AC Surge Protector SPD I2R-75K DIN-Rail 400, 690 Vac 3-Phase Wye MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2

I2R-75KY690



Features

- UL1449 4th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- Replaceable Module I2R-75KR480
- Wire and Comb Busbar Wiring Terminals
- Reversible Chassis for Top or Bottom Wiring
- DIN-Rail Mount
- No External Backup Fuses Required

Applications

- Electrical Panelboards
- Industrial Automation
- Communications Base Stations
- IT & Data Centers
- Switchgear
- Motor Control Centers
- Automatic Transfer Switches
- Wastewater Treatment
- Oil & Gas
- LED Lighting
- Schools
- Hospitals
- Small Cells
- Intelligent Traffic Systems

Description

AC surge protector (also known as SPD or lightning protector) I2R-75KY690 from Transtector is a UL1449 4th Ed. Type 1/Type 2 DIN-Rail style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 400/690 Vac 3-Phase Wye electrical service. This surge protector provides effective protection against electrical transient surges that are generated both by external lightning events and by internal switching events and supports long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. Transtector AC surge protectors are available in stock with same day shipping.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Service Voltages		400/690		Vac
Service Type		3-Phase Wye		
Maximum Continuous Operating Voltage (MCOV)				
L - L			1,100	Vac
L - N			550	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
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Protection Modes	L-N, L-L		
8/20µs Surge Current		75	kA
Nominal Discharge Current Rating (In)	10		kA
VPR 8/20µs			
L - L		2,500	Vpk
L - N		1,500	Vpk
Response Time		25	ns
SCCR (Short Circuit Current Rating)	200		kAIC

Mechanical Specifications

Size

Height	2.76 in	[70.1 mm]
Width	4 in	[101.6 mm]
Depth	2.07 in	[52.58 mm]
Weight	1 lbs	[453.59 g]
Housing Material and Plating	PA66 CT1; V-0	

Environmental Specifications

Temperature Range (Operational)	-40 to +85 deg C
Temperature Range (Storage)	-40 to +85 deg C
Environmental Protection Rating	IP 20
Humidity	90% non-condensing

Installation

Mount Type	DIN Rail
Service Wiring Terminal	
Compression Lug	#4 to #14 AWG
Status Indication Terminal	
3-Position Screw Terminal	#16 to #22 AWG

Compliance Certifications

REACH Compliant	05/23/2018
RoHS Compliant	Yes
UL Compliant	Yes
Certifications	UL 1449 4th Ed. Type 1 and Type 2

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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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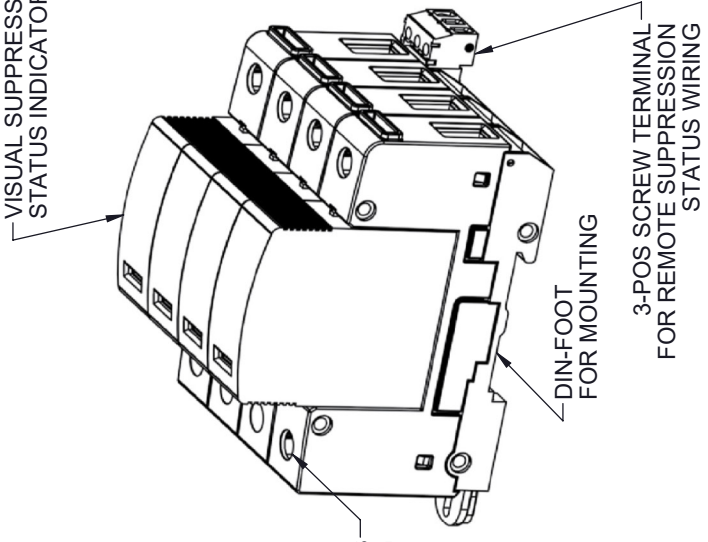
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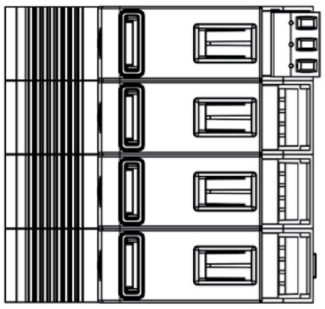
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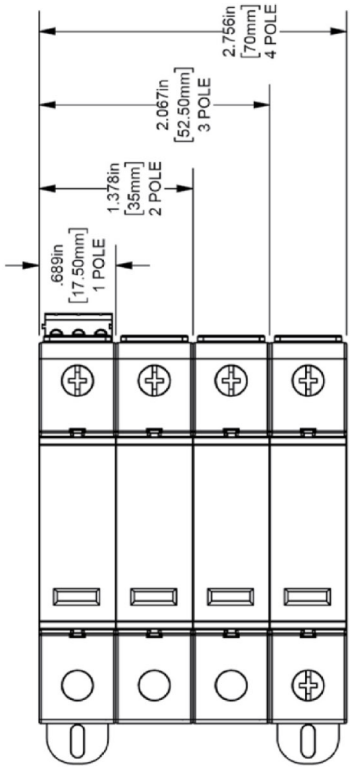
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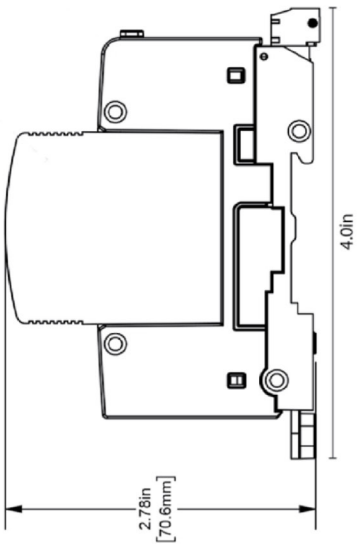
I2R-75KY690 CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	1/17/19	DWR









UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [ ] ARE MILLIMETERS
TOLERANCES:
.X=± .2 [5.08] | FRACTIONS ± 1/32
.XX=± .01 [.25] | ANGLES ± 1°
.XXX=± .005 [.13]
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	30992	HMB	I2R-75KY690	A

SHEET 1 OF 1
SCALE NTS

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T-Rev.A

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