

Circuit Breaker and Surge Protective Device (SPD)

The Siemens 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.

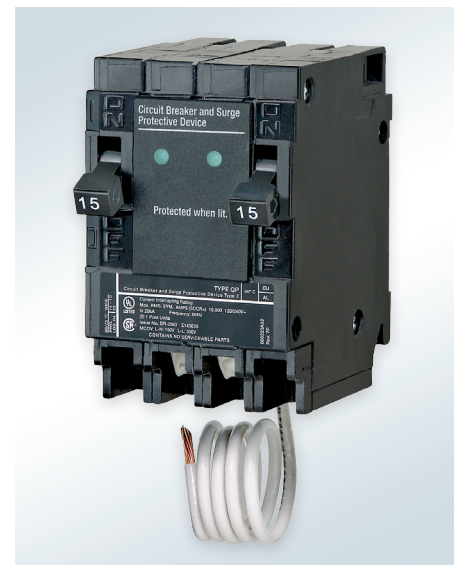
Two green LED indicator lights are provided to show that surge protection is provided for all circuits connected to the panelboard. As a Siemens exclusive feature, the device notifies the owner of loss of surge protection by tripping one or both of the circuit breakers.

The circuit breaker and SPD utilize Siemens-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 QP 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°C maximum ambient applications.

Features

15 Amp 20 Amp	Catalog number QSA1515SPD QSA2020SPD
Amperage	15 or 20 Amp
Number of poles	(2) 1-Pole circuit breakers
Initial clamping level	240 Volts
Transient energy rating	360 Joules, line-to-neutral 720 Joules, line-to-line
Transient suppression	500 Volts peak, line-to-neutral
Voltage rating	1000 Volts peak, line-to-line
Peak current rating (impulse)	40,000 amperes
Discharge voltage characteristic	@ 1,500A, 600 Volts, line-to-neutral @ 5,000A, 800 Volts, line-to-neutral
Discharge current withstand rating	10,000 amperes, line-to-neutral
Circuit breaker interrupting rating	10,000A, 120/240V AC
House wiring system warranty amount	\$20,000
Warranty period	24 months
Listings/certifications	UL, CSA, Meets UL 1449 3rd edition



**Published by
Siemens 2018**

Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

Siemens Technical Support: 1-800-333-7421
info.us@siemens.com

Order No. RPFL-SURGE-0418-CP

Printed in USA
All Rights Reserved
© 2018, Siemens Industry, Inc.
usa.siemens.com/surge

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer's particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.