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Attachment plug with surge protection for V.24 interface. Connection: D-SUB-9 plug/socket, installation in lines

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

Commercial data

Item number	2803069
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	31BCL
Product key	CL3112
Catalog page	Page 168 (C-4-2019)
GTIN	4046356312974
Weight per piece (including packing)	325 g
Weight per piece (excluding packing)	300.55 g
Customs tariff number	85363010
Country of origin	DE

DT-UFB-V24/S-9-SB - Surge protection device



2803069

<https://www.phoenixcontact.com/no/products/2803069>

Technical data

Product properties

IEC test classification	B2
	C1
	C2
	C3
VDE requirement class	B2
	C1
	C2
	C3
Type	Attachment plug for DIN rail mounting
Product type	Surge protection for information technology
Product family	DATATRAB
Number of positions	9

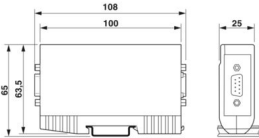
Insulation characteristics

Overvoltage category	II
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Connection data

Connection method	D-SUB-9
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Dimensions

Dimensional drawing	
Width	25 mm
Height	102 mm
Depth	63.5 mm

Material specifications

Color	Silver
	black (RAL 9005)
Housing material	Zinc die-cast

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

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Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Maximum continuous voltage U_C	15 V DC
	10 V AC
Rated current	≤ 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 (line-line)	≤ 250 A
Nominal discharge current I_n (8/20) μ s (line-ground)	≤ 250 A
Nominal discharge current I_n (8/20) μ s (line-signal ground)	≤ 250 A
Nominal discharge current I_n (8/20) μ s (signalground-earth)	≤ 5 kA
Total discharge current I_{total} (8/20) μ s	5 kA
Nominal pulse current I_{an} (10/1000) μ s (line-line)	50 A
Nominal pulse current I_{an} (10/1000) μ s (line-earth)	50 A
Nominal pulse current I_{an} (10/1000) μ s (line-signalground)	50 A
Nominal pulse current I_{an} (10/700) μ s (line-line)	50 A
Nominal pulse current I_{an} (10/700) μ s (line-earth)	50 A
Nominal pulse current I_{an} (10/700) μ s (line-signalground)	50 A
Output voltage limitation at 1 kV/ μ s (line-line) static	≤ 50 V
Output voltage limitation at 1 kV/ μ s (line-signalground) static	≤ 30 V
Residual voltage at I_n (conductor-conductor)	≤ 55 V
Residual voltage at I_n (line-signalground)	≤ 30 V
Voltage protection level U_p (line-line)	≤ 55 V (C1 - 250 A)
	≤ 55 V (B2 - 25 A)
Voltage protection level U_p (line-earth)	≤ 450 V (C1 - 250 A)
	≤ 400 V (B2 - 25 A)
Voltage protection level U_p (line-signalground)	≤ 30 V (C1 - 250 A)
	≤ 30 V (B2 - 25 A)
Response time t_A (line-line)	≤ 1 ns
Response time t_A (line-earth)	≤ 100 ns
Response time t_A (line-signalground)	≤ 1 ns
Response time t_A (shield-ground)	≤ 100 ns
Input attenuation aE, sym.	typ. 0.3 dB (≤ 700 kHz / 100 Ω)
	typ. 0.3 dB (≤ 700 kHz / 150 Ω)
Input attenuation aE, 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 Ω system	typ. 2.5 MHz
Cut-off frequency f_g (3 dB), sym. in 150 Ω system	typ. 2.5 MHz
Cut-off frequency f_g (3 dB), asym. (signal ground) in 100 Ω system	typ. 1.3 MHz
Cut-off frequency f_g (3 dB), asym. (signal ground) in 150 Ω system	typ. 1.3 MHz
Capacity (Core-Core)	typ. 1 nF ($f=1$ MHz / $V_R=0$ V)
Capacity (line-signalground)	typ. 2 nF ($f=1$ MHz / $V_R=0$ V)
Surge protection fault message	none

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Impulse durability (line-line)	B2 - 1 kV / 25 A
	C1 - 500 V / 250 A
Impulse durability (line-signalground)	B2 - 1 kV/25 A
	C1 - 500 V/250 A
Impulse durability (signalground-earth)	B2 - 4 kV / 100 A
	C1 - 100 V / 500 A
	C2 - 10 kV/5 kA
Alternating current carrying capacity (signalground-earth)	5 A - 1 s

