

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	5 pc
GTIN	
GTIN	4017918065607

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	DIN rail module, one-piece
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

IEC test classification	C2
	C3
VDE requirement class	C2
	C3

Surge protection device - MT-TTY-1 - 2763523

Technical data

Protective circuit

Maximum continuous voltage U_C	24 V DC
Rated current	300 mA
Operating effective current I_C at U_C	$\leq 10 \mu A$
Nominal discharge current I_n (8/20) μs (line-earth)	5 kA
Output voltage limitation at 1 kV/ μs (line-line) spike	$\leq 35 V$
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 450 V$
Output voltage limitation at 1 kV/ μs (line-line) static	$\leq 35 V$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 450 V$
Residual voltage at I_n (line-line)	$\leq 35 V$
Voltage protection level U_p (line-line)	$\leq 35 V$
Voltage protection level U_p (line-earth)	$\leq 450 V$
Response time t_A (line-line)	$\leq 1 ns$
Response time t_A (line-earth)	$\leq 100 ns$
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 per path	4.7 Ω
Surge protection fault message	none

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 ... 0.6 Nm
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

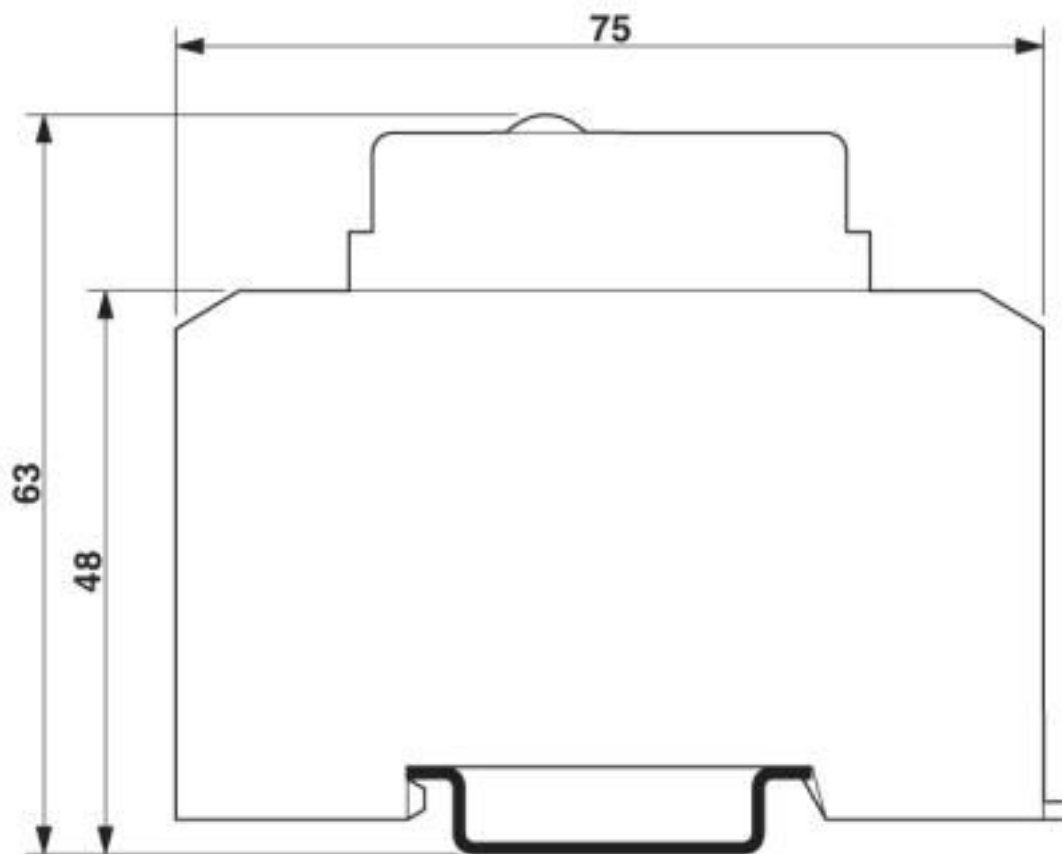
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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 - MT-TTY-1 - 2763523

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
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

Surge protection device - MT-TTY-1 - 2763523

Classifications

ETIM

ETIM 7.0	EC000943
----------	----------

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 18.0	39121620
UNSPSC 19.0	39121620
UNSPSC 20.0	39121620
UNSPSC 21.0	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.*09.B.00169
-----	---	-------------------------

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Mouser Electronics

Authorized Distributor

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

[Phoenix Contact:](#)

[2763523](#)