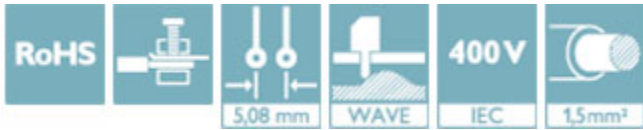


PCB terminal block - BC-508X10- 4 GY - 5436238

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 400 V, Pitch: 5.08 mm, Number of positions: 4, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: signal grey



Key Commercial Data

| | |
|------------------------|----------|
| Packing unit | 1 STK |
| Minimum order quantity | 100 STK |
| Custom tariff number | 85369010 |
| Country of origin | China |

Technical data

Environmental Product Compliance

| | |
|------------|--|
| China RoHS | Hazardous substances above threshold values; |
| | Environmentally Friendly Use Period = 50; |
| | For details go to tab "Downloads", Category "Manufacturer's declaration" |

Dimensions

| | |
|--------------------------|-----------|
| Length | 8.1 mm |
| Pitch | 5.08 mm |
| Dimension a | 15.24 mm |
| Width | 20.32 mm |
| Constructional height | 10 mm |
| Height | 13.5 mm |
| Length of the solder pin | 3.5 mm |
| Pin dimensions | 1,0 x 0,5 |
| Hole diameter | 1.3 mm |

General

PCB terminal block - BC-508X10- 4 GY - 5436238

Technical data

General

| | |
|----------------------------------|---------------------|
| Range of articles | BC-X10 |
| Rated surge voltage (III/3) | 4 kV |
| Rated surge voltage (III/2) | 4 kV |
| Rated surge voltage (II/2) | 4 kV |
| Rated voltage (III/3) | 250 V |
| Rated voltage (III/2) | 400 V |
| Rated voltage (II/2) | 630 V |
| Connection in acc. with standard | EN-VDE |
| Nominal current I_N | 13.5 A |
| Nominal cross section | 1.5 mm ² |
| Solder pin surface | Sn |
| Internal cylindrical gage | A1 |
| Stripping length | 6 mm |
| Number of positions | 4 |
| Screw thread | M3 |
| Tightening torque, min | 0.5 Nm |
| Tightening torque max | 0.6 Nm |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.14 mm ² |
| Conductor cross section solid max. | 1.5 mm ² |
| Conductor cross section flexible min. | 0.14 mm ² |
| Conductor cross section flexible max. | 1.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 1 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.25 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 1.5 mm ² |
| Conductor cross section AWG min. | 26 |
| Conductor cross section AWG max. | 16 |
| 2 conductors with same cross section, solid min. | 0.14 mm ² |
| 2 conductors with same cross section, solid max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded min. | 0.14 mm ² |
| 2 conductors with same cross section, stranded max. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.25 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |

PCB terminal block - BC-508X10- 4 GY - 5436238

Technical data

Connection data

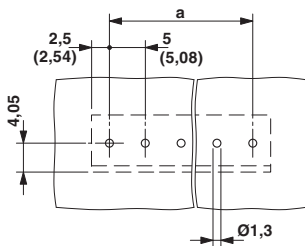
| | |
|---|----------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 0.75 mm ² |
|---|----------------------|

Standards and Regulations

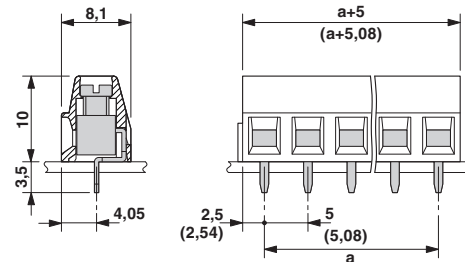
| | |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |

Drawings

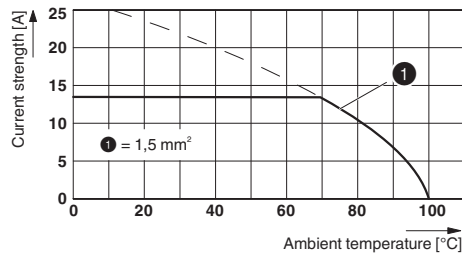
Drilling diagram



Dimensional drawing



Diagram



Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27141111 |
| eCl@ss 4.1 | 27141109 |
| eCl@ss 5.0 | 27141190 |
| eCl@ss 5.1 | 27141190 |
| eCl@ss 6.0 | 27261101 |
| eCl@ss 7.0 | 27440401 |
| eCl@ss 8.0 | 27440401 |
| eCl@ss 9.0 | 27440401 |

PCB terminal block - BC-508X10- 4 GY - 5436238

Classifications

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002643 |
| ETIM 5.0 | EC002643 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211801 |
| UNSPSC 7.0901 | 39121432 |
| UNSPSC 11 | 39121432 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121432 |

Approvals


Approvals


Approvals

UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IEC/CEB Scheme / cULus Recognized

Ex Approvals

Approval details


| | | |
|--|-------|-------|
| UL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | | |
| | B | D |
| mm ² /AWG/kcmil | 30-14 | 30-14 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |


| | | |
|---|-------|-------|
| cUL Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 60425 | | |
| | B | D |
| mm ² /AWG/kcmil | 30-14 | 30-14 |
| Nominal current I _N | 10 A | 10 A |


PCB terminal block - BC-508X10- 4 GY - 5436238

Approvals

| | | |
|--------------------|-------|-------|
| | B | D |
| Nominal voltage UN | 300 V | 300 V |

| | |
|---|----------|
| VDE Zeichengenehmigung  http://www.vde.de 40042618 | |
| mm ² /AWG/kcmil | 0.14-1.5 |
| Nominal current IN | 13.5 A |
| Nominal voltage UN | 400 V |

| | |
|---|----------|
| IECEE CB Scheme  http://www.iecee.org/ DE1-55876 | |
| mm ² /AWG/kcmil | 0.14-1.5 |
| Nominal current IN | 13.5 A |
| Nominal voltage UN | 400 V |

| | |
|--|--|
| cULus Recognized  http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | |
|--|--|

Accessories

Accessories

Labeled terminal marker

Marker card - SK 5/3,8:FORTL.ZAHLEN - 0804183



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm

Marker pen

PCB terminal block - BC-508X10- 4 GY - 5436238

Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Marker card - SK 5/3,8:UNBEDRUCKT - 0805409



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 5 mm, Lettering field: 5 x 3.8 mm