

MT-TTY-1 - Surge protection device



2763523

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

Commercial data

Item number	2763523
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CL3132
Catalog page	Page 109 (TT-2002)
GTIN	4017918065607
Weight per piece (including packing)	67.5 g
Weight per piece (excluding packing)	65.2 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

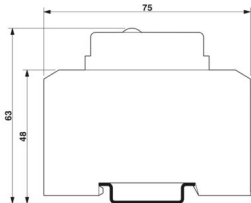
Product properties

Product type	Surge protection for information technology
IEC test classification	C2
	C3
VDE requirement class	C2
	C3
Type	DIN rail module, one-piece
Surge protection fault message	none
Wire pairs per module	2

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm ... 0.6 Nm
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
Width	27.4 mm
Height	77.5 mm
Depth	54.9 mm

Material specifications

Color	black (RAL 9005)
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Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	Line-Line & Line-Earth Ground
Maximum continuous voltage U_C	24 V DC
Rated current	300 mA
Operating effective current I_C at U_C	$\leq 10 \mu A$

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Nominal discharge current I_n (8/20) μ s (line-ground)	5 kA
Output voltage limitation at 1 kV/ μ s (line-line) spike	≤ 35 V
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 450 V
Output voltage limitation at 1 kV/ μ s (line-line) static	≤ 35 V
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 450 V
Residual voltage at I_n (conductor-conductor)	≤ 35 V
Voltage protection level U_p (line-line)	≤ 35 V
Voltage protection level U_p (line-earth)	≤ 450 V
Response time t_A (line-line)	≤ 1 ns
Response time t_A (line-earth)	≤ 100 ns
Cut-off frequency f_g (3 dB), sym. in 50 Ω system	4 MHz
Cut-off frequency f_g (3 dB), sym. in 600 Ω system	300 kHz
Resistance per path	4.7 Ω
Surge protection fault message	none

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

VDE requirement class	C2
	C3

Standards Information technology specification

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

Mounting

Mounting type	DIN rail: 35 mm
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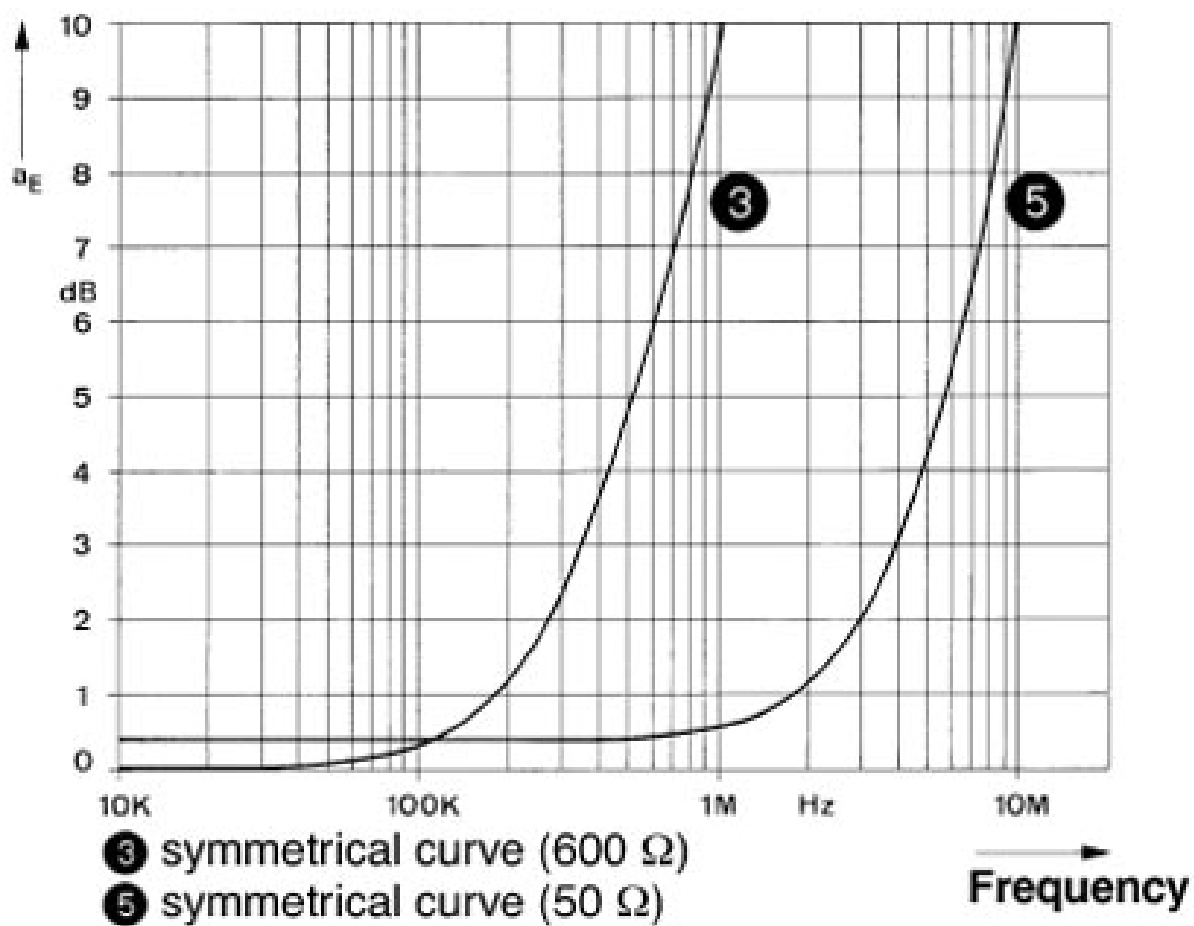
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Drawings

