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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
Туре	Housing for surface mounting



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 (\leq 10 MHz/50 Ω)
	typ. 0.1 dB (\leq 4 MHz / 150 Ω)



Technical data

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
Standards/regulations	120 01043-21

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



Classifications

ETIM

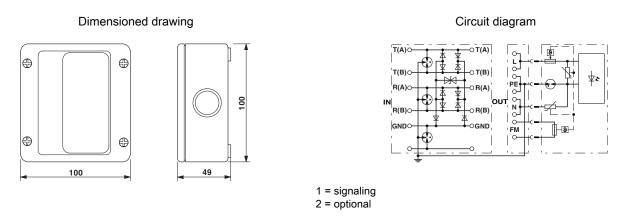
ETIM 2.0	EC001473
ETIM 3.0	EC001473
ETIM 4.0	EC000943
ETIM 5.0	EC000943
UNSPSC	

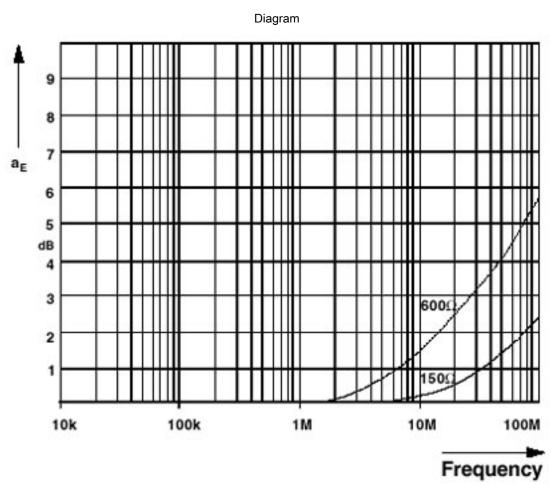
UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

UNSPSC 13.2	39121620
Approvals	
Approvals	
Approvals	
GOST	
Ex Approvals	
Approvals submitted	
Approval details	
GOST	

Drawings







Characteristic attenuation curve



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