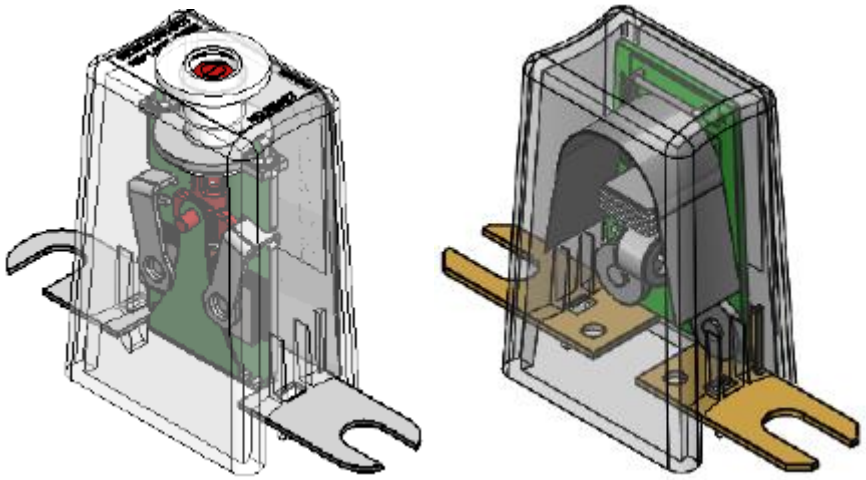
TRACK AND SIGNAL SURGE PROTECTION
SXRR SERIES SPECIFICATIONS

Railroad Signaling Systems Protector



Models SXRR-50DD-S and SXRR-50DGT-S

Introduction

The SXRR series from Siemens provides advanced high speed, high current silicon surge protection for railroad circuits. Designed for standard AAR terminals the SXRR is field tested and proven to increase railroad signaling systems performance, decrease maintenance costs and improve profitability.

Features and Benefits

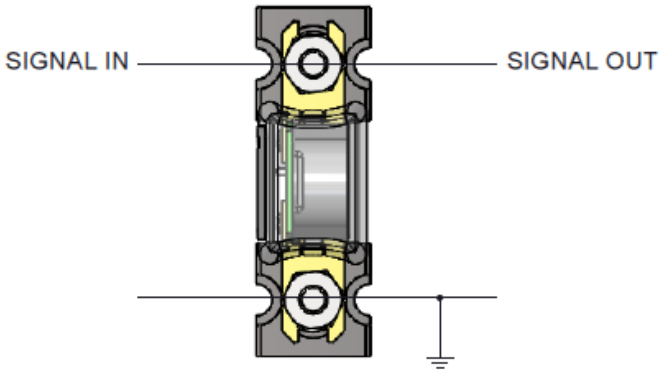
- Very low Voltage Protection Levels, even at very high surge currents
- Meets AREMA guidelines for primary surge protection
- Compact AAR terminal Installation
- Fusing for safe-fail in case of self-sacrifice
- Status Indication
- Bidirectional Devices

Specifications

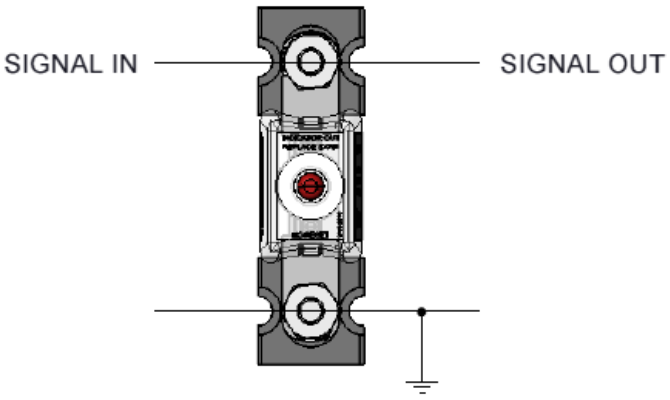
Part Number	**SXRR-50DD-S**	**SXRR-50DGT-S**
Description	SXRR Dual Diode	SXRR Hybrid
Electrical		
Surge Protection Technology	Silicon (SASD) with thermal fuse disconnect	Hybrid Silicon and Gas Discharge Tube (SASD & GDT)
Nominal Operating Voltage	50V DC	
Maximum Continuous Operating Voltage	55V DC	
Voltage Protection Level @ 3kA 8/20µs	140V @ 3kA 8/20µs	195V @ 3kA 8/20µs
Voltage Protection Level @ 20kA 8/20µs	340V @ 20kA 8/20µs	435V @ 20kA 8/20µs
Leakage Current Maximum (25°C)	40µA @ 50V DC	10µA @ 50V DC
Status Indication	Spring release indicator	Paper indicator
Bidirectional	Yes	
Mechanical		
Weight	0.06 lb	
Dimensions	2.86” x 0.95” x 2.17”	2.83” x 0.95” x 2.10”
Environmental		
Location	Indoor	
Operating Temperature	-40°C to +75°C	
Installation		
Mounting (1/4 inch stud)	AAR Rail Terminal Block	
Regulatory		
AREMA	Meets AREMA guidelines for primary surge protection	
UL	Flame Rating 94-VO	

Installation and Grounding

Attach either lead to signal line, attach remaining lead to ground or return reference.

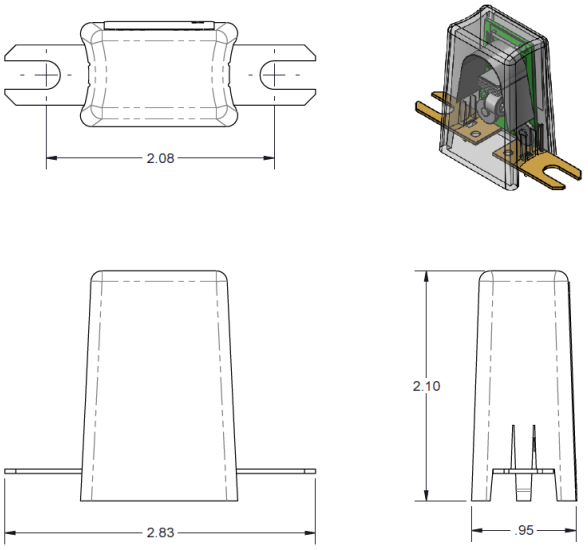


SXRR-50DGT-S

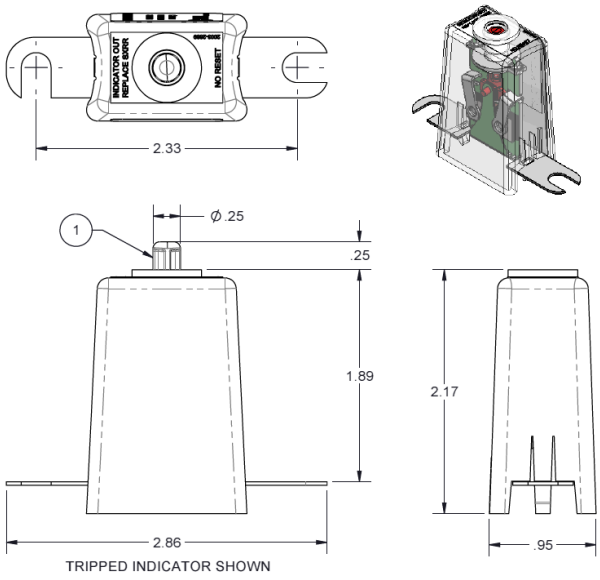


SXRR-50DD-S

Dimensions



SXRR-50DGT-S



SXRR-50DD-S