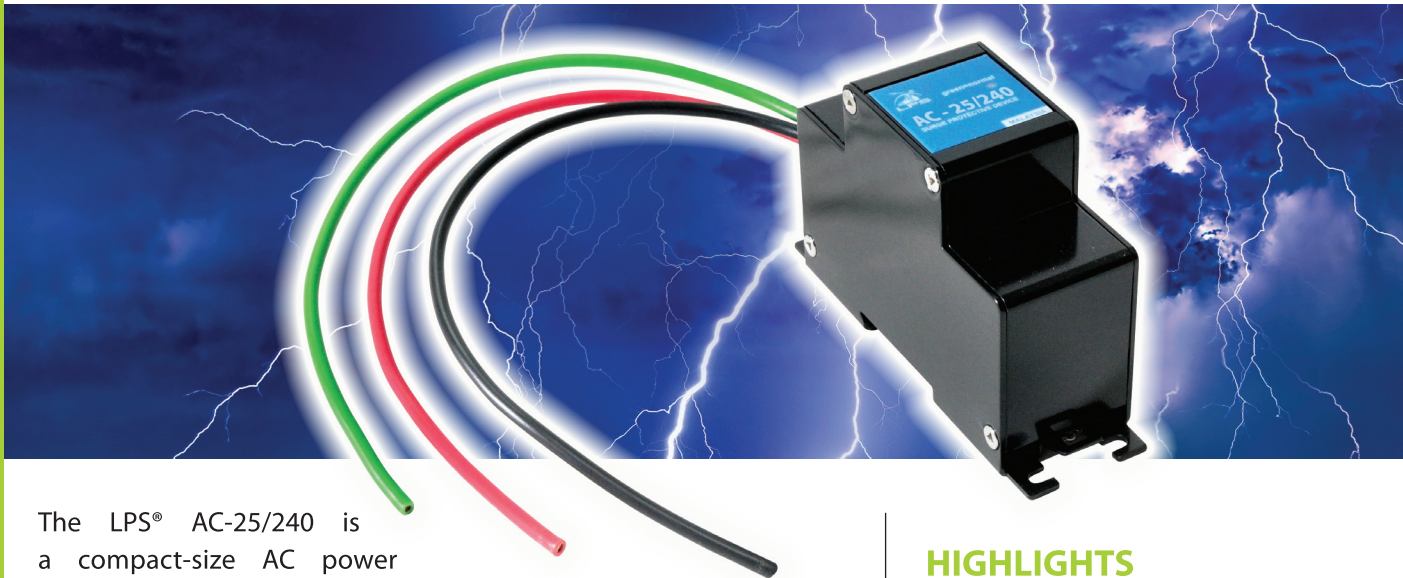


LPS® AC-25/240

SURGE PROTECTIVE DEVICE



Protects your AC power circuits with working voltages of 240 V against lightning induced surges



The LPS® AC-25/240 is a compact-size AC power protector with connecting leads.

It is also a reliable surge protective device that is ideal for 240 V AC power supply for instrumentation interfaces and equipment such as CCTV cameras, Card Reader Controllers, intercoms, fire alarm systems and weighbridges.

The device protects sensitive data equipment against lightning induced surges without impairing the system's normal operation or cause excessive in-line resistance. This device is cost-effective and it provides unsurpassed performance in lightning surge protection.

Following extensive R&D, the LPS® AC-25/240 has been created deploying state-of-the-art engineering technology. This Malaysian-made device is designed with 25,000 amps surge capacity per phase to suit even the most lightning prone regions in the world. It is equipped with a LED indicator.

Metal Oxide Varistors (MOVs) are used to maximise performance and reliability. LPS® AC-25/240 device is specially designed with built-in thermal cut-out fuse to avoid fire hazards when dangerous thermal run-away occurs.

How it works

LPS® AC-25/240 device provides unsurpassed performances in lightning surge protection. When a transient surge occurs, the surge protective device will switch to a fully conductive state to divert high current. It will then reset automatically to a non-conducting state when voltage falls to normal operational value.

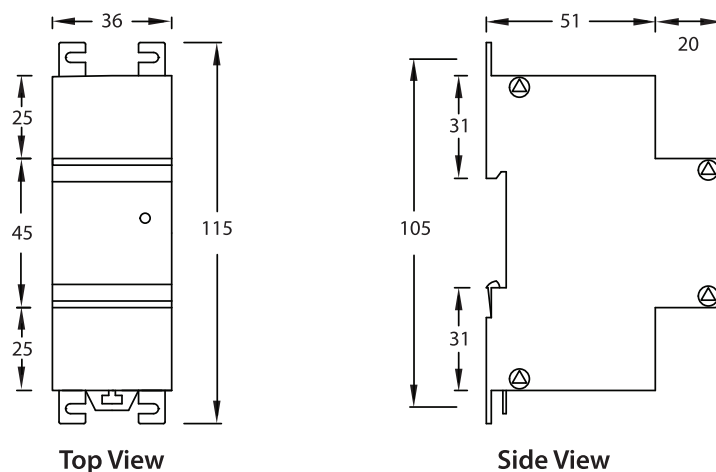
HIGHLIGHTS

- ▶ **It protects 240 V AC power supply of sensitive data equipment against lightning induced surges**
- ▶ **It provides both common and differential mode protection**
- ▶ **It has a LED indicator which provides user with visual monitoring on protection status**
- ▶ **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 enclosure suitable for DIN rail/ panel mount**

Technical Specifications

Technical Data	AC – 25/240
Test Standard	IEC 61643-1, Class III
Type of LV System	TT
Location	Distribution Board (DB) receiving energy from Sub-Switchboard (SSB) located in the same building
Number of Ports	1 (Parallel Connection)
Nominal Voltage U_o	240 VAC (Line – Neutral)
Maximum Continuous Operating Voltage U_c	275 VAC (Line – Neutral)
Mode of Protection	Line – Neutral, Line – Ground, Neutral – Ground
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
Maximum Discharge Current I_{max} – Designed	25 kA / phase
	12.5 kA / mode
Total Discharge Current I_{TOTAL}	25 kA
Residual Current I_{PE}	< 1 mA
Short-circuit Current Rating I_{SCCR}	25 kA
Frequency	50 / 60 Hz
Status Indicator	Visual – LED
Degree of Protection	IP 20
2.5 mm ² Lead Length	300 mm
Operating and Storage Temperatures	– 40 °C to 70 °C
Method of Mounting	35 mm Din Rail / Panel Mount
Rating for External Disconnector	16 A MCB / Switch Fuse / Transient Protected RCCB
Weight	250 g
Dimensions	36 x 115 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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