

AC Surge Protector SPD I2R-75K DIN-Rail 277/480 Vac 3-Phase Wye + CM MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2, TAA



I2R-75KYG480

Features

- UL1449 4th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- Replaceable Modules I2R-75KR277 and I2R-75KR120 (N-G)
- 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-75KYG480 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 277/480 Vac 3-Phase Wye + CM 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		277/480		Vac
Service Type		3-Phase Wye + CM		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV)				
L - L			640	Vac
L - N			320	Vac
L - G			495	Vac
N - G			175	Vac

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[AC Surge Protector SPD I2R-75K DIN-Rail 277/480 Vac 3-Phase Wye + CM MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2, TAA I2R-75KYG480](#)

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Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-L, N-G		
8/20 μ s Surge Current			75	kA
Nominal Discharge Current Rating (In)		20		kA
VPR 8/20 μ s				
L - L			2,000	Vpk
L - N			1,000	Vpk
L - G			1,500	Vpk
N - G			600	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	2.76 in	[70.1 mm]
Weight	1.15 lbs	[521.63 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	95% 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

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Compliance Certifications

UL Compliant	Yes
TAA Compliant Certifications	Yes UL 1449 4th Ed. Type 1 and Type 2

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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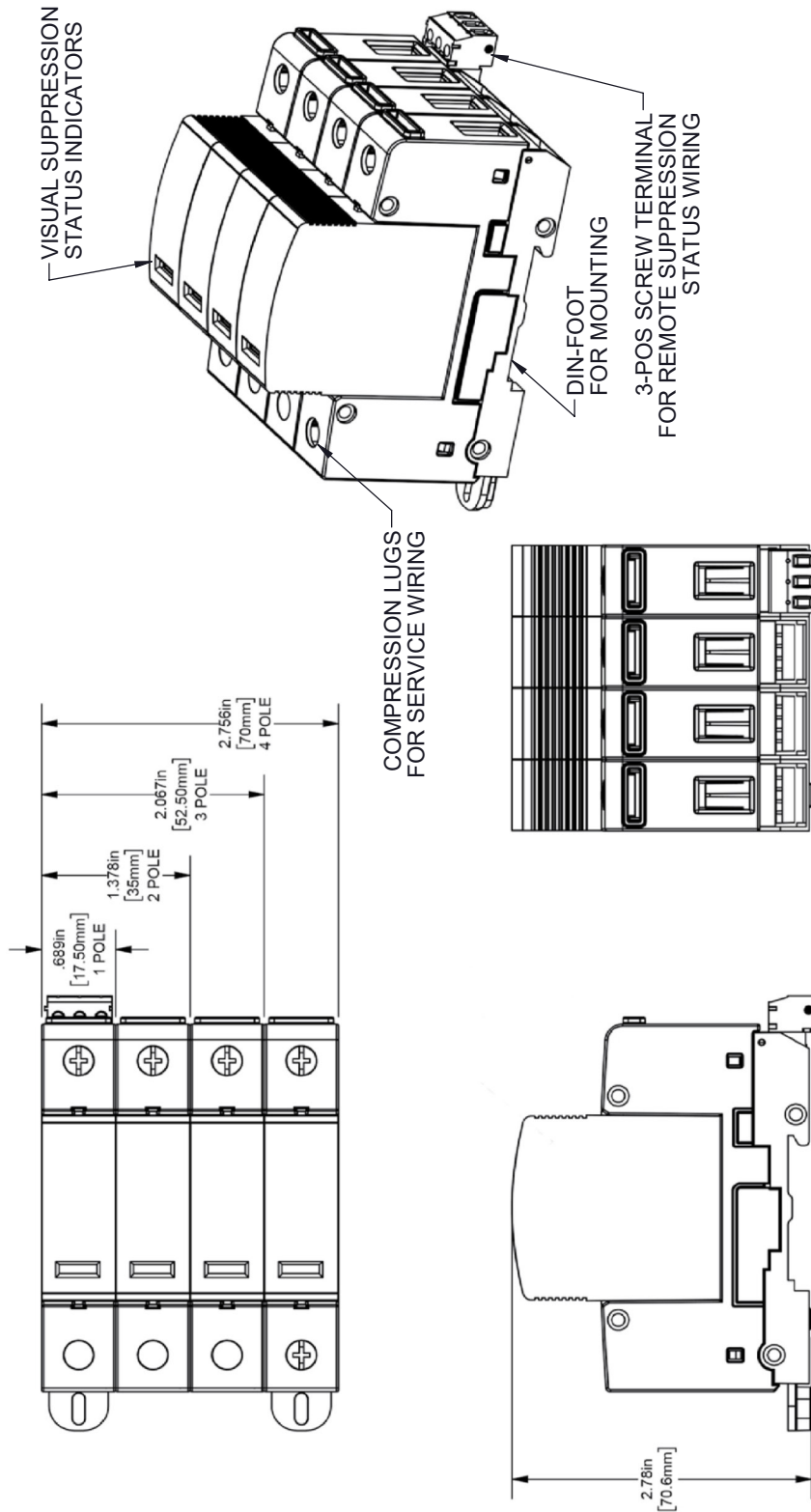
URL: <https://www.transtector.com/ac-surge-protector-spd-i2r-75k-din-i2r-75kyg480-p.aspx>

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I2R-75KYG480 CAD Drawing

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



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SIZE CAGE A 30992	DRAWN BY HMB	PART NUMBER I2R-75KYG480	REV A
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: .X±.2 [5.08] FRACTIONS .XX±.01 [.25] ±.1/32 XXX±.005 [.13] ANGLES ±1° ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. THIRD-ANGLE PROJECTION			

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