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Extract from the online catalog

DT-UFB-V24/S-9-SB


Order No.: 2803069



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2803069>

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

Commercial data

GTIN (EAN)	 4 046356 312974
sales group	J400
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 140 (TT-2009)

Product notes

WEEE/RoHS-compliant since:
06/03/2008



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

General

Housing material	Zinc die-cast
Color	silver/black
Standards for air and creepage distances	IEC 60664-1: 1992-10 VDE 0110-1
Total surge current (8/20) μ s	5 kA

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Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Design	Attachment plug for DIN rail mounting
Number of positions	9
Degree of protection	IP20
Direction of action	Line-Line & Line-Signal Ground/Shield & Signal Ground/Shield-Earth Ground
Width	25.00 mm
Height	63.00 mm
Length	110.00 mm

Protective circuit

IEC category	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)
Ground conductor current I_{PE}	≤ 1 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	≤ 250 A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	≤ 250 A
Nominal discharge surge 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

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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
Protection level U_p (Core-Core)	≤ 55 V (B2 - 25 A) ≤ 55 V (C1 - 250 A)
Protection level U_p (Core-Earth)	≤ 400 V (B2 - 25 A) ≤ 450 V (C1 - 250 A)
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
Response time t_A (Shield-Earth)	≤ 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 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)

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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

Type of connection	D-SUB-9
Connection type IN	D-SUB-9 male connector
Connection type OUT	D-SUB-9 female connector

Connection, equipotential bonding

Type of connection	Cable connection / DIN rail
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Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification GOST

Accessories

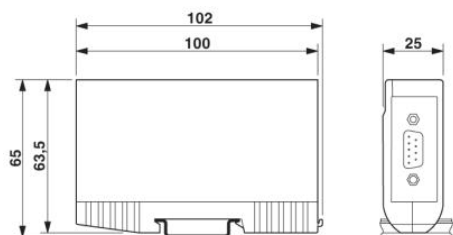
Item	Designation	Description
General		
1656233	VS-09-DSUB-20-LI-1,0	Assembled D-SUB cable shielded, 9-pos., stranded (7-wire), cable color RAL 7000 (gray), IP20 degree of protection, head 1 with socket shell 1 and straight cable outlet, head 2 with pin shell 1 and straight cable outlet, length: 1 m

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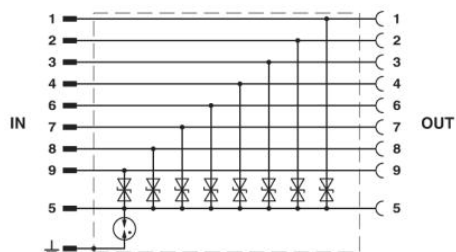
<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2803069>

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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