

Surge protection device - TT-UKK5-M/ 60AC - 2788045

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid
(<http://phoenixcontact.com/download>)




Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 60 V AC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

The figure shows version TT-UKK5-M-24 DC



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 50 pc |
| GTIN |  4 017918 071295 |
| GTIN | 4017918071295 |

Technical data

Dimensions

| | |
|--------|--------|
| Height | 68 mm |
| Width | 6.2 mm |
| Length | 80 mm |

Ambient conditions

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

General

| | |
|---|---|
| Housing material | PA |
| Flammability rating according to UL 94 | V2 |
| Color | black |
| Standards for clearances and creepage distances | VDE 0110-1 |
| Mounting type | DIN rail: 35 mm |
| Type | Double-level terminal block with disconnect knife |
| Direction of action | Line-Line |

Protective circuit

Surge protection device - TT-UKK5-M/ 60AC - 2788045

Technical data

Protective circuit

| | |
|---|----------------|
| IEC test classification | C3 |
| VDE requirement class | C3 |
| Nominal voltage U_N | 60 V AC |
| Maximum continuous voltage U_C | 93 V DC |
| | 66 V AC |
| Maximum continuous voltage U_C (wire-wire) | 66 V AC |
| | 93 V DC |
| Nominal current I_N | 12 A |
| Operating effective current I_C at U_C | $\leq 5 \mu A$ |
| Nominal discharge current I_n (8/20) μs (line-line) | 51 A |
| Total surge current (8/20) μs | 51 A |
| Max. discharge current I_{max} (8/20) μs maximum (line-line) | 51 A |
| Nominal pulse current I_{an} (10/1000) μs (line-line) | 10 A |
| Output voltage limitation at 1 kV/ μs (line-line) spike | $\leq 185 V$ |
| Output voltage limitation at 1 kV/ μs (line-line) static | $\leq 165 V$ |
| Residual voltage at I_n (line-line) | $\leq 195 V$ |
| Response time t_A (line-line) | $\leq 1 ns$ |
| Cut-off frequency f_g (3 dB), sym. in 150 Ohm system | typ. 5 MHz |
| Capacity (line-line) | $\leq 180 pF$ |
| Surge protection fault message | none |
| Impulse durability (line-line) | C3 - 10 A |

Connection data

| | |
|---------------------------------------|-----------------------|
| Connection method | Screw connection |
| Connection method IN | Screw terminal blocks |
| Connection method OUT | Screw terminal blocks |
| Screw thread | M3 |
| Tightening torque | 0.5 Nm |
| Stripping length | 8 mm |
| Conductor cross section flexible min. | 0.2 mm ² |
| Conductor cross section flexible max. | 4 mm ² |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG min. | 24 |
| Conductor cross section AWG max. | 12 |

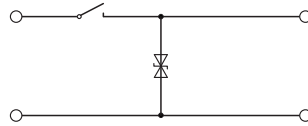
Standards and Regulations

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

Drawings

Surge protection device - TT-UKK5-M/ 60AC - 2788045

Circuit diagram



Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Phoenix Contact:

2788045