

LPS® SF – 50/240

SURGE PROTECTIVE DEVICE



Protects your critical and essential equipment with a maximum load of up to 15 amps against lightning induced surges



The LPS® SF – 50/240 is suitable for critical and essential equipment with a maximum load of up to 15 amps. It is a reliable and cost-effective surge protective device that protect electronic and electrical equipment against lightning induced surges.

Following extensive R&D, LPS® SF – 50/240 has been created deploying state-of-the-art engineering technology. This Malaysian-made device is designed with high surge capacity to suit even the most lightning prone regions in the world.

It provides 50,000 amps per phase of surge protection in common and differential modes with instantaneous response. This ensures that your equipment is protected from lightning surges from direct lightning strikes, electro-magnetic couplings, the switch of power networks as well as from inductive loads.

LPS® SF – 50/240 is also equipped with a LED indicator which provides users with visual monitoring on protection status. Furthermore, they are armed with a NO/NC dry contact for remote monitoring on protection and power supply status with user-friendly RJ II connector.

How it works

The LPS® SF – 50/240 deploys multi-stage protection with MOV (Metal Oxide Varistor) for primary defence. It is then linked by a second-stage surge attenuate component and finally to a MOV to provide unsurpassed performance in lightning surge protection.

This device also contain a thermal cut-out fuse that assist in avoiding fire hazards when dangerous thermal run-away occurs.

When surges occur, the device will switch to a fully conductive state and divert current, after which it will reset automatically. However, under excessive surge conditions, the device will short circuit to earth, securing the protection of the equipment.

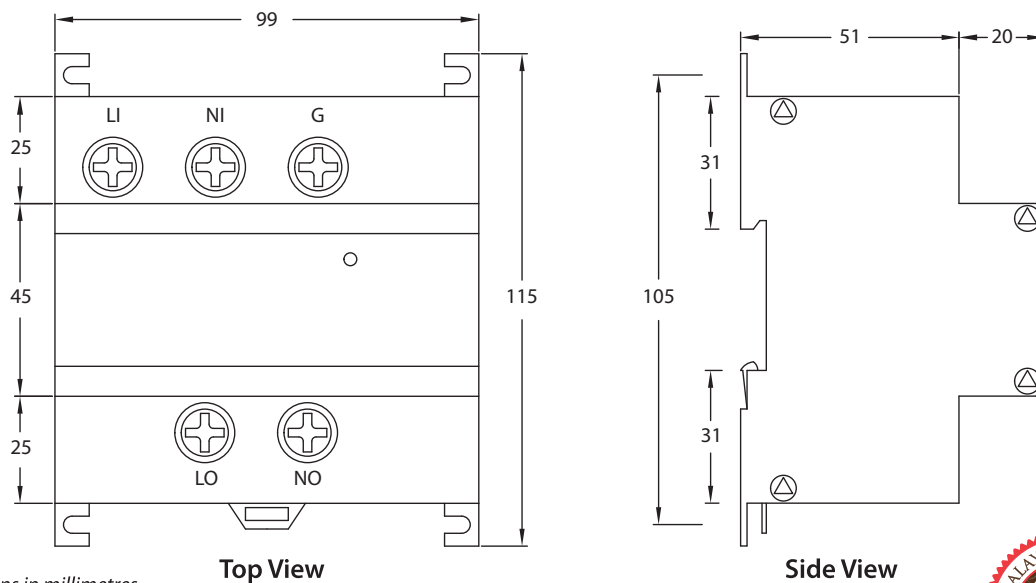
HIGHLIGHTS

- ▶ **It protects critical and essential equipment with a maximum load of up to 15 amps**
- ▶ **It provides both common and differential mode protection with low let-through voltage**
- ▶ **It has a built-in thermal cut-out fuse that assist in avoiding fire hazards when dangerous thermal run-away occurs.**
- ▶ **It is housed in a fail-safe IP 20 metal enclosures for maximum safety**

Technical Specifications

Technical Data	SF – 50/240
Test Standard	IEC 61643-1, Class III
Type of LV System	TT
Location	Next to Equipment
Nominal Voltage U_o	240 VAC (Line – Neutral)
Number of Ports	2 (Series Connection)
Rated Loading Current I_L	10 Amps
Maximum Loading Current	15 Amps
Maximum Continuous Operating Voltage U_c	275 VAC (Line – Neutral)
Temporary Overvoltage U_T , 5s	392 V (Line – Earth); 334 V (Line – Neutral)
Voltage Protection Level U_p T3 at combination wave test 6 kV / 3 kA	900 V (Line – Neutral)
Combination Wave Open Circuit Voltage U_{oc}	6 kV
Residual Current I_{PE}	< 1 mA
Status Indicator	LED, Dry Contact
Maximum Discharge Current I_{max} – Designed	50 kA / phase
	25 kA / mode
Connection Type	Series
Mode of Protection	L–N, L–G and N–G
Frequency	50 – 60 Hz
Operating and Storage Temperatures	– 40° C to 70° C
Maximum Conductor Size	10 mm ²
Degree of Protection	IP 20
Method of Mounting	35 mm Din Rail / Panel Mount
Weight	500 g
Dimensions (L x W x H)	99 mm x 115 mm x 71 mm
Warranty	5 years

Dimensions



All dimensions in millimetres

All the above specifications are subjected to changes without prior notice.
Customised products are available upon request.

Awarded the National Mark of
Malaysian Brand 2015



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