

2881007

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Surge protection in accordance with Class E_A (CAT6_A), for Gigabit Ethernet (up to 10 Gbps), token ring, FDDI/CDDI, ISDN, DS1. Suitable for Power over Ethernet (PoE++/4PPoE) "Mode A" and "Mode B". RJ45 intermediate plug with separate grounding cable and ground connection snap-on foot for NS 35 DIN rails. Products with similar requirements: DT-LAN-CAT.6A (2908726) und D-LAN-CAT.5-HC (2800763).

Your advantages

- · Can be used in applications up to 10 Gbps with adapted protective circuit
- High power transmission with PoE++ / 4PPoE support
- · Easy network integration via RJ45 jacks
- · Can be installed in a control cabinet by removing the ground connection adapter
- · Suitable for category 6 high-speed data networks

Commercial data

Item number	2881007
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL24
Product key	CL3112
GTIN	4046356151900
Weight per piece (including packing)	314.857 g
Weight per piece (excluding packing)	314.1 g
Customs tariff number	85363010
Country of origin	DE



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Technical data

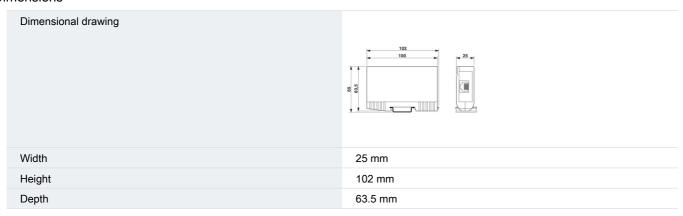
Product properties

Product type	Surge protection for information technology	
Product family	DATATRAB	
IEC test classification	B2	
	C1	
	C2	
	C3	
	D1	
Туре	Attachment plug for DIN rail mounting	
Number of positions	8	
Surge protection fault message	none	
Wire pairs per module	4	
Insulation characteristics		
Overvoltage category	II	
Pollution degree	2	

Connection data

Connection method	R.145	

Dimensions



Material specifications

Color	silver-colored
Housing material	Die-cast zinc

Mechanical properties

Mechanical d	ata
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Open side panel	No

Protective circuit

Direction of action	e-Line & Line-Ground/Shield
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Maximum continuous voltage U _C (line-line)	≤ 3.3 V DC (±60 V DC/PoE+)
Rated current	≤ 1.5 A (25 °C)
Operating effective current I _C at U _C	≤ 1 µA
Protective conductor current I _{PE}	≤ 400 µA
Nominal discharge current I _n (8/20) µs (line-line)	100 A
Nominal discharge current I _n (8/20) µs (line-ground)	2 kA (per signal pair)
Pulse discharge current l _{imp} (10/350) µs (line-earth)	1 kA
Total discharge current I _{Total} (8/20) µs	10 kA
Nominal pulse current lan (10/700) µs (line-line)	≤ 40 A
Nominal pulse current lan (10/700) µs (line-earth)	≤ 160 A
Output voltage limitation at 1 kV/µs (line-line) spike	≤ 85 V (PoE)
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 700 V
Output voltage limitation at 1 kV/µs (line-line) static	≤9 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 700 V
Residual voltage at I _n (conductor-conductor)	≤ 15 V
	≤ 100 V (PoE)
Voltage protection level U _p (line-line)	≤ 9 V (B2 - 1 kV / 25 A)
r	≤ 100 V (B2 - 1 kV / 25 A - PoE)
	≤ 12 V (C3 - 20 A)
Itage protection level U _p (line-earth)	≤ 900 V (B2 - 4 kV / 100 A)
r e	≤ 700 V (C2 - 4 kV / 2 kA)
	≤ 1 kV (C3 - 80 A)
Response time t _A (line-line)	≤1 ns
Response time t _A (line-earth)	≤ 100 ns
Input attenuation aE, sym.	≤ 1 dB (up to 100 MHz/direct measuring)
	≤ 1 dB (up to 250 MHz/direct measuring)
	≤ 3 dB (up to 500 MHz/direct measuring)
Near-end crosstalk attenuation	≥ 35 dB (250 MHz/100 Ω/link)
	≥ 45 dB (100 MHz / 100 Ω / Link)
	≥ 27 dB (500 MHz / 100 Ω / Link)
	≥ 39 dB (250 MHz/100 Ω/direct measuring)
Capacity (Core-Core)	typ. 12 pF (f= 1 MHz / VR= 0 V)
Capacity (Core-Earth)	typ. 2 pF (f= 1 MHz / VR= 0 V)
Surge protection fault message	none
npulse durability (line-line)	B2 - 1 kV / 25 A
	C3 - 20 A
Impulse durability (line-earth)	B2 - 4 kV / 100 A
	C2 - 4 kV / 2 kA
	C3 - 80 A
	D1 - 1 kA

Environmental and real-life conditions

Ambient conditions



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Degree of protection	IP20
Ambient temperature (operation)	-40 °C 70 °C
Ambient temperature (storage/transport)	-40 °C 70 °C
Altitude	≤ 4000 m (amsl)
Permissible humidity (operation)	5 % 85 %

Standards and regulations

Standards/specifications	IEC 61643-21
Note	2002
Standards/specifications	EN 50173-1
Note	2002
Standards/specifications	ISO/IEC 11801-Am.1
Note	2006

Mounting

Mounting type	Connection-specific attachment plug and DIN rail, 35 mm
Woulding type	Connection specific attachment plag and Birt rail, commi

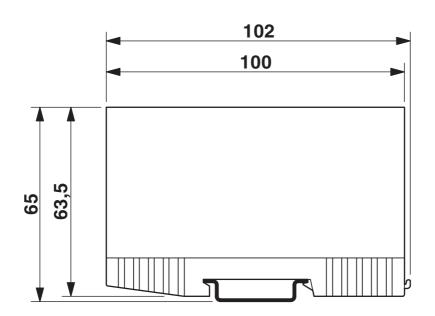


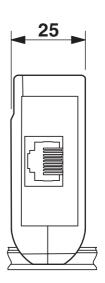
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Drawings

Dimensional drawing





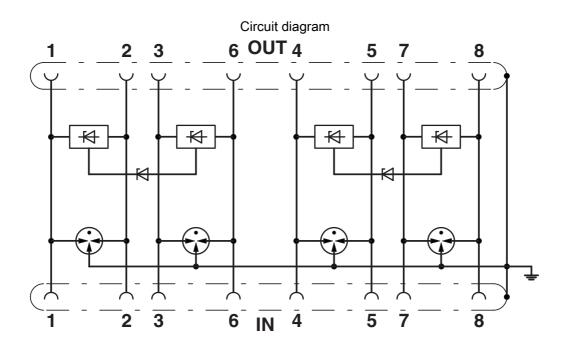
Application drawing





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Approvals

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UL Listed

Approval ID: FILE E 138168

UAE-RoHS

Approval ID: 23-10-88352



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Classifications

ECLASS

	ECLASS-13.0	27171503		
	ECLASS-15.0	27171503		
ETIM				
	ETIM 9.0	EC000943		
U	UNSPSC			
	UNSPSC 21.0	39121600		



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a)-I, 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: n/a)
SCIP	0151641f-8d9c-4558-8f99-5ef76a28eeb6
EF3.0 Climate Change	
CO2e kg	5.26 kg CO2e

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