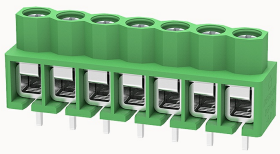
## Overview

### Product information



# DG166-5.0-10050000590

PCB terminal blocks,Rated current:22A,Rated voltage （III/2）250V,Cross section:2.5mm²,pitch:5.0mm,connector method:screw connector with wire protection,Color:green,Contact surface :Tin

### Product advantages

☑ Fixed screw connection technology,safe and reliable
☑ Square wiring hole,large wiring capacity
☑ Universal installation method to ensure a high degree of flexibility in device design

### Product certification

## Technical data

### Product drawing

### 3D model

### Processing notes

| | |
|---|---|
| Process | Wave soldering/manual soldering |

### Connection capacity

| | |
|---|---|
| Conductor cross section solid | 1.0~2.5mm² |
| Conductor cross section flexible | 1.0~2.5mm² |
| AWG | 22~12AWG |
| Torque | 0.5N.m |
| Strip length | 7mm |

### Electrical parameters UL

| | |
|---|---|
| Rated voltage (B) | 300V |
| Rated voltage (D) | 300V |
| Rated current (B) | 15A |
| Rated current (D) | 10A |

Electrical parameters IEC

| | |
|---|---|
| Rated voltage | 250V |
| Rated current | 22A |
| 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 | M3 |
| Pitch | 5mm |
| Number of potentials | 7 |
| 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 | PA66 |

| | |
|---|---|
| Insulating material group | I |
| Flammability rating | UL94V-0 |

### Mechanical tests

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

### Environmental data

| | |
|---|---|
| Ambient temperature (operation) | -40℃~105℃(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 | 10050000590 |
| Packing unit | 230 |
| Minimum order quantity | 30 |
| Products weight (without packaging) | 7.654 |