

Surge protection device - TT-URTK/S- 24DC - 2788278

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Disconnect terminal block with surge voltage fine protection, nominal voltage: 24 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 8.2 mm, terminal height: 51.5 mm



Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918071479

Technical data

Dimensions

Height	51.5 mm
Width	8.2 mm
Length	72 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
Mounting type	DIN rail: 35 mm
Type	Single-level terminal block with disconnect slide
Number of positions	1
Direction of action	Line-Earth Ground

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
Maximum continuous voltage U_C (line-earth)	28 V DC
	20 V AC
Nominal current I_N	57 A (45°C)
Residual current I_{PE}	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (line-earth)	169 A
Total surge current (8/20) μs	169 A
Max. discharge current I_{max} (8/20) μs maximum (line-earth)	169 A
Nominal pulse current I_{an} (10/1000) μs (line-earth)	33 A
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 40 V$
Residual voltage at I_n (line-earth)	$\leq 55 V$
Response time t_A (line-earth)	$\leq 1 ns$
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 1.2 MHz
Capacity (line-earth)	$\leq 1.35 nF$
Surge protection fault message	none
Impulse durability (line-earth)	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	0.5 Nm
Stripping length	13 mm
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8

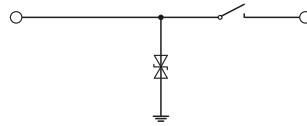
Standards and Regulations

Standards/regulations	IEC 61643-21
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Drawings

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Circuit diagram



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