

D-LAN-CAT.5E-U


Order No.: 2859084



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DATATRAB adapter, protective adapter to be inserted into the data line for the protection of the LAN interfaces, without RJ45 cable. The adapter is equipped with a universal foot, for mounting on the DIN rail NS 35/7.5.

Commercial data

GTIN (EAN)	 4 017918 920470
sales group	J403
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 97 (TT-2005)

Product notes

WEEE/RoHS-compliant since:
03/27/2006



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Technical data

General

Housing material	Aluminum, anodized
Color	black

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	II
Pollution degree	2
Ambient temperature (operation)	-40 °C ... 80 °C
Mounting type	DIN rail/G-profile rail
Design	Attachment plug for DIN rail mounting
Degree of protection	IP20
Direction of action	Line-Line & Line-Shield & Shield-Earth Ground
Width	25.40 mm
Height	45.40 mm
Length	94.00 mm

Protective circuit

IEC category	C1
	C2
	C3
	B2
	B3
VDE requirement class	C1
	C2
	C3
	B2
	B3
Maximum continuous voltage U_C (wire-wire)	± 7 V DC
Maximum continuous voltage U_C (wire-ground)	± 7 V DC
Nominal current I_N	1.5 A (/25 °C)
Operating effective current I_C at U_C	≤ 100 μ A
Ground conductor current I_{PE}	≤ 100 μ A
Nominal discharge surge current I_n (8/20) μ s (Core-Core)	350 A
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	2.5 kA
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Earth)	2.5 kA (in total)
Nominal pulse current I_{an} (10/700) μ s (Core-Core)	160 A

Nominal pulse current I_{an} (10/700) μ s (Core-Earth)	160 A
Output voltage limitation at 1 kV/ μ s (Core-Core) spike	≤ 22 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 80 V (equipotential bonding lead: 1 m)
Output voltage limitation at 1 kV/ μ s (Shield-Earth) spike	≤ 700 V (equipotential bonding lead: 1 m)
Residual voltage at I_n , (conductor-conductor)	≤ 45 V
Residual voltage at I_n , (conductor-ground)	≤ 45 V
Residual voltage at I_n , (shield-ground)	≤ 700 V
Protection level U_p (Core-Core)	≤ 50 V (C1, 500 V/250 A)
	≤ 20 V (B3, 2 kV/25 A)
Protection level U_p (Core-Earth)	≤ 65 V (C1, 500 V/250 A - PA-Ltg: 1 m)
	≤ 25 V (B3, 2 kV/25 A - PA-Ltg: 1 m)
	≤ 60 V (C3, 7 kV/90 A - PA-Ltg: 1 m)
Protection level U_p (Shield-Earth)	≤ 850 V (C2, 4 kV/2 kA - PA-Ltg: 1 m)
Response time t_A (Core-Core)	≤ 500 ns
Response time t_A (Core-Earth)	≤ 100 ns
Input attenuation a_E , sym.	1 dB (up to 100 MHz, 100 Ω system)
Near-end crosstalk attenuation	36 dB (pair 3-6 against pair 4-5 in 100 Ω system / 100 MHz)
	40 dB (all other pair combinations in 100 Ω system/100 MHz)
Cut-off frequency f_g (3 dB), sym. in 100 Ohm system	≤ 100 MHz
Capacity (Core-Core)	20 pF (typical)
Capacity (Core-Earth)	1 pF (typical)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	B2 (4 kV / 100 A)
	B3 (2 kV/25 A)
	C1 (500 V / 250 A)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	B2 (4 kV / 100 A)
	C1 (500 V/250 A)
	C2 (4 kV / 2 kA)
	B3 (2 kV/25 A)
Connection data	
Connection method	RJ45

Connection type IN	RJ45 female connector
Connection type OUT	RJ45 female connector
Connection method	Network interfaces (e.g. Ethernet, Token Ring and CDDI/FDDI)

Connection, equipotential bonding

Connection method	Cable connection
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Connection, protective circuit

Standards/regulations	IEC 61643-21
	E VDE 0845-3-1
	DIN EN 50173-1

Certificates / Approvals

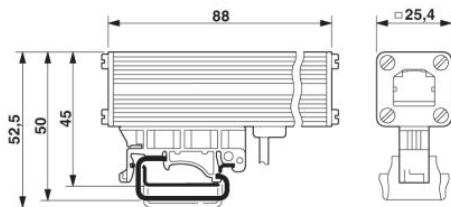


Certification

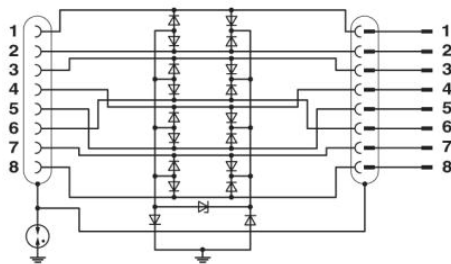
GOST, UL Listed

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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