

2803409

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Type 3 arrester for universal mounting in installation boxes, sill-type trunking, underfloor installations or directly in the termination device. Circuit with thermal monitoring, acoustic fault warning. Installation in branch or through wiring. Design: 230 V AC

Your advantages

- · Optimal additional protection of the building installation for longer service life and increased availability of the end devices
- · Can be used universally, thanks to its compact design
- · Concealed surge protection, thanks to installation in the device socket
- · Excellent level of information provided, thanks to visual or audible fault indication

Commercial data

Item number	2803409
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL01
Product key	CL1441
Catalog page	Page 87 (C-4-2019)
GTIN	4046356350976
Weight per piece (including packing)	27.35 g
Weight per piece (excluding packing)	27.35 g
Customs tariff number	85363010
Country of origin	DE



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Technical data

Product properties

IEC power supply system	TN-S
	TT
	IT with N conductor
Туре	Installation module
Distance between live and grounded parts	3 mm
Product type	Device protection
Product family	BLOCKTRAB
Number of positions	2
Surge protection fault message	Acoustic

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One
Distance between live and grounded parts	3 mm

Connection data

Connection method	Spring-cage connection
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section rigid	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14

Dimensions

Dimensional drawing	42.9 42.9 42.9 21.6
Width	22.5 mm
Height	43 mm
Depth	26.2 mm

Material specifications

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



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Insulating material	PA 6.6
Housing material	PA 6.6

Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
Direction of action	L(N)-PE
Nominal voltage U _N	230/400 V AC (TN-S)
	230/400 V AC (TT - only in use with RCD)
Nominal frequency f _N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C (L-N)	275 V AC
Maximum continuous operating voltage U_C (L-PE)	440 V AC
Maximum continuous operating voltage U_C (N-PE)	440 V AC
Rated load current I _L	16 A (30 °C)
Residual current I _{PE}	≤ 3 µA
Standby power consumption P _C	≤ 400.00 mVA
Reference test voltage U _{REF}	255.00 V AC
Nominal discharge current I _n (8/20) μs	3 kA
Maximum discharge current I _{max} (8/20) μs	8 kA
Combination wave U _{OC}	6 kV
Voltage protection level U _p (L-N)	≤ 1.3 kV
Voltage protection level U _p (L-PE)	≤ 1.5 kV
Voltage protection level U _p (N-PE)	≤ 1.5 kV
Residual voltage at lamax, (L-N)	≤ 1.3 kV (at U _{OC})
Residual voltage at lamax, (L-PE)	≤ 1.5 kV (at U _{OC})
Residual voltage at lamax, (PE)	≤ 1.5 kV (at U _{OC})
TOV behavior at U _T (L-N)	335 V AC (5 s / withstand mode)
	440 V AC (120 min / safe failure mode)
TOV behavior at U _T (L-PE)	440 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
	1455 V AC (200 ms / safe failure mode)
TOV behavior at U _T (N-PE)	1200 V AC (200 ms / safe failure mode)
Response time t _A (L-N)	≤ 25 ns
Response time t _A (L-PE)	≤ 100 ns
Short-circuit current rating I _{SCCR}	1 kA AC
Max. backup fuse with branch wiring	16 A (MCB B)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-30 °C 75 °C
Ambient temperature (storage/transport)	-30 °C 75 °C
Altitude	≤ 2000 m (amsl)



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Mounting type

Permissible humidity (operation)	5 % 95 %
Standards and regulations	
Air clearances and creepage distances	
Standards/regulations	EN 60664-1 / IEC 60664-1 / IEC 61643-1 / EN 61643-11
Standards/specifications	IEC 61643-11
Note	2011
Standards/specifications	EN 61643-11
Note	2012
Mounting	

Screw mounting



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Classifications

ECLASS

	ECLASS-11.0	27130806	
	ECLASS-13.0	27171203	
ΕΊ	ETIM		
	ETIM 9.0	EC000942	
U	NSPSC		
	UNSPSC 21.0	39121600	



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Environmental product compliance

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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