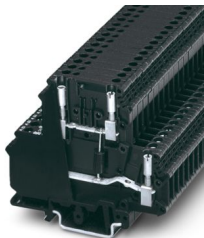


2788090

<https://www.phoenixcontact.com/pc/products/2788090>

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Double-level modular terminal block with suppressor diode as surge protection between both levels, nominal voltage: 24 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	2788090
Packing unit	50 pc
Minimum order quantity	1 pc
Product key	CL2228
Catalog page	Page 109 (TT-2009)
GTIN	4017918071332
Weight per piece (including packing)	24.892 g
Weight per piece (excluding packing)	24.513 g
Customs tariff number	85363010
Country of origin	GR

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



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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 DC
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Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Width	6.2 mm
Height	68 mm
Length	80 mm

Material specifications

Flammability rating according to UL 94	V-2
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	28 V DC
	20 V AC
Rated current	16 A
Operating effective current I_C at U_C	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (line-line)	169 A
Total discharge current I_{total} (8/20) μs	169 A
Max. discharge current I_{max} (8/20) μs maximum (line-line)	169 A

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Nominal pulse current I_{an} (10/1000) μ s (line-line)	33 A
Output voltage limitation at 1 kV/ μ s (line-line) static	≤ 40 V
Residual voltage at I_n (conductor-conductor)	≤ 55 V
Response time t_A (line-line)	≤ 1 ns
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	typ. 1.2 MHz
Capacity (Core-Core)	≤ 1.6 nF (typical)
Surge protection fault message	none
Impulse durability (line-line)	C3 - 25 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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