

## INDUSTRIAL COMPONENT DATA

# BC-508X18- 2 BK 5452263 PHOENIX CONTACT PCB terminal block

Brand: PHOENIX CONTACT | Manufacturer Part Number: BC-508X18-2 BK



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | BC-508X18-2 BK                 |
| Catalog number  | 5452263                        |
| Category        | Printed circuit board terminal |
| Minimum order   | 100 Pcs                        |
| Document ID     | EO-A7F02328BD                  |
| Generated       | 2026-08-04                     |

## Product Overview

PCB terminal block

Terminal block for printed circuit board, nominal current: 24 A, nominal voltage (III/2): 400 V, nominal cross-section: 2.5 mm<sup>2</sup>, number of potentials: 2, number of rows: 1, number of poles per row: 2, article family: BC-X18, pitch: 5.08 mm, connection type: Screw connection with traction capsule, mounting: Wave soldering, conductor connection direction/printed circuit board: 0 °, color: black, Pin arrangement: Linear pin arrangement, Pin length [P]: 3.5 mm, number of solder pins per potential: 1, packaging type: boxed packaging. The item can be aligned with different numbers of poles!

Printed circuit board terminal, nominal current: 24 A, rated voltage (III/2): 400 V, nominal cross section: 2.5 mm<sup>2</sup>, number of potentials: 2, number of rows: 1, number of positions per row: 2, product range: BC-X18, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: H1L Slotted Phillips recess, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: black, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 1, type of packaging: packed in cardboard. The article can be aligned to create different nos. of positions!

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

Catalog path PHOENIX CONTACT > PCB Connectors (PCC)

## Additional Product Information

Technical dataProduct propertiesProduct type Printed circuit board terminal

Product family BC-X18

Product line COMBICON Terminals M

Type PC terminal block can be aligned

Number of positions 2

Pitch 5.08 mm  
Number of connections 2  
Number of rows 1  
Number of potentials 2  
Pin layout Linear pinning  
Solder pins per potential 1  
Data management status  
Article revision 03  
Electrical propertiesNominal current  $I_N$  24 A  
Nominal voltage  $U_N$  400 V  
Rated voltage (III/3) 250 V  
Rated surge voltage (III/3) 4 kV  
Rated voltage (III/2) 400 V  
Rated surge voltage (III/2) 4 kV  
Rated voltage (II/2) 630 V  
Rated surge voltage (II/2) 4 kV  
Connection dataConnection technology  
Type PC terminal block can be aligned  
Nominal cross section 2.5 mm<sup>2</sup>  
Conductor connection  
Connection method Screw connection with tension sleeve  
Conductor cross section rigid 0.2 mm<sup>2</sup> ... 4 mm<sup>2</sup>  
Conductor cross section flexible 0.2 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>  
Conductor cross section AWG 24 ... 12  
Conductor cross section flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>  
Conductor cross section, flexible, with ferrule, with plastic sleeve 0.25 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
2 conductors with same cross section, solid 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
2 conductors with same cross section, flexible 0.2 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
2 conductors with same cross section, flexible, with ferrule without plastic sleeve 0.25 mm<sup>2</sup> ... 0.75 mm<sup>2</sup>  
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve 0.5 mm<sup>2</sup> ... 1.5 mm<sup>2</sup>  
Stripping length 7 mm  
Drive form....

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / BC-508X18-2 BK with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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