

Surge protection device - MT-TTY-1 - 2763523

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>)



Rail-mountable module with surge protection for TTY interface, for mounting on NS 35/7.5, housing width: 30 mm



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 065607
Weight per Piece (excluding packing)	67.75 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	77.5 mm
Width	27.4 mm
Depth	54.9 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Degree of protection	IP20

General

Color	black
Mounting type	DIN rail: 35 mm
Type	Rail-mountable module, one-piece
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

Surge protection device - MT-TTY-1 - 2763523

Technical data

Protective circuit

IEC test classification	C2
	C3
VDE requirement class	C2
	C3
Maximum continuous voltage U_C (wire-ground)	24 V DC
Nominal current I_N	300 mA
Operating effective current I_c at U_c	$\leq 10 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (Core-Earth)	5 kA
Output voltage limitation at 1 kV/ μs (Core-Core) spike	$\leq 35 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 450 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Core) static	$\leq 35 \text{ V}$
Output voltage limitation at 1 kV/ μs (Core-Earth) static	$\leq 450 \text{ V}$
Residual voltage at I_n (conductor-conductor)	$\leq 35 \text{ V}$
Voltage protection level U_p (core-core)	$\leq 35 \text{ V}$
Voltage protection level U_p (core-ground)	$\leq 450 \text{ V}$
Response time tA (Core-Core)	$\leq 1 \text{ ns}$
Response time tA (Core-Earth)	$\leq 100 \text{ ns}$
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	4 MHz
Cut-off frequency f_g (3 dB), sym. in 600 Ohm system	300 kHz
Resistance in series	4.7 Ω

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Stripping length	8 mm
Conductor cross section flexible	0.2 mm^2 ... 2.5 mm^2
Conductor cross section solid	0.2 mm^2 ... 4 mm^2
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/regulations	Draft IEC 64644-1
	E VDE 0845-3-1

Surge protection device - MT-TTY-1 - 2763523

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
eCl@ss 9.0	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

EAC

Ex Approvals

Approvals submitted

Approval details

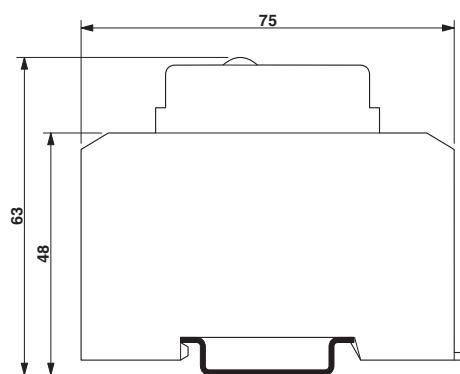
Surge protection device - MT-TTY-1 - 2763523

