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



I2R-75KYG690

Features

- UL1449 4th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Visual Suppression Status Indicator
- Dry Contact Remote Annunciation Terminals
- Replaceable Modules I2R-75KR3480 and I2R-75KR277 (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-75KYG690 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 + 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		400/690		Vac
Service Type		3-Phase Wye + CM		
Maximum Continuous Operating Voltage (MCOV)				
L - L			1,100	Vac
L - N			550	Vac
L - G			870	Vac
N - G			320	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 400, 690 Vac 3-Phase Wye + CM MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2 I2R-75KYG690

I2R-75KYG690 REV 1.0 | © 2019 Transtector, Inc., All Rights Reserved.

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



I2R-75KYG690

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-N, L-L, N-G		
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
L - G			2,000	Vpk
N - G			800	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	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

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 400, 690 Vac 3-Phase Wye + CM MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2 I2R-75KYG690

I2R-75KYG690 REV 1.0 | © 2019 Transtector, Inc., All Rights Reserved.

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



I2R-75KYG690

Compliance Certifications

REACH Compliant	05/23/2018
RoHS Compliant	Yes
UL Compliant	Yes
Certifications	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.

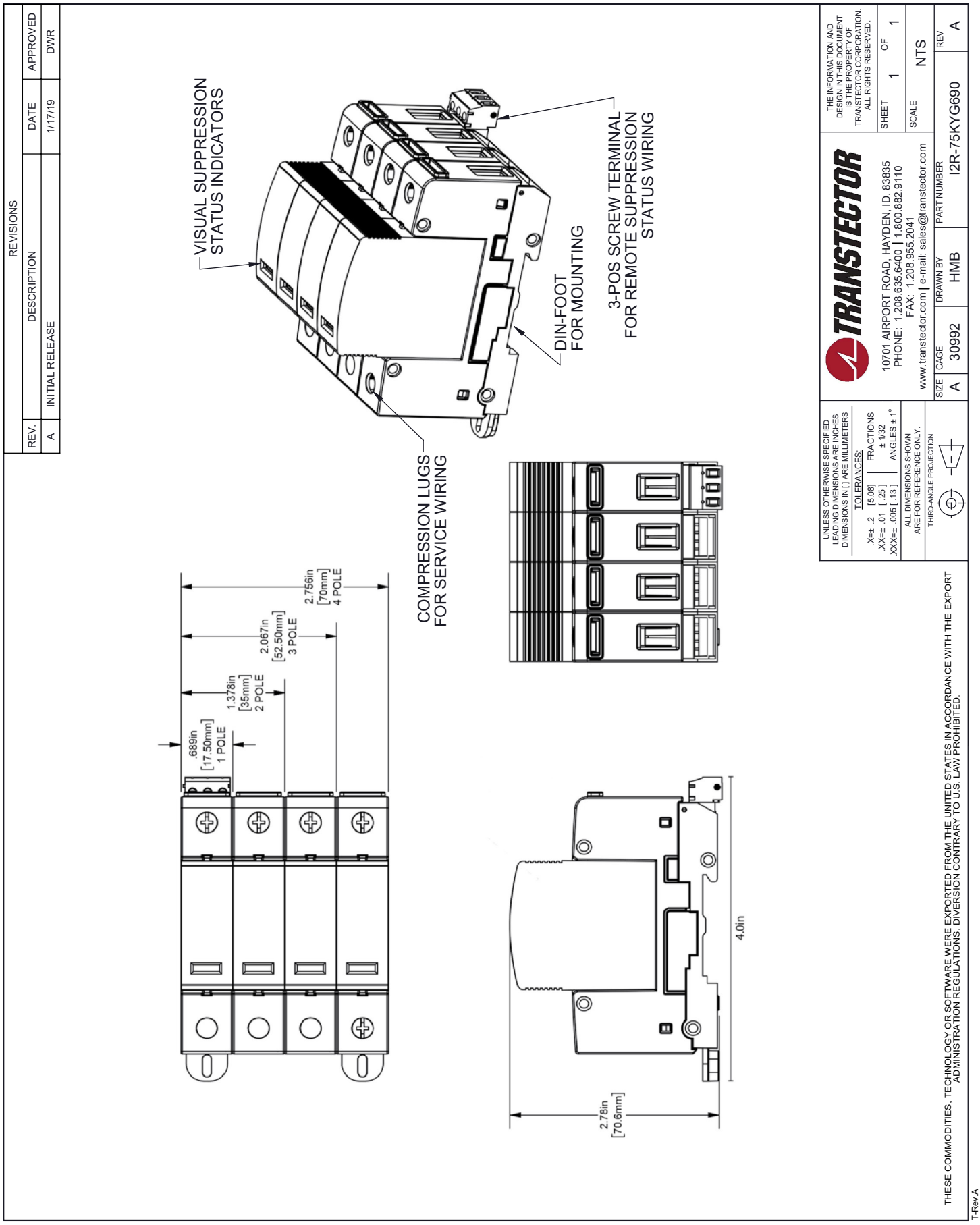
Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: AC Surge Protector SPD I2R-75K DIN-Rail 400, 690 Vac 3-Phase Wye + CM MOV 75 kA, UL 1449 4th Ed. Type 1 and Type 2 I2R-75KYG690

URL: https://www.transtector.com/ac-surge-protector-spd-i2r-75k-din-i2r-75kyg690-p.aspx

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

I2R-75KYG690 REV 1.0 | © 2019 Transtector, Inc., All Rights Reserved.

I2R-75KYG690 CAD Drawing



I2R-75KYG690 REV 1.0 | © 2019 Transtector, Inc., All Rights Reserved.