

## Ref. No. 667487 | Cat. No. SA BLOCK I&II 100N

**Description: SurgeGuard - Surge Arresters Monobloc I&II 100N**

**EAN 5413656674870**

**Home > Modular DIN-rail devices > Comfort functions > Surge arresters**

Description:

• **Function:**

Protection of an electrical installation and all electrical and electronic devices connected to this installation against destructive overvoltage surges. Such voltage surges can be generated by lightning induced currents, by network-polluting devices (such as motors, frequency-converters, dimmers, etc.) and by power supplier network switching operations.

• **Applications:**

Surge arresters cover the protection of home appliances (TV, HiFi, VCR, laundry-machine, dishwasher,...), commercial building equipment (computer and data communication network, intrusion and fire alarm system, access-control and building automation system), but also industrial equipment (PLC, instrumentation, medical apparatus, monitoring devices) and even the protection of entire off-shore drilling platforms

• **Features:**

• The line of surge arresters includes a full range of compact protectors for installation on DIN rail. The devices are especially designed to provide complete and effective protection against surges, protecting equipment and property connected to the low voltage network.

• The range of surge arresters includes:

- Class I limp = 100kA (monoblock)
  - Class I+II limp = 12.5kA and limp = 25kA (plug-in)
  - Class I+II limp = 7.5kA and limp = 15kA (monoblock) in 10/350ms waveform
  - Class II with different discharge capacities: 15kA, 20kA, 40kA in 8/20ms waveform
  - Class II for DC photovoltaic applications, communication and TV lines are also available.
- The most suitable value will be selected according to the type of installation, premises and equipments to be protected.

• NEW plug-in ranges in Class I+II, Class II and for photovoltaic application in uni- and multipole format.

• Several different formats one pole, single phase, two phase and three phases are available for all types of electrical net systems: TT, TN-S, TN-C, IT.

• Additionally, dedicated versions for temporary overvoltage (TOV) are included in the offer.

TOV is a voltage peak of hundreds of volts for an indeterminate period due to the unbalance of the network (normally caused by neutral fault).

• The Tele OV devices follow the new European standard EN 50550.

### Descriptors

Category	Surge arresters
Family	Surge arresters - SurgeGuard

### Specifications

Un (V)	275 V
Imax (kA)	100 kA
Class	1+2
Poles	1
Auxiliary	none
In (kA)	65 kA
limp (kA)	30 kA

**by ABB**

## Specifications

Up (L-N) (V)	1500 V
Number of phases	1
Number of modules	2
Mounting	Single pole monoblock
Technology	MOV
Response time	100 ns
Thermal fuse healthy indication	mechanical flag
Nominal current Un	230Vac or 400Vac
Frequency	50/60Hz
Useable in network	TN-C, TN-S, TT, IT
Screws	Pozidriv 3
Standards	BS 6651, DIN VDE 0675-6, IEC 61643-I, IEC 61643-II, NF C61-740
Energy impulse wave	10/350µs / 8/20µs
User temperature (°C)	-40°C / +75°C
Terminal capacity max (mm²)	1x25/35 mm²
Terminal capacity min (mm²)	1 x 6 mm²

## Classifications

ETIM 5.0	EC001457 - Combined arrester for power supply systems
ETIM 6.0	EC001457 - Combined arrester for power supply systems
ETIM 7.0	EC001457 - Combined arrester for power supply systems

## Dimensions

Weight	0.190 kg
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## Package Information

Standard packing	1
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