



The Rustrol® Cathodic Isolator®, Solid State Surge Protector, Model: SSP effectively blocks the DC current needed for cathodic protection, while simultaneously providing an effective AC continuity grounding path for:

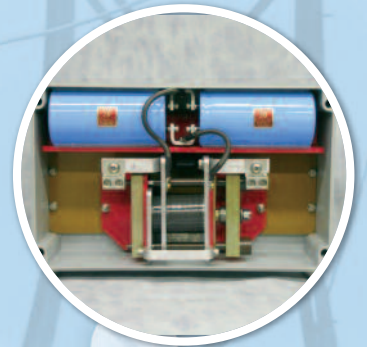
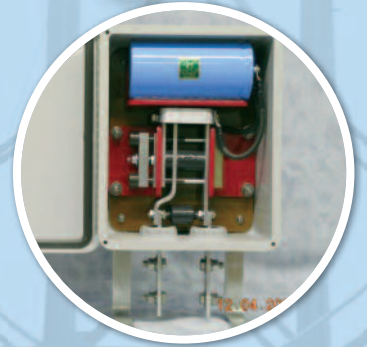
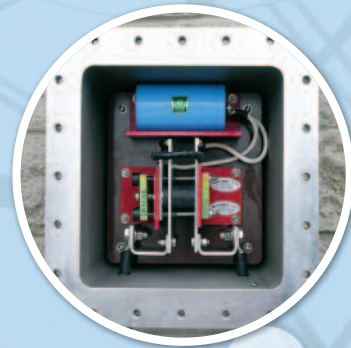
- AC Fault Currents
- Lightning Protection
- Mitigation of Induced AC Voltages
- Power Switching Surge Currents



- Non-Electrolytic
- High Blocking DC Voltage
- Fail Safe
- Maintenance-Free



Email: Contact@Rustrol.com
Central Fax: 905-333-4313



The Rustrol® Cathodic Isolator® Solid-State Surge Protector Model: SSP is entirely electronic/electrical construction throughout, similar to the Model: CI. The Cathodic Isolator® Model: SSP remains the preferred product choice by “End-Users” for cathodic protection applications whereby the need to block the protective DC current at the isolating assembly (*flange/monolithic joint*) remains crucial; maintaining a safe and effective electrical grounding path is paramount. The Cathodic Isolator® Model: SSP maintains safety standards for effective grounding within International Codes, including criteria set forth within the National Electrical Code (NEC) and Canadian Standards Association (CSA).

The Rustrol® Cathodic Isolator®, Model: SSP-ATEX is CE listed, ATEX/IECEX certified under the European Directive 94/9/EC and the IECEX Scheme for equipment intended for use in Gas and Dust Explosive Atmospheres, in accordance to IEC and EN Standards.

The IECEX Certificate of the Rustrol® Cathodic Isolator®, Model: SSP-ATEX is accepted by Certification Bodies in twenty-nine (29) IECEX member countries including the European Community, Australia, Brazil, Canada, China, India, Japan, Korea, Russia, United Kingdom, USA, and many other leading countries.

In addition, the Rustrol® Cathodic Isolator®, Model: SSP-ETL is bearing the cETLus Listed Mark for use in Class 1, Division 2, Groups A, B, C & D Hazardous (*Classified*) Locations; in compliance with the latest North American Safety Standards (*ANSI, ISA and CSA*).

The Rustrol® Cathodic Isolator®, Model: SSP can be manufactured either to European/International Standards, Model: SSP-ATEX, or North American Standards, Model: SSP-ETL, and certified accordingly. The “End-User” must select one (1) criteria for Product Certification.

*All Models of the Rustrol® Cathodic Isolator® Solid-State Surge Protector are available mounted within Underwriters Laboratories Classified Enclosures, File No. E81696 (FTRV), & (FTRV7).

Model: SSP SELECTION GUIDE

Cathodic Isolator® - Solid State Surge Protector - Model: SSP

Standard assembly is installed in a performance test rated NEMA 4X enclosure, complete with access cover and cable termination fittings.

AC Fault Current Exposure - 1 cycle @ 60 Hz rms: *(1 cycle @ 50 Hz rms, per drawing No. SSP-00)*

<input checked="" type="checkbox"/> 7 kA	<input type="checkbox"/> 20 kA	<input type="checkbox"/> 70 kA
<input type="checkbox"/> 10 kA	<input type="checkbox"/> 35 kA	
<input type="checkbox"/> 15 kA	<input type="checkbox"/> 50 kA	

(Refer to Drawing No. SSP-00 for detailed specifications @ 1, 3, 10 & 30 cycle. 50 or 60 Hz rms: visit web site)

Surge/Lightning Protection:
 Standard assembly, peak surge current @ 8/20 μ sec. waveform
 Primary @ 100,000 Amperes

DC Voltage Threshold @ 3 volts
 Standard assembly @ -3.0/+1.0 volts DC
Optional Voltage Threshold Settings Available (i.e. -6/+6, -4/+4, -4/+2, -6/+1 volts DC or other)

Mitigation of Induced AC-Steady State @ 50 or 60 Hz rms
 Selection range 0-100 Amperes, as specified by the customer.

<input type="checkbox"/> 12 amps	<input type="checkbox"/> 36 amps	<input type="checkbox"/> 75 amps
<input type="checkbox"/> 24 amps	<input checked="" type="checkbox"/> 48 amps	<input type="checkbox"/> 100 amps

Optional (as specified by the customer):

- ATEX/IECEX Certified
- cETLus Certified
- Submersible enclosure (NEMA 6P/IP68 certified)
- Free-Standing Fibreglass Pedestal Mount
- Special finishes (specify)

SSP – 07 – SL – 03 – A48 – specify

(Typical ordering code)

Interprovincial Corrosion Control Company Limited
Burlington, Ontario, Canada

International Corrosion Control Inc.
Lewiston, New York, USA

TEL: 1-905-634-7751



FAX: 1-905-333-4313

www.Rustrol.com

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