

MAXIMUM CHARACTERISTICS

Application:

High performance dual stack SASD primary railroad equipment protector with status indicator.
The SXRR 50-DD Positive Indication Protector incorporates a thermal disconnect mechanism which opens during high energy fault conditions removing the protector from the circuit. The visible indicator is non-resetable and provides accurate easy to use troubleshooting.

Electrical Performance:

Arrester Class: Primary

Technology: SASD with thermal fuse disconnect

Visual Indication: ① Spring released indicator if suppressor becomes inoperative

Nominal Operating Voltage U_n : 50 Vdc

Maximum Continuous Operating Voltage U_c : 55 Vdc

Leakage Current at U_n : Maximum 20 μ A @ 50 Vdc

Nominal Discharge Surge Current: 20 kA

Max Discharge Surge Current: 25 kA 8/20 μ s

Voltage Protection Level: 78 V @ 500A/1 kV 8/20 μ s

130 V @ 10 kA 8/20 μ s

180 V @ 20 kA 8/20 μ s

Capacitance: Maximum 0.1 μ f @ 50

SASD breakdown voltage: 65 Vdc \pm 2 Vdc

Mechanical:

Location: Indoor only

Mounting: AAR Rail Terminal Block

Dimensions: 2.83" X 1.00" X 2.50"

Weight: 0.3 lb

Environmental:

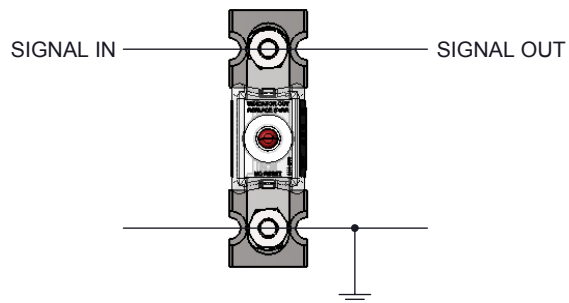
Operating temperature: - 40° to + 85° C

Housing flammability rating: UL 94 V-O

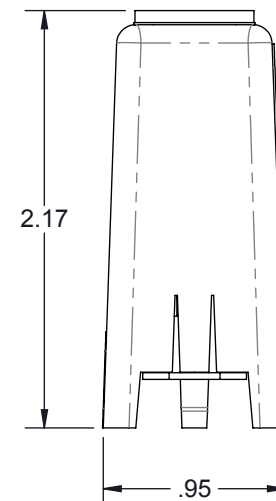
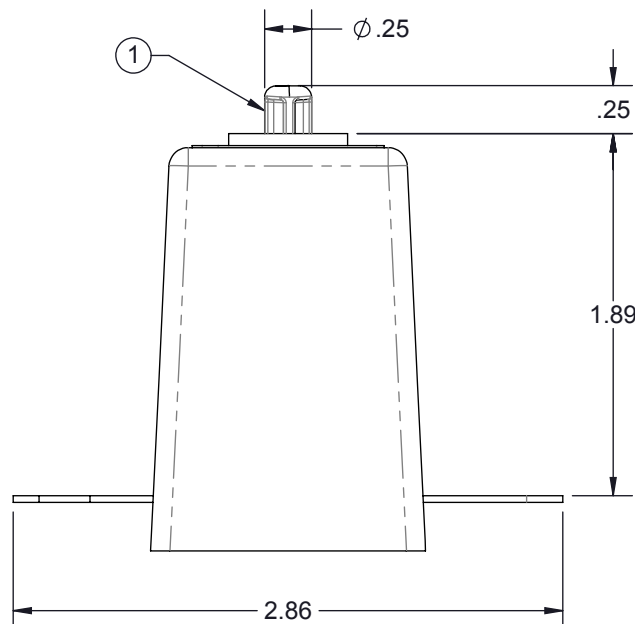
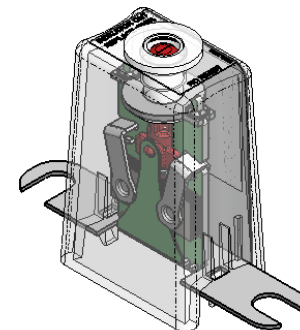
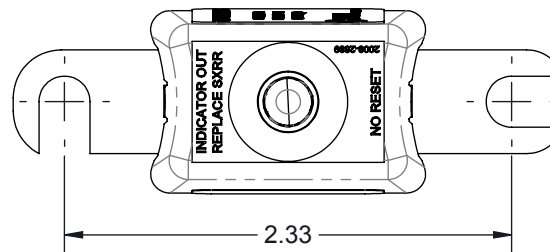
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INSTALL NOTES:

1. INSTALL PER AAR TERMINATION REQUIREMENTS.
2. BI-DIRECTIONAL DEVICE:
ATTACH ONE LEAD TO SIGNAL LINE, ATTACH REMAINING LEAD TO GROUND OR RETURN REFERENCE.



REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
B	REFER TO ECN	10799	6/29/12	MPD



TRIPPED INDICATOR SHOWN

CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

<small>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS</small> <small>TOLERANCES: FRACTIONS=± 1/32 .XX=± .02 ANGLES=± 1° .XXX=± .020</small> <small>NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSTECTOR SYSTEMS. ALL RIGHTS RESERVED.</small> <small>THIRD-ANGLE PROJECTION</small>	DRAWN DAW	DATE 5/19/11			SHEET 1 OF 1
	ENG APPD MPD	4/20/12			SCALE 1:1
	PRODUCT MGR MTH	4/30/12			
	MARKETING APPD LJ	5/1/12			
PROJECT NO. DD62278			TITLE SXRR 50-DD POSITIVE INDICATION PROTECTION		
PART NUMBER 1101-1105			SIZE A	CAGE 30992	PROD CAT DCT
			DOCUMENT NAME 1101-1105-C		REV B

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