

## Overview

### Product information



## DG45S-B-12020000280

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) | 25A  |

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

Electrical parameters IEC

|               |      |
|---------------|------|
| Rated current | 600V |
|               | 32A  |

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 | 4                             |
| 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°C~105°C |
|---------------------------------|-------------|

## Accessories

### Accessories

Bridge

K24

## Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 12020000280 |
| Packing unit                        | 270         |
| Minimum order quantity              | /           |
| Products weight (without packaging) | 15          |