

DT-UFB-V24/S-9-SB

Order No.: 2803069



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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



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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

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

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
	≤ 100 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)

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



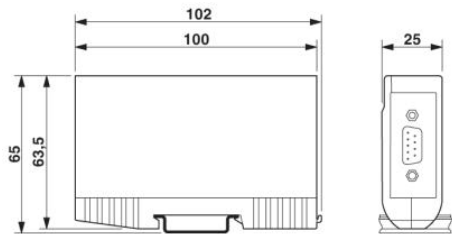
Certification GOST

Accessories

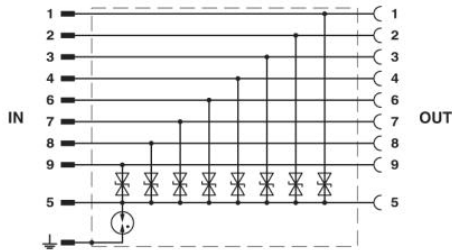
Item	Designation	Description
General		
1656233	VS-09-DSUB-20-LI-1,0	Assembled D-SUB cable shielded, 9-pos., stranded (7-wire), cable color RAL 7000 (gray), IP20 degree of protection, head 1 with socket shell 1 and straight cable outlet, head 2 with pin shell 1 and straight cable outlet, length: 1 m

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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