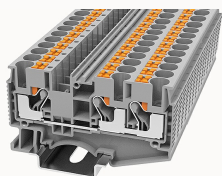


## Overview

### Product information



## DS6-TW-11040000091

Push-in Din-Rail TB, connector method: Push-in connector, Rated voltage : 1000 V, Rated current : 41 A, Number of connectors: 3, Number of potentials: 1, Cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, Width: 8.2 mm, Color: gray, Mounting type: NS35/7.5, NS35/15

### Product advantages

- ☑ Push-in connection technology, tool-free operation, more convenient and faster;
- ☑ With orange wire button, one word or cross screwdriver can release wire.
- ☑ Equipped with dual-channel bridge wells, circuit connection testing is more flexible.
- ☑ Unique plug-in bridge, high circuit connection efficiency.
- ☑ Optional marker to avoid wire mis-inserting.
- ☑ Equipped with test holes for easy testing of the circuit.

### Product certification



## Technical data

### Product drawing

### 3D model

□

### UL Electrical parameters

|               |      |
|---------------|------|
| Rated voltage | 600V |
| Rated current | 40A  |

### Wiring data

|                                                                   |                        |
|-------------------------------------------------------------------|------------------------|
| Conductor cross section flexible (ferrule without plastic sleeve) | 0.5-6mm <sup>2</sup>   |
| Conductor cross section flexible (ferrule with plastic sleeve)    | 0.5-6mm <sup>2</sup>   |
| 2 flexible conductors with a TWIN ferrule                         | 0.5-2.5mm <sup>2</sup> |

|                                   |                       |
|-----------------------------------|-----------------------|
| Strip length                      | 10~12mm               |
| Conductor cross section solid     | 0.5~10mm <sup>2</sup> |
| Conductor cross section flexible  | 0.5~6mm <sup>2</sup>  |
| Conductor cross section solid AWG | 20~8                  |

#### Environmental conditions

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

#### IEC Electrical parameters

|                         |       |
|-------------------------|-------|
| Rated voltage (III / 3) | 1000V |
| Rated current (III / 3) | 41A   |
| Rated surge voltage     | 8KV   |

#### Safety test

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

#### Mechanical performance test

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

#### Environmental protection

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

#### Electrical performance test

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

#### Dimension

|                  |        |
|------------------|--------|
| NS 35/7,5 Height | 43.5mm |
| End plate width  | 1.5mm  |
| NS 35/15 Height  | 51mm   |
| length           | 74.2mm |
| width            | 8.2mm  |
| Height           | 36mm   |

#### Overview

|                                           |                    |
|-------------------------------------------|--------------------|
| Insulating material group                 | I                  |
| standard test                             | IEC60947-7-1       |
| Connection type                           | In line connection |
| Number of rows                            | 1                  |
| number of connections                     | 3                  |
| Open-end side panels                      | Yes                |
| Insulation Materials                      | PA                 |
| Flame retardant grade, in line with UL 94 | V0                 |

#### Accessories

##### Marker

|                |                        |
|----------------|------------------------|
| Top marker     | ZB8 / ZS8              |
| Side marker    | ZSF8                   |
| Marker support | DTH5-25x5 / DTH5-25x12 |

##### Accessories

|                                                       |           |
|-------------------------------------------------------|-----------|
| Slotted screwdriver size (Blade thickness x Width) mm | 0.8x4     |
| Bridge                                                | DFBXX-8.2 |
| End cover                                             | D-DS6-TW  |

Installation

|                               |                                       |
|-------------------------------|---------------------------------------|
| End clamp                     | E-WS N / E-PC-1100A                   |
| Terminal strip marker support | KLM3-20x8 / KLM3-44x8 / DBE-1 / DBE-2 |
| DIN rail                      | NS35/7.5-1000-00A(H)                  |

Business data

|                                     |             |
|-------------------------------------|-------------|
| Order number                        | 11040000091 |
| Packing unit                        | 50          |
| Minimum order quantity              | 50          |
| Products weight (without packaging) | 20.296      |