

Type 2 surge protective modules



Type 2 surge products are permanently connected devices that are installed on the load side of the service entrance overcurrent protective device, including surge protective devices (SPDs) located at the branch panel. These devices can be used as replacements for what were previously known as secondary surge arresters. Eaton's Type 2 surge protective modules are cULus listed. They are tested to the highest industry standards for ultimate safety.

Applications

- Loadcenters/electrical panels
- Residential service entrances

Features

- Clear, visible LED indication displays protective status of device
- Plug-on neutral (PON) and legacy designs for new and retrofit applications

Benefits

- Protects single- and split-phase configurations
- Eliminates the potential for incorrect installation of externally mounted surge devices (longer "lead" lengths can reduce protection levels)
- Provides superior protection for sensitive electronics with low-voltage protection rating values
- Offers a 1-year product warranty



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Product selection

All products below have an input power frequency of 50/60 Hz.

Catalog number	Type	Voltage	Phase	MCOV ¹	VPR ²	Frequency rating	I _n ³	SCCR ⁴	Surge current capacity, per phase rating ⁵
BRPSURGE	BR	120/240	Single split-phase	L-L 300, L-N 150	500 V	50/60 Hz	3 kA	10 kA	18 kA
BRNSURGE	BR	120/240	Single split-phase	L-L 300, L-N 150	600 V	50/60 Hz	3 kA	10 kA	18 kA

- ¹ MCOV: maximum continuous operating voltage that may be applied to the device per mode.
- ² VPR: voltage protection rating is the measured limiting voltage after a surge event.
- ³ I_n: nominal discharge current is the current that the device can withstand for 15 impulses.
- ⁴ SCCR: short-circuit current rating is the amount of current the product can withstand under short-circuit conditions.
- ⁵ Surge current capacity: the maximum amount of surge current the device can shunt to ground during a surge event on one phase.

Surge module cross reference

Legacy catalog number	PON catalog number	Pigtail catalog number
BRSURGE	BRPSURGE	BRNSURGE

General specifications

PON catalog number	BRPSURGE
Product name	Eaton Type BR circuit breaker surge protective device
Product length/depth	3 IN
Product height	3 IN
Product width	2 IN
Product weight	.35 LB
Product warranty	One year
Certifications	cULus

Pigtail catalog number	BRNSURGE
Product name	Eaton Type BR circuit breaker surge protective device
Product length/depth	3 IN
Product height	3 IN
Product width	2 IN
Product weight	.35 LB
Product warranty	One year
Certifications	cULus

For more information, please contact your local Eaton sales representative or visit Eaton.com/residential