

2817958

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Rail-mountable surge arrester as device protection for terminal equipment, fault signal in the plug and signaling contact in the base element, 2-section, pluggable. Design: 48 V DC

### Your advantages

- · Easy testing and documentation with CHECKMASTER 2 with pluggable protective modules
- · Maximum ease of maintenance, thanks to the 2-piece design
- · Easy selection for all possible demands in MCR applications with a complete product portfolio
- · The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs
- Permanent protective device monitoring with optical signaling via LED

#### Commercial data

Item number	2817958
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL01
Product key	CL1411
Catalog page	Page 84 (C-4-2019)
GTIN	4017918574987
Weight per piece (including packing)	67.93 g
Weight per piece (excluding packing)	63.465 g
Customs tariff number	85363090
Country of origin	DE



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## Technical data

#### Product properties

IEC power supply system	DC
Туре	DIN rail module, two-section, divisible
Product type	Device protection
Surge protection fault message	Optical, remote indicator contact
Insulation characteristics	
Overvoltage category	III
Pollution degree	2
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
IEC test classification	III
	T3
EN type	Т3
Number of ports	One

### Electrical properties

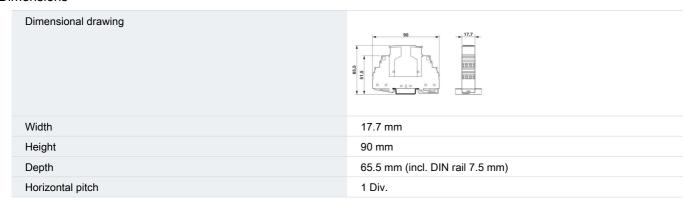
#### Indicator/remote signaling

8 8	
Connection name	Remote fault indicator contact
Switching function	N/C contact
Operating voltage	7 V DC 70 V DC (open collector)
Operating current	5 mA DC 15 mA (open collector)

#### Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 Nm
Conductor cross section flexible	0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Conductor cross section rigid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

#### **Dimensions**





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### Material specifications

Color	black (RAL 9005)
	Copper
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Housing material	PA 6.6

#### Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
	(L+) - (L-)
	(L+/L-) - PE
Direction of action	1L-N & N-PE
Nominal voltage U <sub>N</sub>	48 V DC
Maximum continuous voltage $\mathbf{U}_{\mathbf{C}}$	60 V DC
Rated load current I <sub>L</sub>	26 A (30 °C)
Residual current I <sub>PE</sub>	≤ 10 µA
Nominal discharge current I <sub>n</sub> (8/20) µs	500 A
Combination wave U <sub>OC</sub>	1 kV (2 Ω)
	1 kV (2 Ω)
Voltage protection level U <sub>p</sub>	≤ 120 V
Response time t <sub>A</sub> (L-N)	≤ 1 ns
Response time t <sub>A</sub> (L-PE)	≤ 1 ns
Short-circuit current rating I <sub>SCCR</sub>	200 A (without backup fuse for U <sub>C</sub> )
Max. backup fuse with branch wiring	50 A (gG)

### Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C 80 °C
Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl)
Permissible humidity (operation)	5 % 95 %

### Standards and regulations

#### Air clearances and creepage distances

Standards/regulations	DIN VDE 0110-1 / IEC 60664-1 / DIN VDE 0675-6 / IEC 61643-1
Standards/specifications	EN 61643-11
Note	2012
Standards/specifications	IEC 61643-11



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	Note	2011
Мс	punting	
	Mounting type	DIN rail: 35 mm



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## Classifications

#### **ECLASS**

	ECLASS-11.0	27130806
	ECLASS-13.0	27171203
ΕI	TIM	
	ETIM 9.0	EC000942
	IODOO	
Uľ	NSPSC	
	UNSPSC 21.0	39121600



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## Environmental product compliance

REACh SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
OL: D. HO	
China RoHS	Environmentally Friendly Use Period = 50 years

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