Diagram



Characteristic attenuation curve

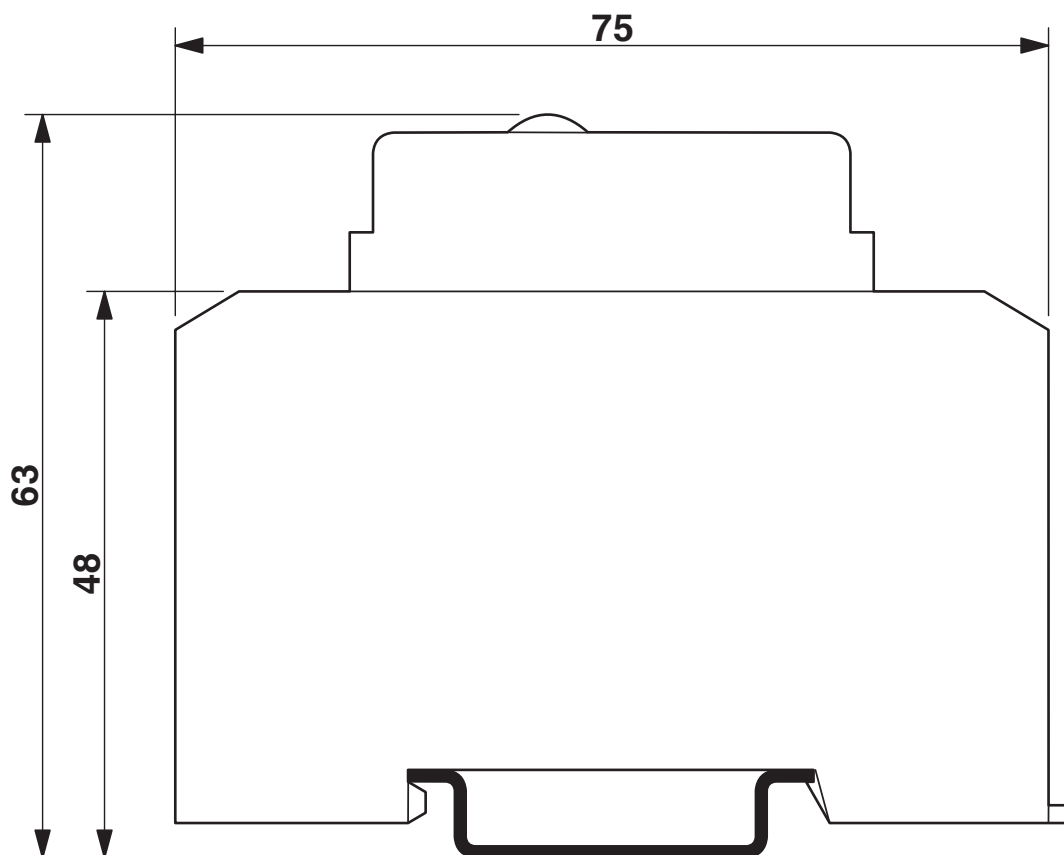
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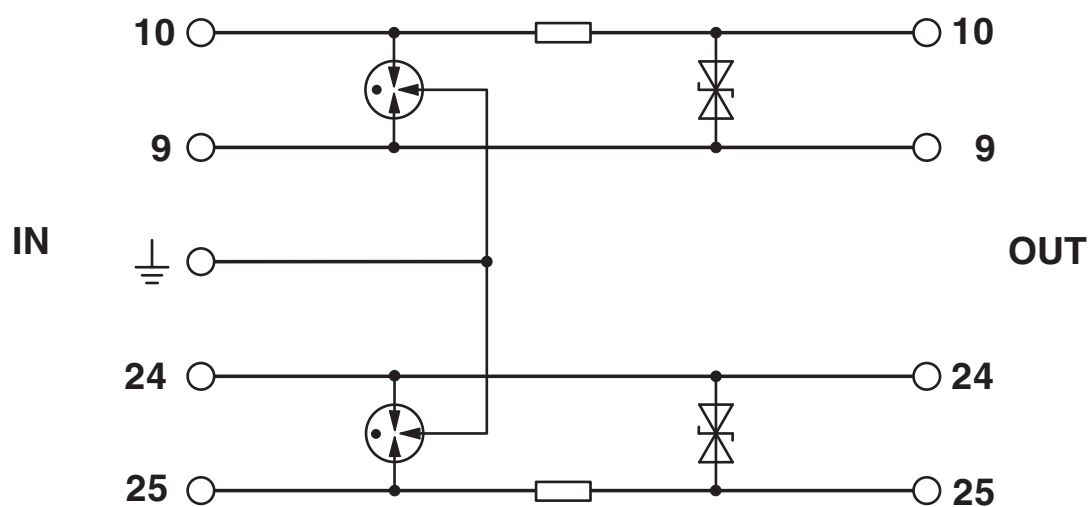
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Dimensional drawing



Circuit diagram



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Approvals

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EAC

Approval ID: RU C-DE.*09.B.00169

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Classifications

ECLASS

ECLASS-11.0	27130807
ECLASS-13.0	27171503

ETIM

ETIM 9.0	EC001466
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	e9b0746b-aae0-4045-9c32-f07f660c5df2

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