

Surge protection device - TT-URTK/S- 24AC - 2788281

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Disconnect terminal block with surge voltage fine protection, nominal voltage: 24 V AC, 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	1 pc
Weight per Piece (excluding packing)	38.0 GRM
Custom tariff number	85363030
Country of origin	Greece

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
Inflammability class according to UL 94	V2-V0
Color	black
Mounting type	DIN rail/G-profile rail
Type	Single-level terminal block with disconnect slide
Number of positions	1
Direction of action	Line-Earth Ground

Surge protection device - TT-URTK/S- 24AC - 2788281

Technical data

Protective circuit

IEC test classification	C3
VDE requirement class	C3
Nominal voltage U_N	24 V AC
Maximum continuous operating voltage U_C	40 V DC
	28 V AC
Maximum continuous voltage U_C (wire-ground)	40 V DC
	28 V AC
Nominal current I_N	57 A (45°C)
Residual current I_{PE}	$\leq 5 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (Core-Earth)	119 A
Total surge current (8/20) μs	119 A
Max. discharge current I_{max} (8/20) μs maximum (Core-Earth)	119 A
Nominal pulse current I_{an} (10/1000) μs (Core-Earth)	23.2 A
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 62 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 58 \text{ V}$
Residual voltage at I_n , (conductor-ground)	$\leq 84 \text{ V}$
Response time t_A (Core-Earth)	$\leq 1 \text{ ns}$
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 1.6 MHz
Capacity (Core-Earth)	$\leq 1.03 \text{ nF}$
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C3 - 10 A

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	13 mm
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded 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/kcmil min.	20
Conductor cross section AWG/kcmil max	8

Standards and Regulations

Standards/regulations	IEC 61643-21
-----------------------	--------------

Surge protection device - TT-URTK/S- 24AC - 2788281

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

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

Approvals

Approvals

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

Approval details

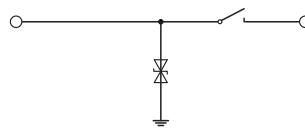
Surge protection device - TT-URTK/S- 24AC - 2788281

Approvals



Drawings

Circuit diagram



Surge protection device - TT-URTK/S- 24AC - 2788281

Schematic diagram

