

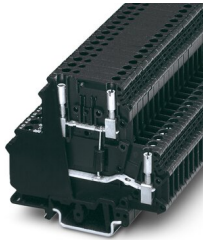
# TT-UKK5-D/ 48DC - Surge protection device



2788100

<https://www.phoenixcontact.com/us/products/2788100>

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Double-level modular terminal block with suppressor diode as surge protection between both levels, nominal voltage: 48 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

## Commercial Data

Item number	2788100
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	00
Product Key	CL2228
Catalog Page	Page 71 (TT-2005)
GTIN	4017918071349
Weight per Piece (including packing)	24.53 g
Weight per Piece (excluding packing)	24.53 g
Customs tariff number	85363010
Country of origin	GR

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## Technical Data

### Product properties

IEC test classification	C3
VDE requirement class	C3
Type	Double-level terminal block
Product type	Surge protection for MCR technology
Surge protection fault message	none
Wire pairs per module	1

### Electrical properties

Nominal voltage $U_N$	48 V DC
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### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque, min	0.5 Nm
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>

### Dimensions

Width	6.2 mm
Height	68 mm
Length	80 mm

### Material specifications

Color	black
Flammability rating according to UL 94	V2
Housing material	PA

### Mechanical properties

#### Mechanical data

Open side panel	No
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### Protective circuit

Direction of action	Line-Line
Operating effective current $I_C$ at $U_C$	$\leq 5$ A
Nominal discharge current $I_n$ (8/20) $\mu$ s (line-line)	162 A
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (line-line)	17.7 A
Output voltage limitation at 1 kV/ $\mu$ s (line-line) spike	$\leq 80$ V
Capacity (Core-Core)	$\leq 0.85$ nF (typical)

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Surge protection fault message	none
Impulse durability (line-line)	C3 - 10 A

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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## Standards and regulations

VDE requirement class	C3
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## Mounting

Mounting type	DIN rail: 35 mm
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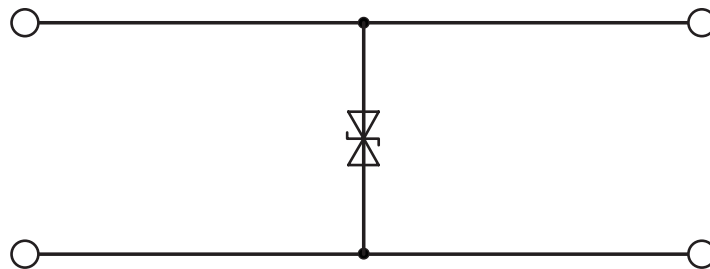
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## Drawings

Circuit diagram



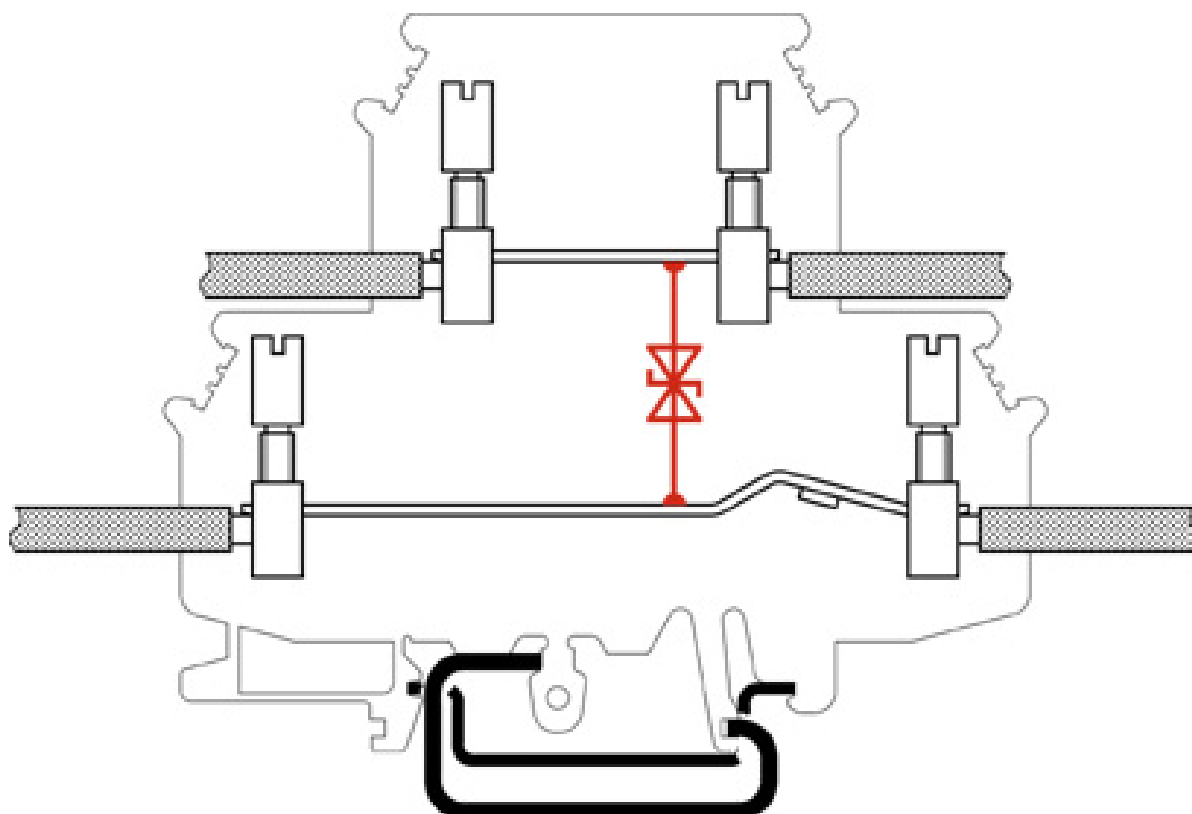
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Schematic diagram



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