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

VDE requirement class	B2
	C1
	C2
	C3

Air clearances and creepage distances

Standards/regulations	IEC 60664-1 / VDE 0110-1
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Standards Information technology specification

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

Mounting

Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
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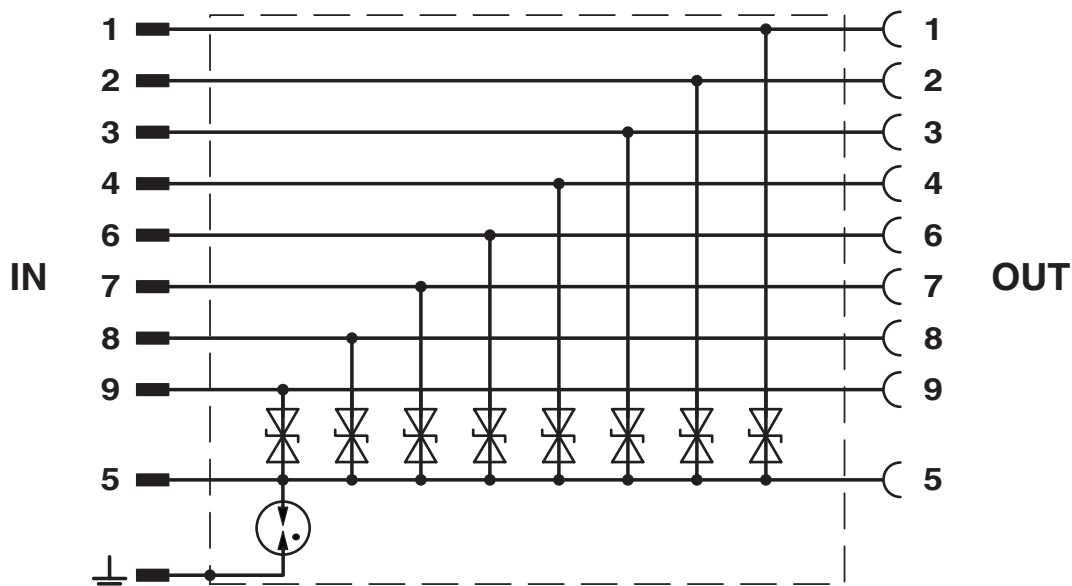
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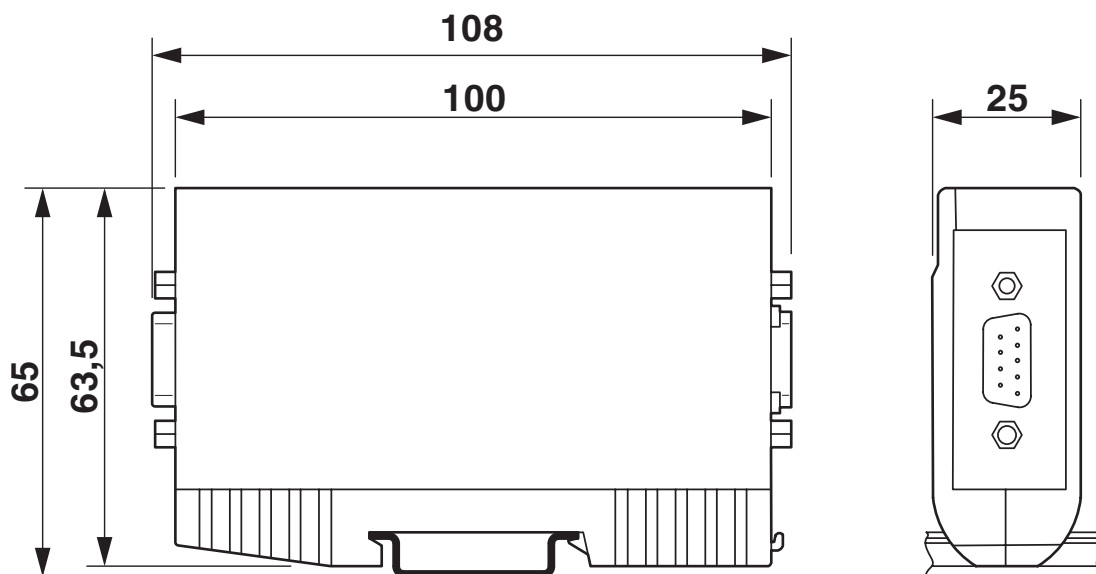


Drawings

Circuit diagram



Dimensional drawing



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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/no/products/2803069>



EAC

Approval ID: EAC-Zulassung



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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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