

DATA SHEET

Whole home surge protection

Surge protective devices



Surge protective devices (SPDs) are engineered to safeguard hard-wired appliances that standard plug-in surge protectors can't reach. ABB's residential SPDs deliver comprehensive, whole-home protection — shielding sensitive electronic equipment.

Benefits

- Mitigates against surge damage caused by lightning and utility switching events
- Plug-in design installs like a two-pole circuit breaker in your ABB ReliaHome™ or GE PowerMark™ load center*
- Offers surge capacity of up to 75,000 amps per phase, depending on the selected SPD model

Product features

- Single phase, three wire, 120/240 VAC
- Type 1 SPD with a 22 kA SCCR rating
- Monolithic, high energy metal oxide varistors per phase with integral thermal and overcurrent protection
- Illuminated LED indicates proper function of protective elements

*PON surge protective devices are designed for use with ABB ReliaHome™ P-Series / P-Series+ and GE PowerMark™ PRO load centers.

Technical data

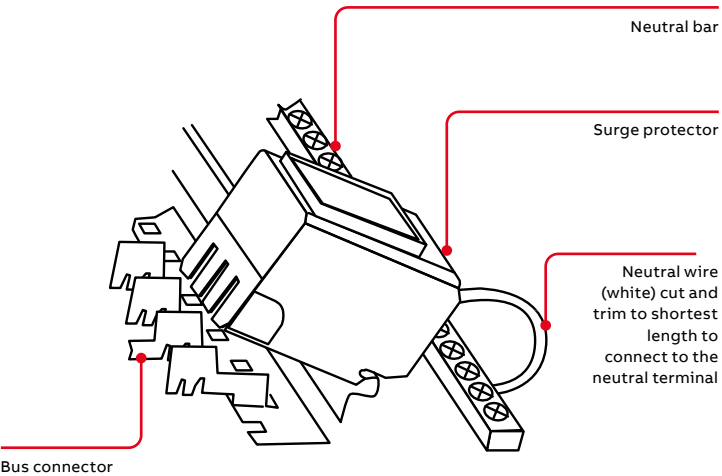
The ABB plug-in surge protective devices are designed for service entrance or subpanel locations. They provide small, easy-to-install surge protection for the entire home or office. The surge protective device consists of monolithic, high energy metal oxide varistors per phase with integral thermal and overcurrent protection. An illuminated

LED indicates the proper function of the protective elements. The ABB plug-in surge protective device conveniently connects inside the ABB ReliaHome™ or PowerMark™ load center, directly onto the bus, like a circuit breaker, providing surge protective elements for the entire panel and all attached loads.

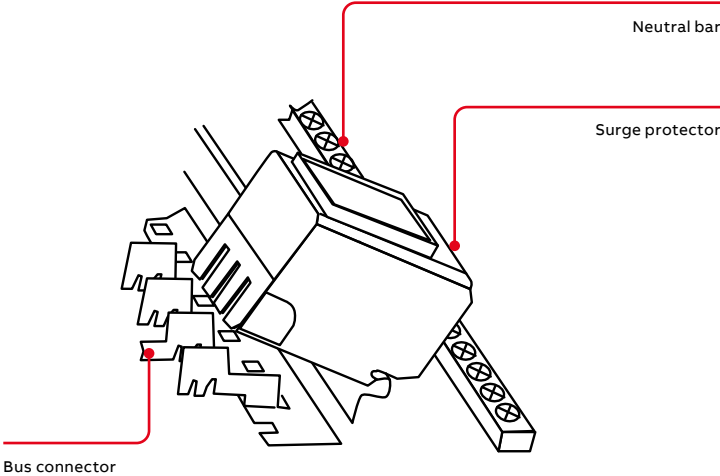


Catalog number	Per phase surge current rating (kA)	System voltage 50/60 Hz	Connection type	Nominal discharge current (In)	Configuration	UL 1449 5th edition voltage protection rating (VPR)				Connected equipment warranty coverage
						L-N	N-G	L-G	L-L	
THQLSURGE2	25	120/240 V	Pigtail	10	1 ph 3 wire	600 V	—	—	1000 V	3 years up to \$25K
THQLSURGE5	50		Pigtail	20						5 years up to \$50K
THQLSURGEP5	50		PON							5 years up to \$75K
THQLSURGE7	75		Pigtail							
THQLSURGEP7	75		PON							

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01 Pigtail configuration



02 PON (plug-on-neutral) configuration

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new.abb.com/ca/residential-spd

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