

## Overview

### Product information



## DG301-5.0-10050000085

PCB terminal blocks, Rated current: 17.5A, Rated voltage (III/2) 250V, Cross section: 1.5mm<sup>2</sup>, pitch: 5.0mm, connector method: screw connector with wire protection, Color: blue, Contact surface : Tin

### Product advantages

- ☒ Universal installation method to ensure a high degree of flexibility in device design
- ☒ Different poles can be combined through the side lock

### Product certification



## Technical data

### Product drawing

### 3D model

□

### Processing notes

Process

Wave soldering/manual soldering

### Connection capacity

Conductor cross section solid

0.75~1.5mm<sup>2</sup>

Conductor cross section flexible

0.75~1.5mm<sup>2</sup>

AWG

22~14AWG

Strip length

6mm

### Electrical parameters UL

Rated voltage (B)

300V

|                   |     |
|-------------------|-----|
| Rated current (B) | 15A |
|-------------------|-----|

#### Electrical parameters IEC

|                            |       |
|----------------------------|-------|
| Rated voltage              | 250V  |
| Rated current              | 17.5A |
| Rated voltage(III/2)       | 250V  |
| Rated surge voltage(III/2) | 2KV   |

#### Item properties

|                      |                                       |
|----------------------|---------------------------------------|
| Connection direction | 0°                                    |
| Type of installation | PCB welding                           |
| Pin arrangement      | Single row in a straight line         |
| Connection method    | Screw connection with wire protection |
| Screwdriver          | Slotted screwdriver                   |
| screw thread         | M2.5                                  |
| Pitch                | 5mm                                   |
| Number of potentials | 2                                     |
| Pluggable or not     | no                                    |
| Number of rows       | 1                                     |

#### Material data

|                             |                           |
|-----------------------------|---------------------------|
| Environmental items         | Compliant with REACH/RoHS |
| Contact material            | Copper alloy              |
| Contact point metal surface | tin-plated                |
| Insulation Materials        | PBT                       |
| Insulating material group   | IIIb                      |
| Flammability rating         | UL94V-0                   |

#### Mechanical tests

|                    |                 |
|--------------------|-----------------|
| Test Specification | UL1059/IEC60998 |
|--------------------|-----------------|

|                    |
|--------------------|
| Environmental data |
|--------------------|

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Ambient temperature (operation) | -30°C~120°C(depending on derating curve) |
|---------------------------------|------------------------------------------|

|             |
|-------------|
| Accessories |
|-------------|

|             |
|-------------|
| Accessories |
|-------------|

|              |   |
|--------------|---|
| Coding strip | / |
|--------------|---|

|        |           |
|--------|-----------|
| Bridge | DG019-5.0 |
|--------|-----------|

|               |   |
|---------------|---|
| Marking strip | / |
|---------------|---|

|        |   |
|--------|---|
| Others | / |
|--------|---|

|      |
|------|
| Tool |
|------|

|                |   |
|----------------|---|
| Operating tool | / |
|----------------|---|

|             |                                |
|-------------|--------------------------------|
| Screwdriver | 0.6x3.5mm, Slotted screwdriver |
|-------------|--------------------------------|

|               |
|---------------|
| Business data |
|---------------|

|              |             |
|--------------|-------------|
| Order number | 10050000085 |
|--------------|-------------|

|              |      |
|--------------|------|
| Packing unit | #N/A |
|--------------|------|

|                        |    |
|------------------------|----|
| Minimum order quantity | 30 |
|------------------------|----|

|                                     |      |
|-------------------------------------|------|
| Products weight (without packaging) | #N/A |
|-------------------------------------|------|