

# Circuit Breaker and Surge Protective Device (SPD)

The Murray circuit breaker and Surge Protective Device (SPD) is comprised of a highly effective TVSS integrated with (2) 1-pole circuit breakers. This device incorporates the robust features of a secondary circuit breaker surge arrester with a lower clamping voltage ratings.

Two green LED indicator lights are provided to show that surge protection is provided for all circuits connected to the panelboard. As a Murray exclusive feature, the device notifies the owner of loss of surge protection by tripping one or both of the circuit breakers.

The circuit breaker and SPD utilize Murray-built 150V AC, 40mm, metal oxide varistors (MOVs). The maximum impulse rating for the SPD module is 40kA. The standard interrupting rating for the circuit breakers is 10k AIC. The circuit breakers are SWD and HACR rated.

All Type MSA circuit breakers and SPD are plug-on style, with load terminals provided. The devices are rated for 120/240V AC and are calibrated for 40 degrees C maximum ambient applications.



## Features

<b>15 Amp 20 Amp</b>	<b>Catalog number</b> MSA1515SPD MSA2020SPD
<b>Amperage</b>	15 or 20 Amp
<b>Number of poles</b>	(2) 1-Pole circuit breakers
<b>Initial clamping level</b>	240 Volts
<b>Transient energy rating</b>	360 Joules, line-to-neutral 720 Joules, line-to-line
<b>Transient suppression</b>	500 Volts peak, line-to-neutral
<b>Voltage rating</b>	1000 Volts peak, line-to-line
<b>Peak current rating (impulse)</b>	40,000 amperes
<b>Discharge voltage characteristic</b>	@ 1,500A, 600 Volts, line-to-neutral @ 5,000A, 800 Volts, line-to-neutral
<b>Discharge current withstand rating</b>	10,000 amperes, line-to-neutral
<b>Circuit breaker interrupting rating</b>	10,000A, 120/240V AC
<b>House wiring system warranty amount</b>	\$20,000
<b>Warranty period</b>	24 months
<b>Listings/certifications</b>	UL, CSA, Meets UL 1449 3rd edition

## Data Sheet

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