

## Overview

## Product information



## PC50-PE-11010000090

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

- Screw connection technology, reliable connection;
- Grounding structure, protection circuit;
- Copper alloy material, good corrosion resistance;
- 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           | 76.1mm  |
| NS 35/7,5 Height | 75.95mm |
| NS 35/15 Height  | 83.45mm |
| 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  | Slotted screw        |
| 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

##### Accessories

|  |       |
|--|-------|
| Slotted screwdriver size (Blade thickness x Width) | 1.2×8 |
| Fixed bridge                                       | /     |
| Insertion bridge                                   | /     |
| End cover  | /     |

|                 |   |
|-----------------|---|
| Separating disk | / |
| Partition plate | / |

#### Marker

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

#### 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                           |

#### Marking & Installation

|               |       |
|---------------|-------|
| Marking strip | ZB10  |
| Marker cards  | DBE-1 |

#### Accessories

|           |                      |
|-----------|----------------------|
| End clamp | E-WS                 |
| DIN rail  | NS35/7.5-1000-00A(H) |

#### Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 11010000090 |
| Packing unit                        | 10          |
| Minimum order quantity              | 10          |
| Products weight (without packaging) | 175.484     |