

MAXIMUM CHARACTERISTICS

Application:

Railroad track surge suppressor with equalizer.
Signal pass-thru surge protection each rail to ground, equalizer protection rail to rail.
The I²R - DTA is ideal for lightning and induced surge protection of track monitoring circuits directly in bungalow and shelter applications.

Electrical Performance:

Nominal Operating Voltage U_n: 48 V_{DC}
Maximum Continuous Operating Voltage U_c: 60 V_{DC}
Nominal Discharge Surge Current I_n: 10 kA
Max Discharge Surge Current I_{max}(8/20μs): 20 kA
Voltage Protection Level (VPL): ≤ 375 V (8/20μs Combination Wave, 3 kA/6 kV)
Nominal Series Current Rating: 30A
Maximum Series Current Rating: 67 A
Cage Clamp Wire Connection (Stranded or Solid 24AWG to 6AWG)
Remove Item 1 Each Side to Disconnect Signal Circuit for Service Testing
Each Circuit can be Disconnected Independently.
Replaceable Surge Module With No Signal Interruption
Remote Alarm Annunciation Dry Contact (NC-C)
Ground Path Thru Copper DIN Rail or External Ground Buss
Test Point Access Each Side of Base (Test Probe or Alligator Clip)
Module Status Indicator Window (Functional: Green, Non-Functional: Red)
Contact Rating (Max Switching Current): 1 A, 125 Vac, 30 Vdc

Mechanical:

Location: Indoor protected from direct moisture
Mounting: 35mm DIN rail
Dimensions: 5.31" x 1.42" x 3.81"
Weight: 3.1 lbs
Maximum Dry Contact Wire Size: 16 AWG
Strip Length Contact Wire: 0.25"
Torque Contact Terminal Screws: 0.25 ft-lbs

Environmental:

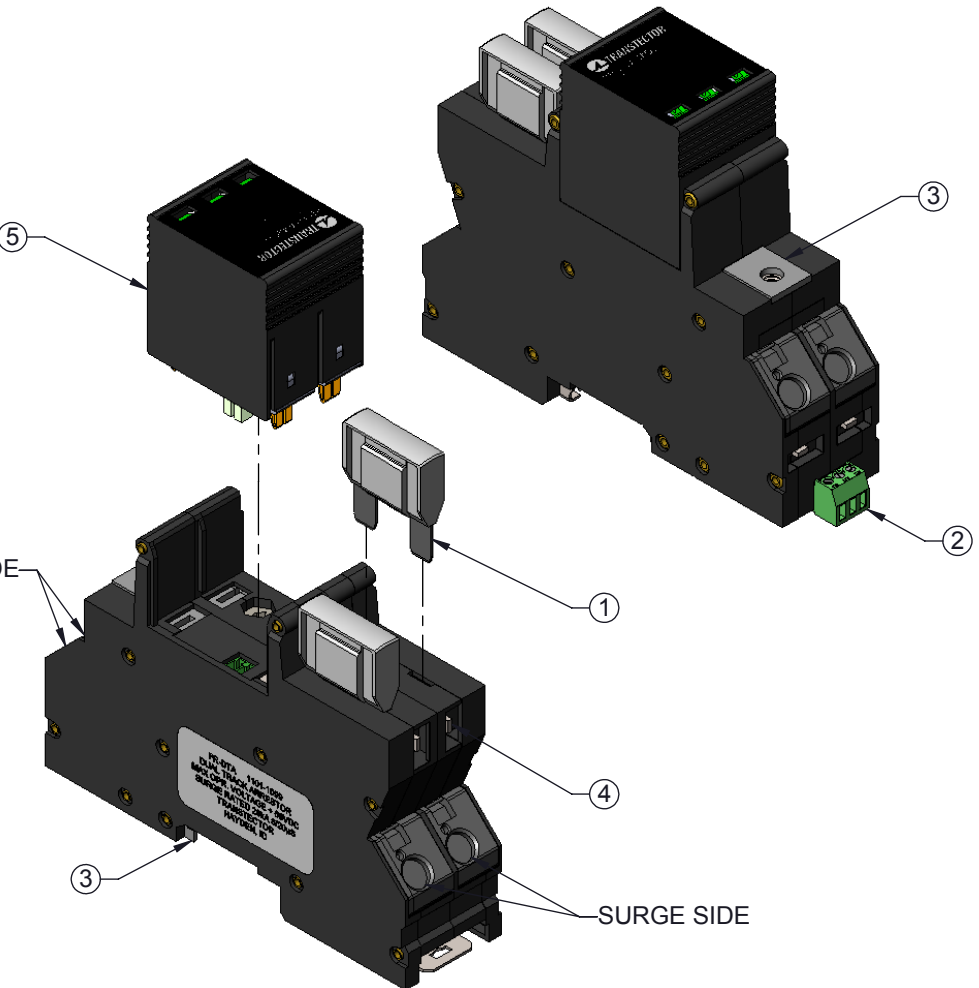
Operating temperature: -40°C to +85°C
Relative Humidity: < 95% non-condensing

Replaceable Module PN - 1104-16-100
Replaceable Fuse (Item #1) PN - 3600-105

PROTECTED SIDE



SURGE SIDE

REVISIONS				
REV.	DESCRIPTION	ECN	DATE	APPROVED
B	REFER TO ECN	11878	7/26/13	MPD



CUSTOMER APPROVAL: _____ DATE: _____

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

<div>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</div> <div>TOLERANCES: FRACTIONS=± 1/32 .XX=± .02 ANGLES=± 1° .XXX=± .005</div> <div>NOTICE: THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF TRANSECTOR SYSTEMS. ALL RIGHTS RESERVED.</div> <div>THIRD-ANGLE PROJECTION</div> <div></div>	DRAWN	DPM	DATE	<div></div>				SHEET		OF				
	ENG APPD	KCP	8/31/12					1		1				
	PRODUCT MGR	MLH	10/8/12	TITLE	<div>I²R - DTA</div> <div>DUAL TRACK ARRESTOR</div> <div>CUSTOMER SPECIFICATION</div>						SCALE		1:4	
	MARKETING APPD	LJ	10/9/12											
	PROJECT NO.	DD65960												
DOCUMENT NAME	1101-1099-C			SIZE	CAGE	PROD CAT	PART NUMBER	REV						
				A	30992	DCT	1101-1099	B						