

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

RoHS



Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918071332

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	V-2
Color	black
Standards for clearances and creepage distances	VDE 0110-1
Mounting type	DIN rail: 35 mm
Type	Double-level terminal block
Direction of action	Line-Line

Protective circuit

IEC test classification	C3
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Technical data

Protective circuit

VDE requirement class	C3
Nominal voltage U_N	24 V DC
Maximum continuous voltage U_C	28 V DC
	20 V AC
Rated current	16 A
Operating effective current I_C at U_C	$\leq 5 \mu\text{A}$
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
Nominal pulse current I_{an} (10/1000) μs (line-line)	33 A
Output voltage limitation at 1 kV/ μs (line-line) static	≤ 40 V
Residual voltage at I_n (line-line)	≤ 55 V
Response time t_A (line-line)	≤ 1 ns
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	typ. 1.2 MHz
Capacity (line-line)	≤ 1.6 nF (typical)
Surge protection fault message	none
Impulse durability (line-line)	C3 - 25 A

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/regulations	IEC 61643-21
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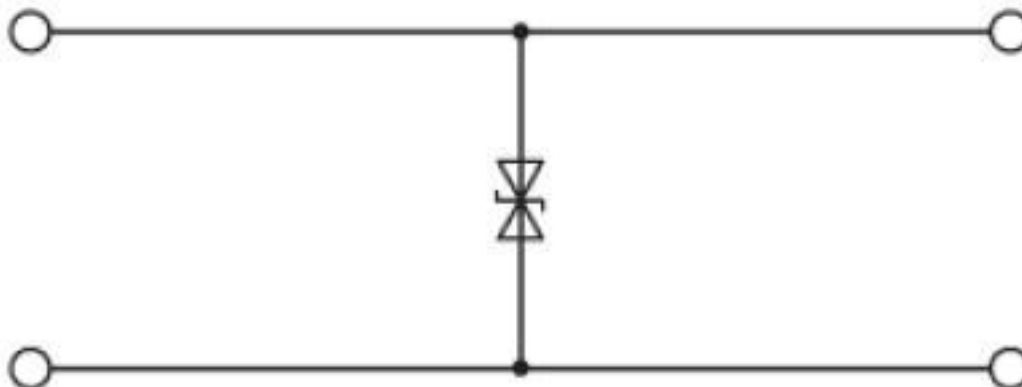
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Surge protection device - TT-UKK5-D/ 24DC - 2788090

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
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
ETIM 6.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 19.0	39121620

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