

Surge protection device - DT-UFB-IB-RB0 - 2800056

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Attachment plug with surge protection for 5-conductor remote bus input. Connection: 9-pos. D-SUB socket - plug. Can alternatively be snapped onto DIN rails. Incl. 1 m cable with 9-pos. D-SUB connection.

Your advantages

- ✓ Easy network integration via D-SUB connection
- ✓ No signal interference with adapted protective circuit
- ✓ Can be installed in a control cabinet by removing the ground connection adapter



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 462723
GTIN	4046356462723

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 clearances and creepage distances	IEC 60664-1
	VDE 0110-1
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm

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Technical data

General

Type	Attachment plug for DIN rail mounting
Number of positions	5
Direction of action	Line-Line & Line-Ground/Shield

Protective circuit

IEC test classification	B2
	C1
	C2
	C3
	D1
VDE requirement class	B2
	C1
	C2
	C3
	D1
Maximum continuous voltage U_C	5.8 V DC
Rated current	≤ 180 mA (25 °C)
Operating effective current I_C at U_C	≤ 1 μ A
Residual current I_{PE}	≤ 5 μ A
Nominal discharge current I_n (8/20) μ s (line-line)	≤ 5 kA
Nominal discharge current I_n (8/20) μ s (line-earth)	≤ 5 kA
Total discharge current I_{total} (8/20) μ s	10 kA
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 700 V
Output voltage limitation at 1 kV/ μ s (line-line) static	≤ 15 V
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 700 V
Output voltage limitation at 1 kV/ μ s (line-signalground) static	≤ 15 V
Residual voltage at I_n (line-line)	≤ 25 V
Residual voltage at I_n (line-earth)	≤ 55 V
Residual voltage at I_n (line-signalground)	≤ 25 V
Voltage protection level U_p (line-line)	≤ 16 V (B2 - 100 A)
	≤ 20 V (C1 - 500 A)
	≤ 60 V (C2 - 1 kA)
	≤ 60 V (C2 - 5 kA)
Voltage protection level U_p (line-earth)	≤ 700 V (B2 - 100 A)
	≤ 700 V (C1 - 500 A)
	≤ 700 V (C2 - 5 kA)
Response time t_A (line-line)	≤ 1 ns
Response time t_A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.5 dB (≤ 5 MHz / 150 Ω)
	typ. 0.6 dB (≤ 10 MHz / 100/150 Ω)

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Protective circuit

Cut-off frequency f_g (3 dB), sym. in 100 Ω system	≥ 100 MHz
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	≥ 100 MHz
Capacity (line-line)	typ. 20 pF
Resistance per path	typ. 7 Ω
Surge protection fault message	none
Impulse durability (line-line)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	B2 - 4 kV / 100 A
Impulse durability (line-earth)	B2 - 4 kV / 100 A
	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	D1 - 1 kA

Connection data

Connection method	D-SUB-9
Connection method IN	D-SUB-9 socket
Connection method OUT	D-SUB-9 connector
Connection technology	Remote bus output

Connection, equipotential bonding

Connection method	DIN rail NS35
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Standards and Regulations

Standards/regulations	IEC 61643-21
	DIN EN 61643-21
Standards/specifications	DIN EN 61643-21 2002
	IEC 61643-21 2000

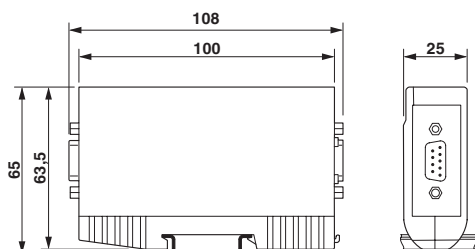
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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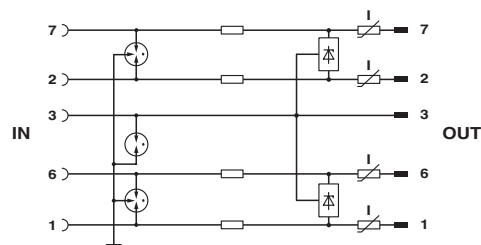
Drawings

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Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27130807
eCl@ss 11.0	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 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 6.0	EC000943
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	39121600

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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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