## Overview

### Product information



# DG45C-B-12020000231

Single-layer PCB barrier terminal blocks,Rated current:25A.Rated voltage（UL）:300V,Cross section:22~12AWG,pitch:9.5mm,Color:black,Contact surface:Tin

### Product advantages

☑ Screw connection for worldwide use
☑ Fence type wiring structure, stable and reliable connection
☑ Solder plate mounting for electrical connection of the device to the PCB

### Product certification

## Technical data

### Product drawing

### 3D model

### Processing notes

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

### Connection capacity

| | |
|---|---|
| AWG | 22~12AWG |
| Torque | 1.2N.m |

### Electrical parameters UL

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

| | |
|---|---|
| Rated current (D) | 10A |

### Item properties

| | |
|---|---|
| Type of installation | PCB welding |
| Pin arrangement | Single row in a straight line |
| Connection method | Screw connection |
| Screwdriver | slotted-phillips screwdriver |
| screw thread | M4 |
| Pitch | 9.5mm |
| Number of potentials | 17 |
| 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 |

### Environmental data

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

## Accessories

### Accessories

| | |
|---|---|
| Bridge | K24 |

## Business data

| | |
|---|---|
| Order number | 12020000231 |
| Packing unit | 70 |
| Minimum order quantity | / |
| Products weight (without packaging) | 57.8g |