

## Overview

### Product information



## DG271V-7.5-DB-10060001500

PCB spring terminal blocks, Rated current: 41A. Rated voltage  
(III/2) : 1000V, pitch: 7.5mm, Color: green, Contact surface : Tin

### Product advantages

- ☒ PUSH-IN connection technology, fast wiring
- ☒ Different poles can be combined through the side lock
- ☒ Universal installation method, suitable for various situations

### Product certification



## Technical data

### Product drawing

### 3D model

□

### Processing notes

Process

Wave soldering/manual soldering

### Connection capacity

Conductor cross section solid

0.2~6mm<sup>2</sup>

Conductor cross section flexible

0.2~6.0mm<sup>2</sup>

AWG

24~8AWG

Strip length

14mm

### Electrical parameters UL

Rated voltage (B)

600V

Rated voltage (C)

600V

|                   |      |
|-------------------|------|
| Rated voltage (D) | 600V |
| Rated current (B) | 40A  |
| Rated current (D) | 5A   |
| Rated current (C) | 40A  |

#### Electrical parameters IEC

|                            |       |
|----------------------------|-------|
| Rated voltage              | 1000V |
| Rated voltage(III/3)       | 630V  |
| Rated current              | 41A   |
| Rated voltage(III/2)       | 1000V |
| Rated voltage(II/2)        | 1000V |
| Rated surge voltage(III/3) | 8KV   |
| Rated surge voltage(III/2) | 8KV   |
| Rated surge voltage(II/2)  | 8KV   |

#### Item properties

|                      |                            |
|----------------------|----------------------------|
| Connection direction | 90°                        |
| Type of installation | PCB welding                |
| Pin arrangement      | Double-row of misalignment |
| Connection method    | Push-in spring connection  |
| Pitch                | 7.5mm                      |
| Number of potentials | 2                          |
| 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 | IEC60947/UL 1059 |
|--------------------|------------------|

#### Environmental data

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Ambient temperature (operation) | -40°C~105°C(depending on derating curve) |
|---------------------------------|------------------------------------------|

### Accessories

#### Accessories

|               |   |
|---------------|---|
| Coding strip  | / |
| Bridge        | / |
| Marking strip | / |
| Others        | / |

#### Tool

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

### Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 10060001500 |
| Packing unit                        | 500         |
| Minimum order quantity              | 30          |
| Products weight (without packaging) | 8           |

