

## PCB terminal block - BC-381X9-14 GY - 5430276

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PCB terminal block, Nominal current: 13.5 A, Nom. voltage: 200 V, Pitch: 3.81 mm, Number of positions: 14, Connection method: Screw connection with tension sleeve, Mounting: Wave soldering, Conductor/PCB connection direction: 0 °, Color: signal grey

The illustration shows the 3-pos. version



### Key Commercial Data

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

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 7.3 mm       |
| Pitch                    | 3.81 mm      |
| Dimension a              | 49.53 mm     |
| Height                   | 8.5 mm       |
| Length of the solder pin | 3.5 mm       |
| Pin dimensions           | 0,5 x 0,9 mm |
| Hole diameter            | 1.1 mm       |

#### General

|                             |        |
|-----------------------------|--------|
| Range of articles           | BC-X9  |
| Insulating material group   | I      |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated surge voltage (III/2) | 2.5 kV |
| Rated surge voltage (II/2)  | 2.5 kV |

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### Technical data

#### General

|                                        |                     |
|----------------------------------------|---------------------|
| Rated voltage (III/3)                  | 160 V               |
| Rated voltage (III/2)                  | 200 V               |
| Rated voltage (II/2)                   | 400 V               |
| Connection in acc. with standard       | EN-VDE              |
| Nominal current $I_N$                  | 13.5 A              |
| Nominal cross section                  | 1.5 mm <sup>2</sup> |
| Insulating material                    | PA                  |
| Solder pin surface                     | Sn                  |
| Flammability rating according to UL 94 | V0                  |
| Stripping length                       | 5 mm                |
| Number of positions                    | 14                  |
| Screw thread                           | M2                  |
| Tightening torque, min                 | 0.22 Nm             |
| Tightening torque max                  | 0.25 Nm             |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible min.                                      | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.                                      | 1.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve min.    | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section AWG min.                                           | 26                   |
| Conductor cross section AWG max.                                           | 16                   |
| 2 conductors with same cross section, solid min.                           | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.                        | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                        | 0.34 mm <sup>2</sup> |

#### Standards and Regulations

|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

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### 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 |

#### ETIM

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

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

#### Approvals

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#### Approvals

UL Recognized / cUL Recognized / VDE Zeichengenehmigung / IECEx CB Scheme / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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#### Approval details

## PCB terminal block - BC-381X9-14 GY - 5430276

### Approvals

|                                                                                                 |       |       |
|-------------------------------------------------------------------------------------------------|-------|-------|
| UL Recognized  |       |       |
|                                                                                                 | B     | D     |
| mm²/AWG/kcmil                                                                                   | 30-16 | 30-16 |
| Nominal current I <sub>N</sub>                                                                  | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                  | 300 V | 300 V |

|                                                                                                  |       |       |
|--------------------------------------------------------------------------------------------------|-------|-------|
| cUL Recognized  |       |       |
|                                                                                                  | B     | D     |
| mm²/AWG/kcmil                                                                                    | 30-16 | 30-16 |
| Nominal current I <sub>N</sub>                                                                   | 10 A  | 10 A  |
| Nominal voltage U <sub>N</sub>                                                                   | 300 V | 300 V |

|                                                                                                            |          |
|------------------------------------------------------------------------------------------------------------|----------|
| VDE Zeichengenehmigung  |          |
|                                                                                                            |          |
| mm²/AWG/kcmil                                                                                              | 0.14-1.5 |
| Nominal current I <sub>N</sub>                                                                             | 13.5 A   |
| Nominal voltage U <sub>N</sub>                                                                             | 200 V    |

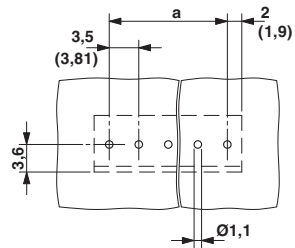
|                                                                                                     |          |
|-----------------------------------------------------------------------------------------------------|----------|
| IECEE CB Scheme  |          |
|                                                                                                     |          |
| mm²/AWG/kcmil                                                                                       | 0.14-1.5 |
| Nominal current I <sub>N</sub>                                                                      | 13.5 A   |
| Nominal voltage U <sub>N</sub>                                                                      | 200 V    |

|                                                                                                      |  |
|------------------------------------------------------------------------------------------------------|--|
| cULus Recognized  |  |
|------------------------------------------------------------------------------------------------------|--|

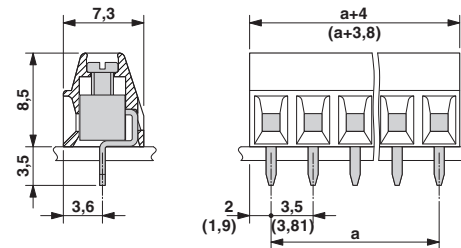
### Drawings

## PCB terminal block - BC-381X9-14 GY - 5430276

Drilling diagram



Dimensional drawing



Diagram

