



E492946



C61328309

**HIGHEST  
SCCR**  
**SHORT-CIRCUIT  
RATING**

## Why Is SCCR Important?

An SCCR (Short Circuit Current Rating ) represents the highest short-circuit fault current that equipment such as industrial control panels can safely withstand. So, exceeding the SCCR may cause catastrophic and violent equipment and component failure.

In general, the SCCR rating for an electrical panel is based on understanding each electrical component's SCCR rating in that panel. SCCR has become an increasingly important topic regarding the installation of industrial machinery and electrical panels at customer facilities.

# Thermally Protected Surge Protection Device

**#TPSPD**

The **5-2-1® Thermally Protected Surge Protection Device** is designed to shield and protect valuable appliances and equipment from damaging electrical surges produced by electrical strikes and other power line transients, with the latest in thermally-protected metal oxide varistor (MOV) technology.

## The 5-2-1 TPSPD Protects:

- A/C units and ductless systems
- Furnaces and heat pumps
- High-end appliances
- Home networks and computing
- Motors and more

## 5-2-1 offers the highest SCCR rating in the industry

The **5-2-1® Thermally Protected Surge Protection Device** offers superior protection and reliability with the highest SCCR rating for the maximum short-circuit current an electrical component can safely withstand without causing a shock or fire hazard.

### Features and benefits:

- Safest surge protection device in its class
- UL verified SCCR (Short Circuit Current Rating) ratings of 200kA
- The 5-2-1® Thermally Protected Surge Protection Device can withstand higher surge currents than our competition without failing
- Built using state-of-the-art patented thermally protected metal oxide varistor technology
- Leading competitor uses a one spring mechanism that is flimsy and can get jammed easily
- Type 1 or Type 2 device and side orientation of the conduit enables easy installation to the disconnect

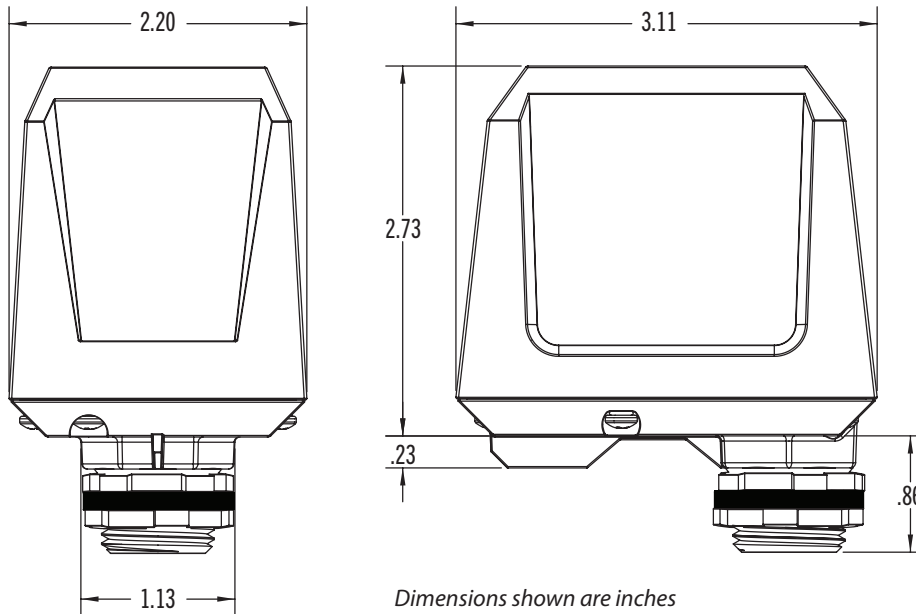


#### Specifications:

<b>Maximum Surge Current:</b>	100,000 Amps
<b>Service Voltage (VAC):</b>	120/240 (Single - Split Phase), 50 or 60 Hz
<b>Short Circuit Rating (SCCR):</b>	200kA
<b>Nominal Discharge Current Rating:</b>	20kA
<b>Maximum Continuous Operating Voltage (MCOV):</b>	150VAC L-N 300VAC L-L
<b>Voltage Protection Rating (VPR):</b>	800VAC L-N/G 1200VAC L-L
<b>Operating Temperature:</b>	14 °F (-10 °C) to 122°F (50 °C)
<b>Approvals:</b>	UL 1449 4th Edition, ANSI, cUL
<b>Packaging:</b>	Clamshell with color insert card (wiring diagrams on reverse)
<b>Warranty:</b>	3 year Product Warranty and Connected Equipment Warranty up to \$10,000 *

\* Must register online at [www.cpsproducts.com](http://www.cpsproducts.com) or [www.five-two-one.com](http://www.five-two-one.com) for eligibility.

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#### Surge Protection Highlights:

- Patented thermally protected MOV (metal oxide varistor)
- Type 1 or 2 installations:
  - » A/C disconnect
  - » Junction box
  - » Electrical box
- NEMA Type 4X enclosure:
  - » Outdoor / Indoor use
- Diagnostic indicator:
  - » Green LED (ON) - Device active
  - » Green LED (OFF) - Replace device

#### Packaging:

Packaging Type		Pkg Size H x W x D Inches (cm)	Units Per Pkg	UPC #	Product & Packaging Weight, lb (kg)
Individual package	Clamshell With Insert Card	8.1 x 5.6 x 2.6 (20.5 x 16.7 x 6.6 cm)	1	750377116452	0.68 (.30 kg)
Shipping box	Corrugated Box	26 x 17 x 10 (66 x 43 x 25 cm)	20	—	14.6 (6.62 kg)