

1088786

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Surge protection with integrated status indicator for three signal wires with common reference potential. For HF applications and telecommunications interfaces without supply voltage (up to 90 Mbps). Indirect grounding via gas discharge tube.

#### Your advantages

- · Space-saving and cost-saving with a narrow overall width of just 6 mm
- · Continuous monitoring of protective devices, plus mechanical status indicator with optional remote signaling
- Finding the right product for all possible requirements in MCR applications is easy, thanks to the complete range of products with customized features

#### Commercial data

Item number	1088786
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL23
Product key	CL2262
GTIN	4055626891712
Weight per piece (including packing)	38.2 g
Weight per piece (excluding packing)	37 g
Customs tariff number	85363010
Country of origin	DE



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### Technical data

#### Product properties

	C2 C3
	C3
	D1
Туре	DIN rail module, one-piece
Product type	Surge protection for information technology
Product family	TERMITRAB complete

#### Electrical properties

Nominal voltage U <sub>N</sub>	24 V AC

#### Connection data

Connection method	Push-in connection
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section rigid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

#### **Dimensions**

Dimensional drawing	105,8
Width	6.2 mm +0.1 mm
Height	105.8 mm
Depth	83.5 mm (incl. DIN rail 7.5 mm)

#### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V-0
Insulating material	PBT
Housing material	PBT

#### Mechanical properties

#### Mechanical data

Weethanical data		
	Open side panel	No



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#### Protective circuit

Direction of action	Line-Line & Line-Signal Ground/Shield & optional Signal Ground/Shield-Earth Ground
Maximum continuous voltage U <sub>C</sub>	43 V DC
	30 V AC
Rated current	600 mA (40 °C)
Residual current I <sub>PE</sub>	≤ 1 µA
Nominal discharge current I <sub>n</sub> (8/20) µs	10 kA
Pulse discharge current I <sub>imp</sub> (10/350) μs	2.5 kA
Total discharge current Ι <sub>total</sub> (8/20) μs	10 kA
Voltage protection level U <sub>p</sub> (line-line)	≤ 80 V (C1 - 1 kV / 500 A)
	≤ 80 V (C1 - 1 kV / 500 A, >1 µs)
	≤ 150 V (C2 - 10 kV / 5 kA)
	≤ 70 V (C2 - 10 kV / 5 kA, >1 µs)
	≤ 75 V (C3 - 100 A)
	≤ 75 V (C3 - 100 A, >1 µs)
Voltage protection level U <sub>p</sub> (line-earth)	≤ 900 V (C1 - 1 kV / 500 A)
	≤ 100 V (C1 - 1 kV / 500 A, >1 µs)
	≤ 1 kV (C2 - 10 kV / 5 kA)
	≤ 70 V (C2 - 10 kV / 5 kA, >1 µs)
	≤ 1200 V (C3 - 100 A)
	≤ 70 V (C3 - 100 A, >1 µs)
Voltage protection level U <sub>p</sub> (line-signalground)	≤ 90 V (C1 - 1 kV / 500 A)
	≤ 90 V (C1 - 1 kV / 500 A, >1 µs)
	≤ 170 V (C2 - 10 kV / 5 kA)
	≤ 70 V (C2 - 10 kV / 5 kA, >1 µs)
	≤ 75 V (C3 - 70 A)
	≤ 75 V (C3 - 70 A, >1 µs)
Response time t <sub>A</sub> (line-line)	≤ 1 ms
Response time t <sub>A</sub> (line-earth)	≤ 55 ms
Response time t <sub>A</sub> (line-signalground)	≤ 1 ms
Input attenuation aE, sym.	typ. 0.3 dB (≤ 10 MHz/150 Ω)
Cut-off frequency fg (3 dB), sym. in 150 Ω system	typ. 60 MHz
Capacity (Core-Core)	typ. 25 pF
Capacity (Core-Earth)	typ. 50 pF
Capacity (line-signalground)	typ. 25 pF
Resistance per path	1.65 Ω ±20 %
Surge protection fault message	optical
Max. required back-up fuse	630 mA (FF)
Impulse durability (line-line)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	C2 - 10 kA
	C3 - 100 A



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Impulse durability (line earth)	C1 - 1 kV / 500 A
Impulse durability (line-earth)	C1 - 1 KV / 300 A
	C2 - 10 kV / 5 kA
	C2 - 10 kA
	C3 - 100 A
	D1 - 2.5 kA
Impulse durability (line-signalground)	C1 - 1 kV / 500 A
	C2 - 10 kV / 5 kA
	C2 - 10 kA
	C3 - 70 A

#### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 85 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	≤ 4000 m (amsl)
Permissible humidity (operation)	5 % 95 % (non-condensing)

### Standards and regulations

Standards/specifications	IEC 61643-21
Note	2000 + A1:2008 + A2:2012

#### EN 61643-21

Standards/specifications	EN 61643-21
Note	2001 + A1:2009 + A2:2013

### Mounting

Mounting type	DIN rail: TH 35 - 7.5 mm	



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### Classifications

#### **ECLASS**

	ECLASS-11.0	27130807	
	ECLASS-13.0	27171503	
ETIM			
	ETIM 9.0	EC001466	
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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