

Surge protection device - DT-UFB-V24/S-SB-SET - 2803072

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Attachment plug with surge protection for V.24 interface. Connection: D-SUB-25 male plug/female plug, installation in lines



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	43.63 GRM
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	110 mm
Width	25 mm
Depth	63 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

General

Housing material	Zinc die-cast
Color	silver/black
Standards for air and creepage distances	IEC 60664-1
	VDE 0110-1
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Type	Attachment plug for DIN rail mounting
Number of positions	25

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Technical data

General

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

IEC test classification	B2
	C1
	C2
	C3
VDE requirement class	B2
	C1
	C2
	C3
Maximum continuous operating voltage U_C	15 V DC
	10 V AC
Maximum continuous voltage U_C (wire-GND)	15 V DC
	10 V AC
Nominal current I_N	≤ 1 A (25 °C)
Operating effective current I_C at U_C	≤ 5 μ A (per wire)
Residual current I_{PE}	≤ 1 μ A
Nominal discharge current I_n (8/20) μ s (Core-Core)	≤ 250 A
Nominal discharge current I_n (8/20) μ s (Core-Earth)	≤ 250 A
Nominal discharge current I_n (8/20) μ s (Core-GND)	≤ 250 A
Total surge current (8/20) μ s	5 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Core)	50 A
Nominal pulse current I_{an} (10/1000) μ s (Core-Earth)	50 A
Nominal pulse current I_{an} (10/1000) μ s (Core-GND)	50 A
Nominal pulse current I_{an} (10/700) μ s (Core-Core)	50 A
Nominal pulse current I_{an} (10/700) μ s (Core-Earth)	50 A
Nominal pulse current I_{an} (10/700) μ s (Core-GND)	50 A
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 50 V
Output voltage limitation at 1 kV/ μ s (Core-GND) static	≤ 30 V
Residual voltage at I_n , (conductor-conductor)	≤ 55 V
Residual voltage at I_n , (conductor-GND)	≤ 30 V
Voltage protection level U_P (Core-Core)	≤ 55 V (B2 - 25 A)
	≤ 55 V (C1 - 250 A)
Voltage protection level U_P (Core-Earth)	≤ 400 V (B2 - 25 A)
	≤ 450 V (C1 - 250 A)

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Protective circuit

Voltage protection level U_p (Core-GND)	≤ 30 V (C1 - 250 A)
	≤ 30 V (B2 - 25 A)
Response time t_A (Core-Core)	≤ 1 ns
Response time t_A (Core-Earth)	≤ 1 ns
	≤ 100 ns
Response time t_A (Shield-Earth)	≤ 100 ns
Input attenuation a_E , sym.	typ. 0.3 dB (≤ 700 kHz / 100 Ω)
	typ. 0.3 dB (≤ 700 kHz / 150 Ω)
Input attenuation a_E , asym.	typ. 0.3 dB (≤ 400 kHz / 100 Ω)
	typ. 0.3 dB (≤ 400 kHz / 150 Ω)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	typ. 2.5 MHz
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	typ. 2.5 MHz
Cut-off frequency f_g (3 dB), asym. (GND) in 100 Ohm system	typ. 1.3 MHz
Cut-off frequency f_g (3 dB), asym. (GND) in 150 Ohm system	typ. 1.3 MHz
Capacity (Core-Core)	typ. 1 nF ($f=1$ MHz / $V_R=0$ V)
Capacity (Core-GND)	typ. 2 nF ($f=1$ MHz / $V_R=0$ V)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (1 kV/25 A)
	C1 - 500 V / 250 A
Surge carrying capacity in acc. with IEC 61643-21 (Core-GND)	B2 (1 kV/25 A)
	C1 (500 V/250 A)

Connection data

Connection method	D-SUB-25
Connection type IN	D-SUB-25 plug
Connection type OUT	D-SUB-25 socket

Connection, equipotential bonding

Connection method	Cable connection/DIN rail
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Standards and Regulations

Standards/regulations	IEC 61643-21
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Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801

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Classifications

eCl@ss

eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	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

GOST / GOST

Ex Approvals

Approvals submitted

Approval details

GOST 
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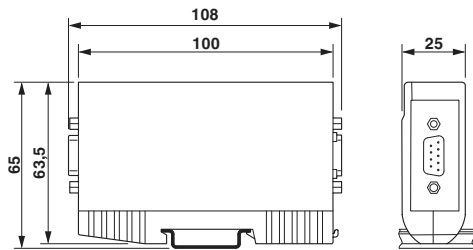
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Approvals



Drawings

Dimensioned drawing



Circuit diagram

