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Modular terminal block with suppressor diode as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 12 V DC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

The illustration shows version TT-SLKK5-S- 5 DC

#### **Product Features**

- Modular terminal blocks with screw connection technology
- Protective element between the feed-through terminal block and the metal mounting foot



### **Key Commercial Data**

| Packing unit                         | 1 pc     |
|--------------------------------------|----------|
| Weight per Piece (excluding packing) | 19.4 g   |
| Custom tariff number                 | 85363030 |
| Country of origin                    | Germany  |

### Technical data

### **Environmental Product Compliance**

### **Dimensions**

| Height | 66.5 mm |
|--------|---------|
| Width  | 6.2 mm  |
| Depth  | 69.5 mm |

### Ambient conditions

| Ambient temperature (operation) | -40 °C 85 °C |
|---------------------------------|--------------|
| Degree of protection            | IP20         |

### General

| Housing material | PA |
|------------------|----|



## Technical data

### General

| Flammability rating according to UL 94 | V2   |
|--|--|
| Color                                  | black  |
| Mounting type                          | DIN rail: 35 mm                                      |
| Туре                                   | Single-level terminal block – separate PE connection |
| Direction of action                    | Line-Earth Ground                                    |

### Protective circuit

| C1               |
|------------------|
|                  |
| C3               |
| C3               |
| 12 V DC          |
| 13.6 V DC        |
| 9.5 V AC         |
| 13.6 V DC        |
| 9.5 V AC         |
| 32 A (50 °C)     |
| ≤ 5 μA           |
| ≤ 5 μA           |
| 346 A            |
| 346 A            |
| 346 A            |
| 67 A             |
| ≤ 24 V           |
| ≤ 19 V           |
| ≤ 29 V           |
| ≤ 1 ns           |
| typ. 1 MHz       |
| 2.35 nF          |
| None             |
| C1 (500 A/250 A) |
| C3 (25 A)        |
|                  |

### Connection data

| Connection method   | Screw connection      |
|---------------------|-----------------------|
| Connection type IN  | Screw terminal blocks |
| Connection type OUT | Screw terminal blocks |
| Screw thread        | M3                    |
| Tightening torque   | 0.5 Nm                |



## Technical data

### Connection data

| Stripping length                      | 8 mm                |
|---------------------------------------|---------------------|
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 4 mm²               |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 4 mm²               |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 12                  |

### Standards and Regulations

| Standards/regulations | IEC 61643-21 |
|-----------------------|--------------|

### Classifications

### eCl@ss

| eCl@ss 4.0 | 27140201 |
|------------|----------|
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |
| eCl@ss 9.0 | 27130807 |

### **ETIM**

| ETIM 2.0 | EC000943 |
|----------|----------|
| ETIM 3.0 | EC000943 |
| ETIM 4.0 | EC000943 |
| ETIM 5.0 | EC000943 |

### UNSPSC

| UNSPSC 6.01   | 30212010 |
|---------------|----------|
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11     | 39121610 |
| UNSPSC 12.01  | 39121610 |
| UNSPSC 13.2   | 39121620 |

## Approvals

### Approvals

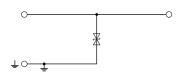


| Approvals  Approvals                           |          |
|--|----------|
| Approvals                                      |          |
| UL Recognized / cUL Recognized / EAC / cULus R | cognized |
| Ex Approvals                                   |          |
| Approvals submitted                            |          |
| Approval details                               |          |
| UL Recognized <b>S</b>                         |          |
| mm²/AWG/kcmil                                  | 26-10    |
| Nominal current IN                             | 30 A     |
| Nominal voltage UN                             | 12 V     |
| cUL Recognized                                 |          |
| mm²/AWG/kcmil                                  | 26-12    |
| Nominal current IN                             | 30 A     |
| Nominal voltage UN                             | 12 V     |
| EAC  |          |
| cULus Recognized • Sus                         |          |

Drawings



Circuit diagram



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