





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













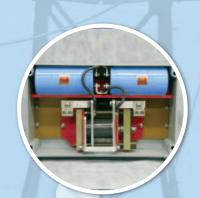


- ☑ Non-Electrolytic
- High Blocking DC Voltage

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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 2014/34/EU 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 thirty-three (33) 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 moulded Non-Metallic enclosure, suitable for indoor/outdoor applications (IP67 Certified; Equivalent to NEMA 4, 4X, 6P), complete with access cover and cable termination fittings.	
AC Fault Curren ✓ 7 k	Exposure - 1 cycle @ 60 Hz rms: (1 cycle @ 50 Hz rms, Refer to Drawing No. SSP-00) A
□ 10 k □ 15 k	
Surge/Lightning Protection: Standard assembly, peak surge current @ 8/20 µsec. waveform Primary @ 100,000 Amperes	
DC Voltage Threshold: $(Up \ to \pm 20.0 \ volts \ DC)$ Standard assembly @ -3.0/+1.0 volts DC Optional Voltage Threshold Settings Available (i.e20/+20, -6/+6, -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. □ 12 amps □ 36 amps □ 75 amps □ 24 amps □ 48 amps □ 100 amps
	Optional (As Specified by the Customer): ATEX/IECEx Certified CETLus Certified Cable Termination - Standard - Internal - Optional - External Submersible enclosure (NEMA 6P/IP68 certified)
SSP - 07 - SL - 03 (Typical Ora	' Chaoial finished ():()

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