

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
B	REFER TO ECN	12983	12/1/14	KAD

**MAXIMUM CHARACTERISTICS**

**APPLICATION:**

Type 2 AC surge protection device with replaceable module offers bidirectional silicon avalanche suppression diode technology and is typically installed to protect 120Vac power supplies from over-voltage caused by transients. Equipped with visual status indication and electrically isolated "Form C" dry contacts to allow remote monitoring.

**ELECTRICAL:**

Number of Ports: Single port device (L-N)  
 Technology: SASD  
 Nominal Operating Voltage Un: 120Vac  
 Maximum Continuous Operating Voltage (MCOV): 150Vac  
 Nominal Discharge Surge Current In: 5kA  
 Max Discharge Surge Current I<sub>max</sub>(8/20μs): 10kA  
 Voltage Protection Level(VPR): ≤ 500 V  
 Short Circuit Current Rating(SCCR): 22kA  
 Leakage Current: <10μA  
 Response Time: < 5ns  
 Status Monitoring: Visual Indication; Black = Normal, Red = Replace  
 Contact Switch = NC, COM, NO  
 Contact Rating (Max Switching Current): 1A, 125 Vac

**Testing:**

6kV/3kA Combination Wave: VPR: 500V

**MECHANICAL:**

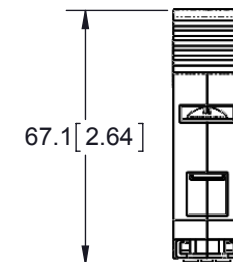
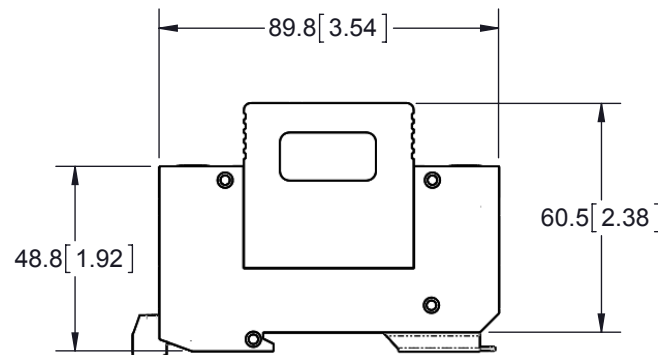
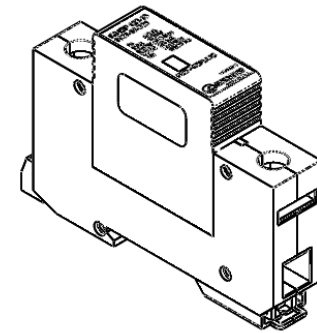
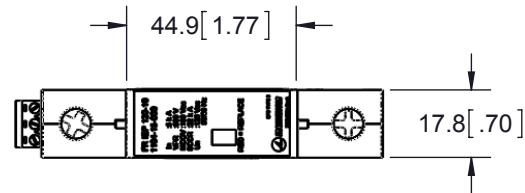
Location: Indoor only  
 Mounting: Fixed 35 mm DIN rail  
 Dimensions (HxWxD): 90mm x 18mm x 67mm (3.54" x .70" x 2.66")  
 Weight: 0.33 kg (0.74 lb)  
 Maximum Wire Size: 16mm<sup>2</sup>(stranded)-25mm<sup>2</sup>(solid) (4-6AWG)  
 Stripping Length Terminals: 10mm (0.375")  
 Torque Terminals: 4.5Nm (3.3 ft-lb)  
 Maximum Wire Size Contacts: 1.5mm<sup>2</sup> (16AWG)  
 Stripping Length Contacts: 6-7mm (0.25")  
 Torque Contacts: 1Nm (0.75 ft-lb)

**ENVIRONMENTAL:**

Operating Temperature: -40° to +70°C  
 Relative Humidity: ≤ 95% non condensing  
 Enclosure IP code (IEC EN 60529): IP20  
 Housing Inflammability Rating: FRNC-UL94 V-0

**APPROVALS:**

UL 1449 3rd Edition, Type 2 Component Assembly VZCA2, VZCA8  
 RoHS Compliant  
 Hazardous Location Certifications: ETL Class I Div 2, Class I Zone 2



ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

<small>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE MILLIMETERS DIMENSIONS IN [ ] ARE INCHES</small> <b>TOLERANCES:</b> FRACTIONS=± 1/32 .XX=± .25 ANGLES=± 1° .XXX=± .	DRAWN <b>IDA GUO</b>	DATE 2/22/11		SHEET <b>1 OF 1</b>		
	ENG APPD <b>DLR</b>	7/12/11		SCALE <b>1:2</b>		
	PRODUCT MGR <b>MTH</b>	7/12/11		TITLE <b>I2R IEP 120-10</b> <small>CUSTOMER SPECIFICATION</small>		
	MARKETING APPD <b>LJ</b>	6/17/11		PROJECT NO. <b>DD55417</b>		
<small>THIRD-ANGLE PROJECTION</small> 	DOCUMENT NAME <b>1104-15-000-C</b>	SIZE <b>A</b>	CAGE <b>30992</b>	PROD CAT <b>ACT</b>	PART NUMBER <b>1104-15-000</b>	REV <b>B</b>

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