

## Overview

## Product information

**DG500A3-5.08-10040000323**

PCB terminal blocks, Rated current: 18A, Rated voltage (III/2) 250V, Cross section: 1.0~2.5mm<sup>2</sup>, pitch: 5.08mm, connector method: Screw connector with tension sleeve, Color: green, Contact surface : Tin

## Product advantages

- ☑ Universal connection method to ensure a high degree of flexibility in device design
- ☑ Multi-layer wire connection can achieve higher contact density
- ☑ 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

1.0~2.5mm<sup>2</sup>

Conductor cross section flexible

1.0~2.5mm<sup>2</sup>

AWG

28~12AWG

Torque

0.4N.m

Strip length

6mm

## Electrical parameters UL

|                   |      |
|-------------------|------|
| Rated voltage (B) | 300V |
| Rated voltage (D) | 300V |
| Rated current (B) | 20A  |
| Rated current (D) | 10A  |

Electrical parameters IEC

|                            |      |
|----------------------------|------|
| Rated voltage              | 250V |
| Rated current              | 18A  |
| Rated voltage(III/2)       | 250V |
| Rated surge voltage(III/2) | 2KV  |

Item properties

|                      |                               |
|----------------------|-------------------------------|
| Connection direction | 0°                            |
| Type of installation | PCB welding                   |
| Pin arrangement      | Three rows in a straight line |
| Connection method    | Screw connection              |
| Screwdriver          | Slotted screwdriver           |
| screw thread         | M2.5                          |
| Pitch                | 5.08mm                        |
| Number of potentials | 6                             |
| Pluggable or not     | no                            |
| Number of rows       | 3                             |

Material data

|                             |                           |
|-----------------------------|---------------------------|
| Environmental items         | Compliant with REACH/RoHS |
| Contact material            | Copper alloy              |
| Contact point metal surface | tin-plated                |
| Insulation Materials        | PA66                      |

|                                 |   |
|---------------------------------|---|
| Insulating material group       | I   |
| Flammability rating             | UL94V-0                                   |
| Mechanical tests                |   |
| Test Specification              | UL1059/IEC60998                           |
| Environmental data              |   |
| Ambient temperature (operation) | -40°C~105°C (depending on derating curve) |

|                |                                |
|----------------|--------------------------------|
| Accessories    |                                |
| Accessories    |                                |
| Coding strip   | /                              |
| Bridge         | DG019-5.0, DG042-5.08          |
| Marking strip  | /                              |
| Others         | /                              |
| Tool           |                                |
| Operating tool | /                              |
| Screwdriver    | 0.6x3.5mm, Slotted screwdriver |

|                                     |             |
|-------------------------------------|-------------|
| Business data                       |             |
| Order number                        | 10040000323 |
| Packing unit                        | 330         |
| Minimum order quantity              | 30          |
| Products weight (without packaging) | 9.218       |