

AC Surge Protector SPD POWER VANTAGE
Panel 277/480 Vac 3-Phase Wye MOV 600 kA, UL
1449 5th Ed. Type 2, TAA with Disconnect Switch

B94-00-6740



LEA PV 600 277/480-3Y-D

Features

- UL1449 5th Ed. Type 1/Type 2
- High Capacity MOV Protection
- Suppression Status LEDs
- Surge Counter
- Audible Alarm
- Dry Contact Remote Annunciation Wire Leads
- Integral Disconnect Switch

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

Description

AC surge protector (also known as SPD or lightning protector) B94-00-6740 from Transtector is a UL1449 5th Ed. panel style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 277/480 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		277/480		Vac
Service Type		3-Phase Wye		
Frequency	50		60	Hz
Maximum Continuous Operating Voltage (MCOV) L - L			508	Vac
Maximum Continuous Operating Voltage (MCOV) L - N			293	Vac
Maximum Continuous Operating Voltage (MCOV) L - G			293	Vac

Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		MOV		
Protection Modes		L-L, L-N, L-G, N-G		
8/20 μ s Surge Current			600	kA
Nominal Discharge Current Rating (In)		20		

AC Surge Protector SPD POWER VANTAGE
 Panel 277/480 Vac 3-Phase Wye MOV 600 kA, UL
 1449 5th Ed. Type 2, TAA with Disconnect Switch

B94-00-6740



Surge Protection Specification

Description	Minimum	Typical	Maximum	Units
VPR 8/20µs L - L			2,500	Vpk
VPR 8/20µs L - N			1,800	Vpk
VPR 8/20µs L - G			1,800	Vpk
VPR 8/20µs N - G			1,800	Vpk
Response Time			25	ns
SCCR (Short Circuit Current Rating)	100			kAIC

Mechanical Specifications

Size

Height	24 in	[609.6 mm].
Width	16 in	[406.4 mm]
Depth	8.9 in	[226.06 mm]
Weight	60 lbs	[27.22 kg]
Housing Material and Plating	Steel	

Environmental Specifications

Temperature Range (Operational)	-40 to +65 deg C
Environmental Protection Rating	NEMA 3R
Humidity	95% non-condensing

Installation

Mount Type	Panel
------------	-------

Compliance Certifications

UL Compliant Certifications	Yes UL 1449 5th Ed.
--------------------------------	------------------------

AC Surge Protector SPD POWER VANTAGE
Panel 277/480 Vac 3-Phase Wye MOV 600 kA, UL
1449 5th Ed. Type 2, TAA with Disconnect Switch

B94-00-6740



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 POWER VANTAGE Panel 277/480 Vac 3-Phase Wye MOV 600 kA, UL 1449 5th Ed. Type 2, TAA with Disconnect Switch B94-00-6740](https://www.transtector.com/ac-surge-protector-spd-power-vantage-panel-b94-00-6740-p.aspx)

URL: <https://www.transtector.com/ac-surge-protector-spd-power-vantage-panel-b94-00-6740-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

B94-00-6740 CAD Drawing

AC Surge Protector SPD POWER VANTAGE Panel 277/480 Vac 3-Phase Wye
MOV 600 kA, UL 1449 5th Ed. Type 2, TAA with Disconnect Switch

