



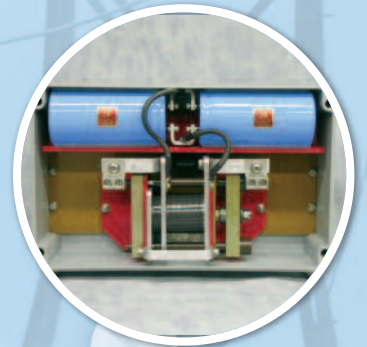
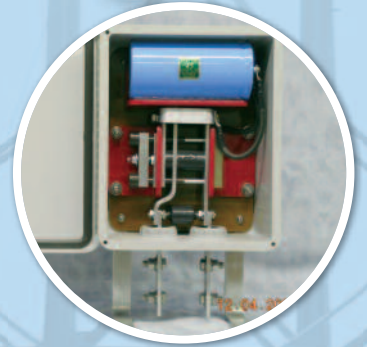
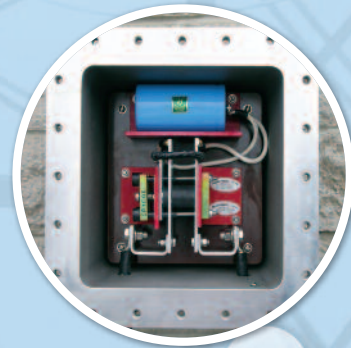
The Rustrol® Cathodic Isolator®, Solid State Surge Protector, Model: SSP effectively blocks the DC current needed for cathodic protection, while simultaneously providing an effective AC continuity grounding path for:

- 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/UKEX certified under the European Directive 2014/34/EU, IECEX Scheme, and UKSI 2016:1107 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 thirty-six (36) 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-ATEX is cQPSus certified & Model: SSP-ETL bears 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*).

*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 moulded Non-Metallic enclosure, suitable for indoor/outdoor applications (<i>IP67 Certified; Equivalent to NEMA 4, 4X, 6P</i>), complete with access cover and cable termination fittings.	
AC Fault Current Exposure - 1 cycle @ 60 Hz rms: (<i>1 cycle @ 50 Hz rms, Refer to Drawing No. SSP-00</i>)	
<input checked="" type="checkbox"/> 7 kA	<input type="checkbox"/> 20 kA
<input type="checkbox"/> 10 kA	<input type="checkbox"/> 35 kA
<input type="checkbox"/> 15 kA	<input type="checkbox"/> 50 kA
<i>(Refer to Drawing No. SSP-00 for detailed specifications @ 1, 3, 10 & 30 cycle. 50 or 60 Hz rms: visit website)</i>	
Surge/Lightning Protection:	
Standard assembly, peak surge current rating	
<input checked="" type="checkbox"/> Primary @ 150kA @ 4/10 μs • 100kA @ 8/20 μs • 100kA @ 10/350 μs	
DC Voltage Threshold: (<i>Up to ±20.0 volts DC</i>)	
Standard assembly @ -3.0/+1.0 volts DC	
<i>Optional Voltage Threshold Settings Available (i.e. -20/+20, -6/+6, -4/+2, -6/+1 volts DC or other)</i>	
Mitigation of Induced AC-Steady State: (<i>@ 50 or 60 Hz rms</i>)	
Selection range 0-100 Amperes, as specified by the customer.	
<input type="checkbox"/> 12 amps	<input type="checkbox"/> 36 amps
<input type="checkbox"/> 24 amps	<input checked="" type="checkbox"/> 48 amps
	<input type="checkbox"/> 75 amps
	<input type="checkbox"/> 100 amps
Optional: (<i>As Specified by the Customer</i>)	
<input type="checkbox"/>	ATEX/IECEX/UKEX Certified
<input type="checkbox"/>	cETLus Certified
<input type="checkbox"/>	cQPSus Certified
<input type="checkbox"/>	KCS Certified
<input type="checkbox"/>	Cable Termination - Standard - Internal
	- Optional - External
<input type="checkbox"/>	Submersible Enclosure (<i>NEMA 6P/P68 certified</i>)
<input type="checkbox"/>	Free-Standing Fibreglass Pedestal Mount
<input type="checkbox"/>	Special finishes (<i>specify</i>)
DCD - 02.5 - SL - 03 - A48 - specify	
<i>(Typical Ordering Code)</i>	

Interprovincial Corrosion Control Company Limited
Burlington, Ontario, Canada

International Corrosion Control Inc.
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SSP Brochure, Revision 8, Apr. 25, 2024