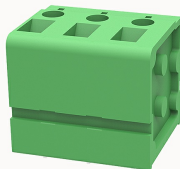


## Overview

### Product information



## DG105V-7.5-10040000090

PCB terminal blocks, Rated current: 24A, Rated voltage (III/2) 450V, Cross section: 0.5~2.5mm<sup>2</sup>, pitch: 7.5mm, connector method: Front screw connector, Color: green, Contact surface : Tin

### Product advantages

- ☒ Universal connection method to ensure a high degree of flexibility in device design
- ☒ Two solder pins reduce mechanical stress on solder joints
- ☒ 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

0.5~2.5mm<sup>2</sup>

Conductor cross section flexible

0.5~2.5mm<sup>2</sup>

AWG

30~12AWG

Torque

0.4N.m

Strip length

12mm

### Electrical parameters UL

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

#### Electrical parameters IEC

|                                     |       |
|-------------------------------------|-------|
| Rated voltage                       | 450V  |
| Rated current                       | 24A   |
| Rated voltage(III/2)                | 450V  |
| Rated power frequency voltage(1min) | 2.5KV |

#### Item properties

|                      |                               |
|----------------------|-------------------------------|
| Connection direction | 90°                           |
| Type of installation | PCB welding                   |
| Pin arrangement      | Double-row in a straight line |
| Connection method    | Screw connection              |
| Screwdriver          | Slotted screwdriver           |
| screw thread         | M2.5                          |
| Pitch                | 7.5mm                         |
| Number of potentials | 3                             |
| Pluggable or not     | no                            |
| Number of rows       | 1                             |

#### Material data

|                             |                           |
|-----------------------------|---------------------------|
| Environmental items         | Compliant with REACH/RoHS |
| Contact material            | copper                    |
| 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    |                                |
| Tool           |                                |
| Screwdriver    | 0.6x3.5mm, Slotted screwdriver |
| Operating tool | /                              |
| Accessories    |                                |
| Coding strip   | /                              |
| Bridge         | /                              |
| Marking strip  | /                              |
| Others         | /                              |

|                                     |             |
|-------------------------------------|-------------|
| Business data                       |             |
| Order number                        | 10040000090 |
| Packing unit                        | 500         |
| Minimum order quantity              | 30          |
| Products weight (without packaging) | 12.014      |