Surge protection device - BXT-M/RS485-TTL - 2749987

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Surface-mounted housing with surge protection, for RS-485 interface with with TTL level, mains connection with slot for protective plug PRT-S... (without protective plug)

Key commercial data

Packing unit	1 pc
GTIN	4 017918 139704
Weight per Piece (excluding packing)	312.0 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	50 mm
Width	100 mm
Depth	100 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 75 °C
Degree of protection	IP54

General

Color	gray
Standards for air and creepage distances	IEC 60664-1
	IEC 61643-1
Mounting type	Surface/Wall mounting
Type	Housing for surface mounting

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Technical data

General

Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground

Protective circuit

IEC test classification	B2
	C1
	C2
	C3
	D1
Maximum continuous operating voltage U_C	6.2 V DC
Maximum continuous voltage UC (wire-wire)	6.2 V DC
Maximum continuous voltage U_C (wire-ground)	6.2 V DC
Nominal current I_N	1.5 A (25 °C)
Operating effective current I_C at U_C	≤ 1 µA
Residual current I_{PE}	≤ 5 µA
Nominal discharge current I_n (8/20) µs (Core-Core)	350 A
Nominal discharge current I_n (8/20) µs (Core-Earth)	5 kA
Nominal discharge current I_n (8/20) µs (Core-GND)	350 A
Total surge current (8/20) µs	5 kA
Max. discharge current I_{max} (8/20) µs maximum (Core-Core)	350 A
Max. discharge current I_{max} (8/20) µs maximum (Core-Earth)	5 kA
Max. discharge current I_{max} (8/20) µs maximum (Core-GND)	350 A
Output voltage limitation at 1 kV/µs (Core-Core) spike	≤ 45 V
Output voltage limitation at 1 kV/µs (Core-Earth) spike	≤ 450 V
Output voltage limitation at 1 kV/µs (Core-Core) static	≤ 16 V
Output voltage limitation at 1 kV/µs (Core-Earth) static	≤ 450 V
Voltage protection level U_P (Core-Core)	≤ 35 V (C1, 500 V/250 A)
	≤ 50 V (C1, 700 V/350 A)
	≤ 22 V (C3 - 100 A)
Voltage protection level U_P (Core-Earth)	≤ 550 V (B2 - 4 kV/100 A)
	≤ 550 V (C2, 4 kV/2 kA)
	≤ 600 V (C2, 10 kV/5 kA)
	≤ 700 V (C3 - 100 A)
Response time tA (Core-Core)	≤ 500 ns
Response time tA (Core-Earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.1 dB (≤ 10 MHz/50 Ω)
	typ. 0.1 dB (≤ 4 MHz / 150 Ω)

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Protective circuit

	typ. 0.1 dB (≤ 1 MHz/600 Ω)
Cut-off frequency fg (3 dB), sym. in 50 Ohm system	typ. 100 MHz
Cut-off frequency fg (3 dB), sym. in 150 Ohm system	typ. 100 MHz
Cut-off frequency fg (3 dB), sym. in 600 Ohm system	typ. 10 MHz
Capacity (Core-Core)	typ. 20 pF
Capacity (Core-Earth)	typ. 10 pF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (4 kV / 100 A)
	C1 (350 A)
	C3 - 100 A
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
	C2 - 10 kV / 5 kA
	C3 - 100 A
	D1 - 2,5 kA

Connection data

Connection method	Screw terminal blocks
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	16

Standards and Regulations

Standards/regulations	IEC 61643-21

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	27130810
eCl@ss 7.0	27130810
eCl@ss 8.0	27130810

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Classifications

ETIM

ETIM 2.0	EC001473
ETIM 3.0	EC001473
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

