Stripping length	4 mm ... 5 mm
Drive form screw head	Slotted Phillips recess (H1L)
Tightening torque	0.3 Nm ... 0.4 Nm

Mounting

Mounting type	Wave soldering
Pin layout	Linear pinning

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Material specifications

Material data - contact

Contact material	Cu alloy
Surface characteristics	tin-plated

Material data - housing

Insulating material	PA
Flammability rating according to UL 94	V0

Notes

Note on application	For safe conductor connection, always adhere to a defined tightening torque. Particularly in the case of PCB terminal blocks with two or three positions, the individual solder pin for each contact point cannot compensate for this. That is why the terminal blocks must be supported during conductor connection (held with one hand, support on the housing).
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Dimensions

Pitch	5 mm
Width [w]	30 mm
Height [h]	13.7 mm
Length [l]	7.6 mm
Installed height	10.1 mm
Solder pin length [P]	3.6 mm

PCB design

Hole diameter	1.3 mm
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Electrical tests

Air clearances and creepage distances |

Rated insulation voltage (II/2)	250 V
Rated surge voltage (II/2)	2.5 kV

Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 105 °C

Packaging specifications

Type of packaging	packed in cardboard
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1304182>

 cULus Recognized Approval ID: File E 60525				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
B				
	300 V	15 A	24 - 14	-
D				
	300 V	10 A	24 - 14	-

 VDE approval of drawings Approval ID: 40054516				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	250 V	15 A	-	0.2 - 2.5

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Classifications

ECLASS

ECLASS-13.0	27460101
ECLASS-15.0	27460101

ETIM

ETIM 10.0	EC002643
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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