Approvals

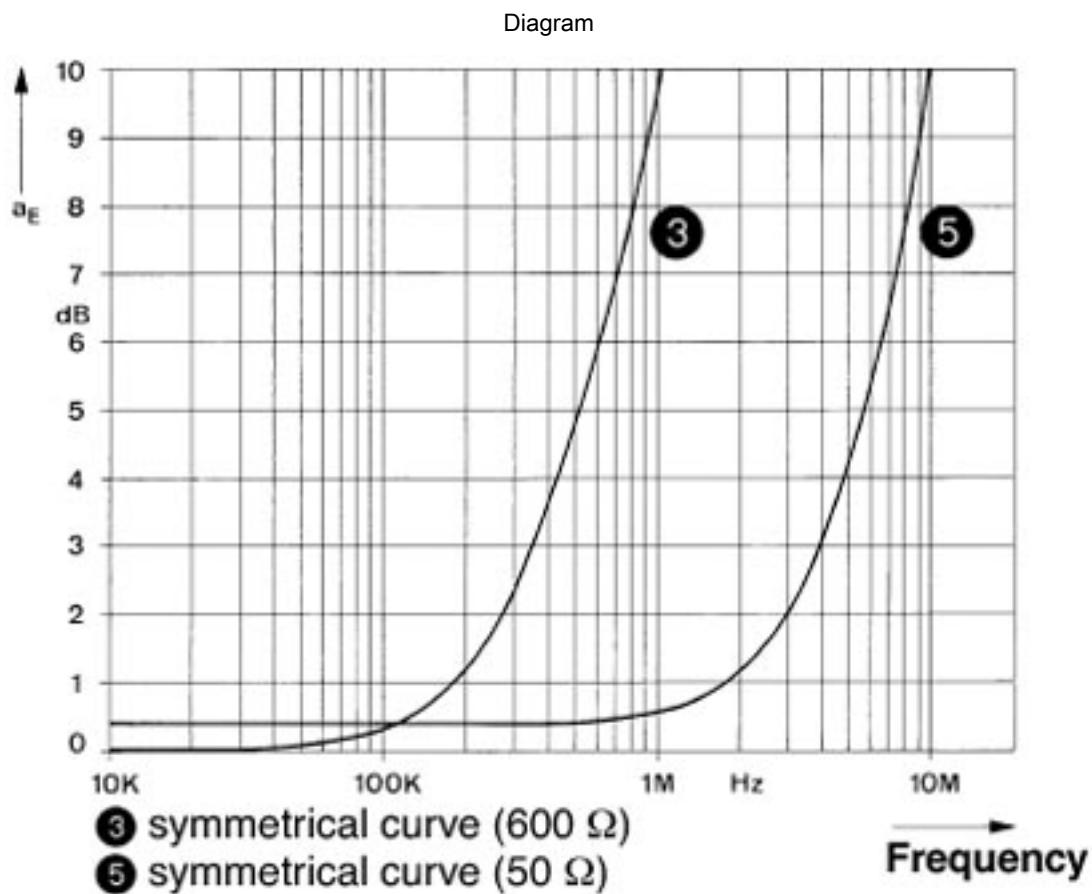
EAC

Drawings

Dimensional drawing



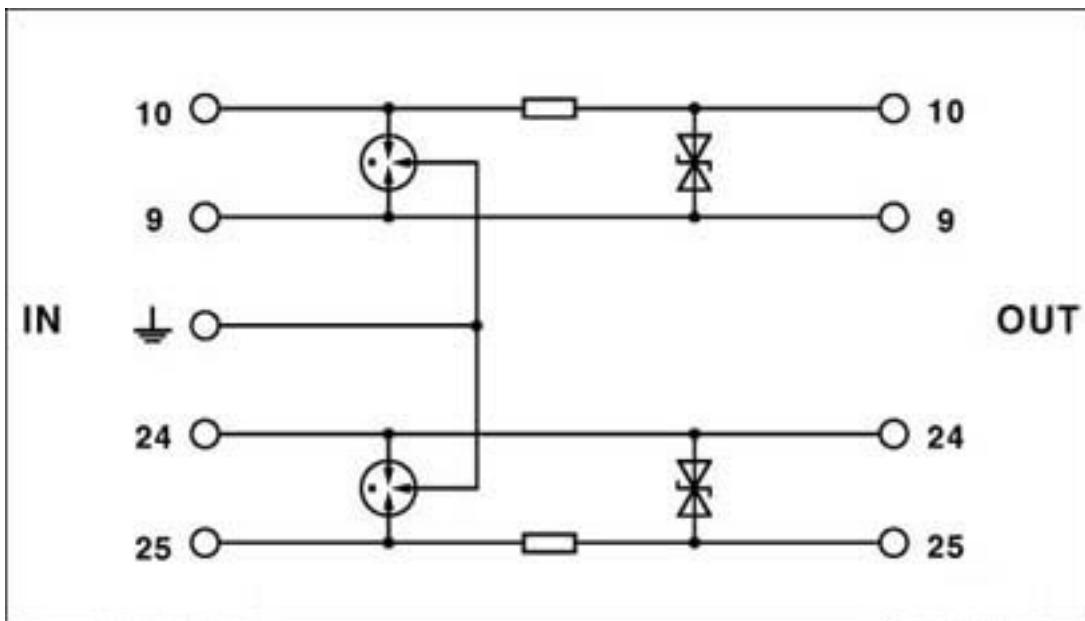
Surge protection device - MT-TTY-1 - 2763523



Characteristic attenuation curve

Surge protection device - MT-TTY-1 - 2763523

Circuit diagram



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2763523](#)