

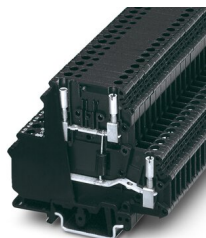
TT-UKK5-D/ 24AC - Surge protection device



2788155

<https://www.phoenixcontact.com/us/products/2788155>

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Double-level modular terminal block with suppressor diode as surge protection between both levels, nominal voltage: 24 V AC, 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	2788155
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C07
Product Key	CL2228
Catalog Page	Page 109 (TT-2009)
GTIN	4017918071387
Weight per Piece (including packing)	24.531 g
Weight per Piece (excluding packing)	24.531 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	24 V AC
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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 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

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
Maximum continuous voltage U_C	40 V DC
	28 V AC
Maximum continuous voltage U_C (line-line)	40 V DC
	28 V AC
Operating effective current I_C at U_C	≤ 5 A

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Nominal discharge current I_n (8/20) μ s (line-line)	119 A
Total surge current (8/20) μ s	119 A
Max. discharge current I_{max} (8/20) μ s maximum (line-line)	119 A
Nominal pulse current I_{an} (10/1000) μ s (line-line)	23.2 A
Output voltage limitation at 1 kV/ μ s (line-line) spike	≤ 62 V
Output voltage limitation at 1 kV/ μ s (line-line) static	≤ 58 V
Residual voltage at I_n (conductor-conductor)	≤ 84 V
Response time t_A (line-line)	≤ 1 ns
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	typ. 1.6 MHz
Capacity (Core-Core)	≤ 1.1 nF (typical)
Surge protection fault message	none
Impulse durability (line-line)	C3 - 10 A

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

VDE requirement class	C3
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Air clearances and creepage distances

Standards/regulations	VDE 0110-1
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Standards Information technology specification

Standards/regulations	IEC 61643-21
	IEC 61643-21

Mounting

Mounting type	DIN rail: 35 mm
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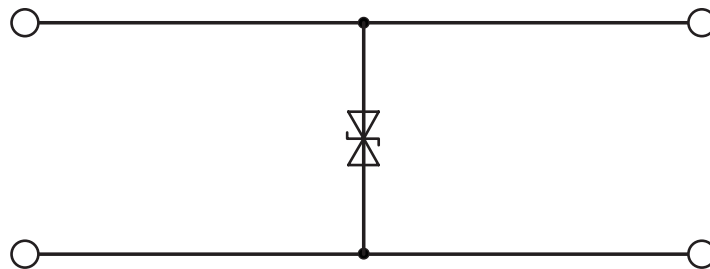
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Drawings

Circuit diagram



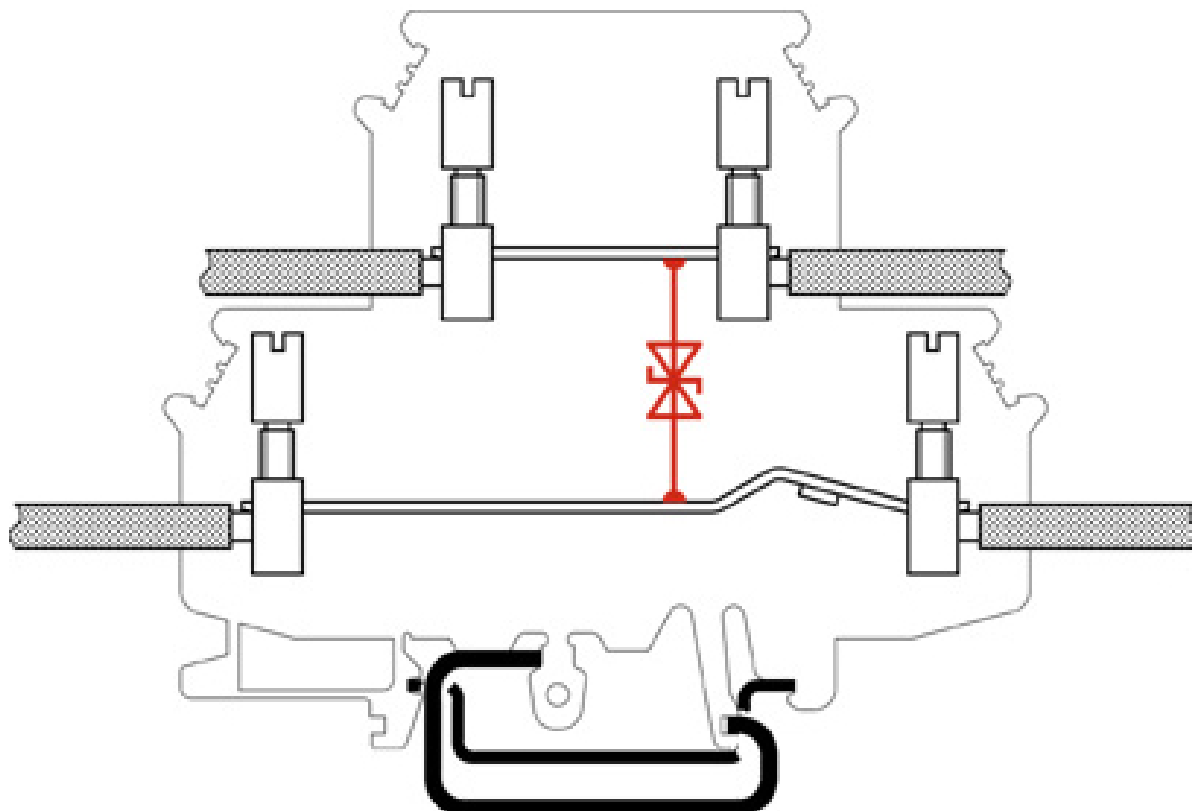
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Schematic diagram



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