

## Overview

### Product information



### DC50-PE-01A(H)-11020000232

Screw type Din-Rail TB, connector method: Screw/plug-in connector,  
Number of connectors: 2, Number of potentials: 1, Cross section: 16 mm<sup>2</sup> -  
50 mm<sup>2</sup>, AWG: 6 - 1/0, Width: 20 mm, Color: green-yellow, Mounting  
type: NS 35/7.5, NS 35/15

### Product advantages

- ☒ Steel screw connection technology, reliable connection;
- ☒ Grounding structure, protection circuit;
- ☒ Can be matched with marker strips to avoid incorrect insertion of wires.

### Product certification



## Technical data

### Product drawing

### 3D model

□

### Overview

|                                           |                  |
|-------------------------------------------|------------------|
| Number of rows                            | 1                |
| number of connections                     | 2                |
| Open-end side panels                      | no               |
| Insulation Materials                      | PA               |
| Flame retardant grade, in line with UL 94 | V0               |
| Insulating material group                 | I                |
| standard test                             | IEC60947-7-2     |
| Connection method                         | screw connection |

| Dimension                                                         |                      |
|-------------------------------------------------------------------|----------------------|
| width                                                             | 20mm                 |
| End plate width                                                   | /                    |
| Height                                                            | 75.85mm              |
| NS 35/7,5 Height                                                  | 75.9mm               |
| NS 35/15 Height                                                   | 83.4mm               |
| length                                                            | 70.45mm              |
| Wiring data                                                       |                      |
| Strip length                                                      | 22~23mm              |
| Conductor cross section solid AWG                                 | 6~1/0                |
| Conductor cross section solid                                     | 16~50mm <sup>2</sup> |
| Conductor cross section flexible                                  | 16~50mm <sup>2</sup> |
| Conductor cross section flexible (ferrule without plastic sleeve) | 16-50mm <sup>2</sup> |
| Conductor cross section flexible (ferrule with plastic sleeve)    | 16-50mm <sup>2</sup> |
| 2 flexible conductors with a TWIN ferrule                         | 10-16mm <sup>2</sup> |
| Screw type                                                        | Allen screws         |
| screw thread                                                      | M6                   |
| Tightening torque                                                 | 2.5N.m               |
| IEC Electrical parameters                                         |                      |
| Rated voltage(III/3)                                              | /                    |
| Rated current(III/3)                                              | /                    |
| IEC Electrical parameters                                         |                      |
| Rated surge voltage                                               | 8KV                  |
| UL Electrical parameters                                          |                      |

|               |   |
|---------------|---|
| Rated voltage | / |
| Rated current | / |

#### Environmental conditions

|                                           |                                               |
|-------------------------------------------|-----------------------------------------------|
| Ambient temperature (operation)           | -40 °C ~ 105 °C (depending on derating curve) |
| Relative humidity (storage/transport)     | 25%~75%                                       |
| Ambient temperature (storage / transport) | -25°C~60°C                                    |

#### Mechanical performance test

|                      |                 |
|----------------------|-----------------|
| Mechanical strength  | Passed the test |
| Fixing support       | Passed the test |
| Rotational Pull Test | Passed the test |

#### Electrical performance test

|                       |        |
|-----------------------|--------|
| Voltage drop          | ≤3.2mV |
| Temperature rise test | ≤45 K  |

#### Safety test

|                   |                 |
|-------------------|-----------------|
| Anti-finger touch | Passed the test |
|-------------------|-----------------|

#### Environmental protection

|            |                                 |
|------------|---------------------------------|
| RoHS       | No excessive harmful substances |
| REACH SVHC | Lead 7439-92-1                  |

### Accessories

#### Marker

|                |      |
|----------------|------|
| Top marker     | /    |
| Side marker    | ZT12 |
| Marker support | /    |

#### Accessories

|                                                    |   |
|----------------------------------------------------|---|
| Slotted screwdriver size (Blade thickness x Width) | / |
| Bridge                                             | / |
| End cover                                          | / |
| Partition plate                                    | / |

#### Installation

|                               |                                              |
|-------------------------------|----------------------------------------------|
| End clamp                     | E-WS N / E-PC-1100A                          |
| Terminal strip marker support | KLM3-20x8 / KLM3-44x8 / DLM2 / DBE-1 / DBE-2 |
| DIN rail                      | NS35/7.5 & NS35/15                           |

#### Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 11020000232 |
| Packing unit                        | 10          |
| Minimum order quantity              | 10          |
| Products weight (without packaging) | 175.484     |