

E-Star Power Development Co., Ltd. (E-STAR)

1F., No.40, Juren Ln., Sec. 2, Sanmin Rd., Banciao Dist., New Taipei City

22069, Taiwan (R.O.C.)

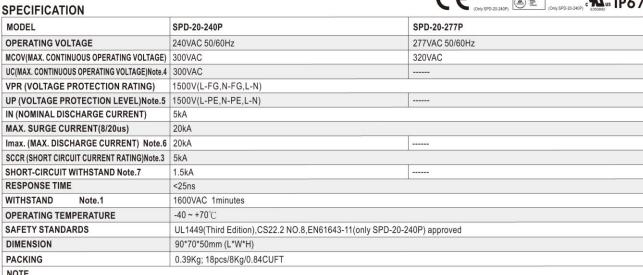
Phone: 886-2-2957 5580 Fax: 886-2-2957 7473

20kA LED Driver power supply < SPD-20



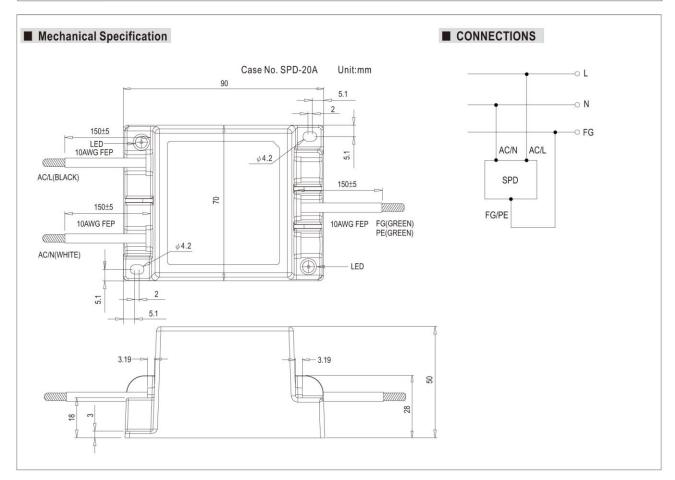
Features:

- · Type 2 component assemblies
- · Line to Ground&Line to Line protected
- · Parallel(3 wires) connection style
- · LED status indicator
- · Suitable for LED driver surge protection
- · IP67 design for indoor or outdoor installations



NOTE

- 1. Varistors are to be removed during this test
- 2. Note.4, Note.5, Note.6, Note.7 are for EN61643-11(SPD-20-240P)
- 3. These devices have been subjected to Surge Testing and Current Test-short Circuit Current Rating by employing a class J Fuse Rated 30A and minimum 600VAC.





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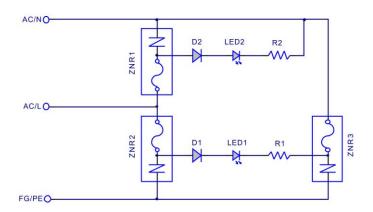
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■ Circuit Diagram



■ INSTALLATION

- 1. This document provides detailed information on how to install and operate the SPD-20 of Surge Protective Devices(SPDS).
- 2. The SPD-20 of Surge Protective Devices are installed/connected in parallel with the line of TN System
- 3. Incorrect installation may significantly impair the performance of the SPD. It is particularly important that all installation procedures and guidelines be followed exactly.
- 4. Before starting any installation procedures, verify service voltage(AC or DC) with a volt meter to ensure that the correct model has been selected for the supply voltage.
- 5. DO NOT INSTALL THE SPD IF MEASURED VOLTAGE EXCEEDS UNIT RATINGS.
- 6. REMOVE POWER FROM ELECTRICAL SYSTEM PRIOR TO INSTALLATION.
- 7. ENSURE THAT ALL CONNECTIONS ARE CORRECT BEFORE ENERGIZING.
- 8. Apply power(energize),LED indicator should illuminate. If LED is out, the SPD requires service.
- 9. Never install on an ungrounded system.

! DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Thoroughly read and comprehend all instructions before commencing installation.

This equipment must be installed by qualified electrical personnel in accordance with all applicable codes which supersede these instructions.

Improper installation or misapplication of these devices may result in death or serious injury.

Failure to follow these instructions could result in damage to the electrical system(s) or related equipment.

! CAUTION

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Never install this unit if it has fallen, has been dropped or looks damaged in any way. Return device to factory for diagnostic testing.