Ex Approvals

Approvals submitted

Approval details

GOST

Drawings

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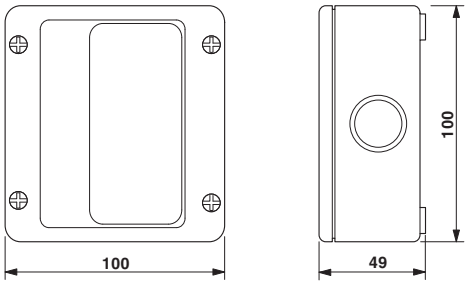
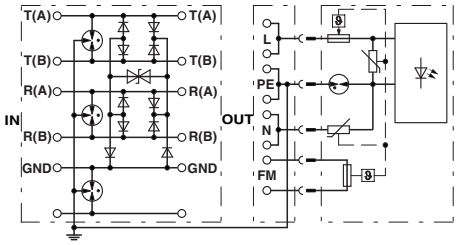
Dimensioned drawing

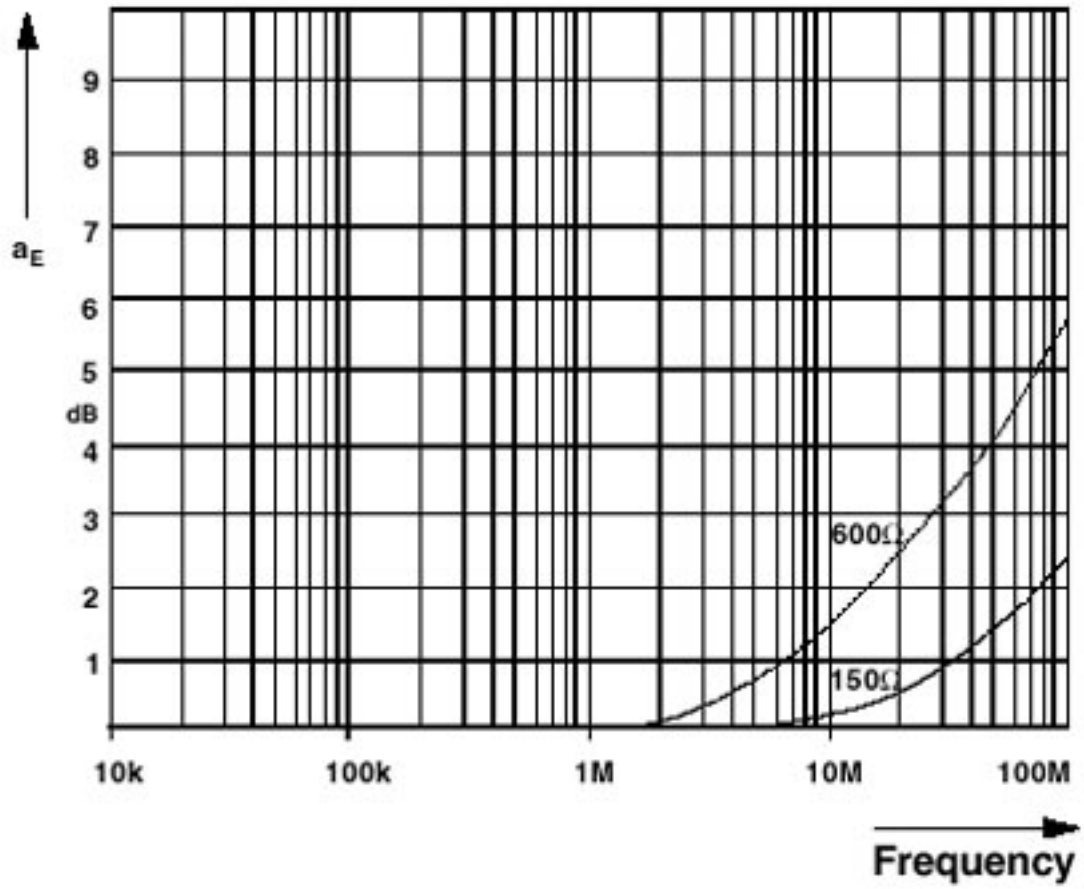


Circuit diagram



1 = signaling
2 = optional

Diagram



Characteristic attenuation curve

单击下面可查看定价，库存，交付和生命周期等信息

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