

DC SPD 600VDC TWO-POLE, DIN-RAIL, UL1449 TYPE 2



I2R-T2DC-600T-LC

Features

- UL 1449 4th Edition Listed, Type 2 SPDs
- High Capacity 50kA MOV Protection
- Local and Remote Visual Status Indicators
- DIN-Rail Mount

Applications

- Communications Base Stations
- Industrial Automation
- Photovoltaic Power Systems
- IT & Data Centers
- Utilities

Description

DC surge protector (also known as SPD or lightning protector) I2R-T2DC-600T-LC from L-Com is a DIN-Rail style SPD that utilizes state of the art MOV technology to protect critical equipment that operates on a 600 Vdc 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. L-Com DC surge protectors are available in stock with same day shipping.

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---------|---------|---------|-------|
| Service Voltages | | 600 | | Vdc |
| Maximum Continuous Operating Voltage (MCOV) | | | | |
| MCOV DC | | | 670 | Vdc |

Surge Protection Specification

| Description | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|-----------------------------|---------|-------|
| Surge Protection Technology | | MOV | | |
| Surge Protection Modes | | LINE-GND, RET-GND, LINE-RET | | |
| Response Time | | | 25 | ns |
| 8/20 μ s Surge Current | | 20 | 50 | kA |
| VPR 8/20 μ s L-G | | | 1,800 | Vpk |
| Nominal Discharge Surge Current (In) | | 20 | | kA |
| SCCR (Short Circuit Current Rating) | | 50 | | kAIC |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[DC SPD 600VDC TWO-POLE, DIN-RAIL, UL1449 TYPE 2 I2R-T2DC-600T-LC](#)

DC SPD 600VDC TWO-POLE, DIN-RAIL, UL1449 TYPE 2



I2R-T2DC-600T-LC

Mechanical Specifications

Size

| | | |
|------------------------------|---------|-------------|
| Height | 3.94 in | [100.08 mm] |
| Width | 0.71 in | [18.03 mm] |
| Depth | 2.56 in | [65.02 mm] |
| Weight | 0.8 lbs | [362.87 g] |
| Housing Material and Plating | ABS | |

Environmental Specifications

| | |
|---------------------------------|--------------------|
| Temperature Range (Operational) | -20 to +50 deg C |
| Environmental Protection Rating | IP20 |
| Humidity | 95% non-condensing |

Installation

| | |
|----------------------------|----------------|
| Mount Type | DIN-Rail |
| Service Wiring Terminal | |
| Compression Lug | #10 to #4 AWG |
| Status Indication Terminal | |
| 3-Position Screw Terminal | #22 to #16 AWG |

Compliance Certifications

| | |
|--------------|-----------------|
| UL Compliant | UL 1449 4th Ed. |
|--------------|-----------------|

Our portfolio includes cable assemblies, connectors, adapters and custom products, as well as their wireless product line which includes antennas, RF amplifiers, coaxial lightning and surge protectors, and NEMA rated enclosures.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [DC SPD 600VDC TWO-POLE, DIN-RAIL, UL1449 TYPE 2 I2R-T2DC-600T-LC](#)

URL: <https://www.l-com.com/i2r-t2dc-600t-lc-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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

I2R-T2DC-600T-LC CAD Drawing

