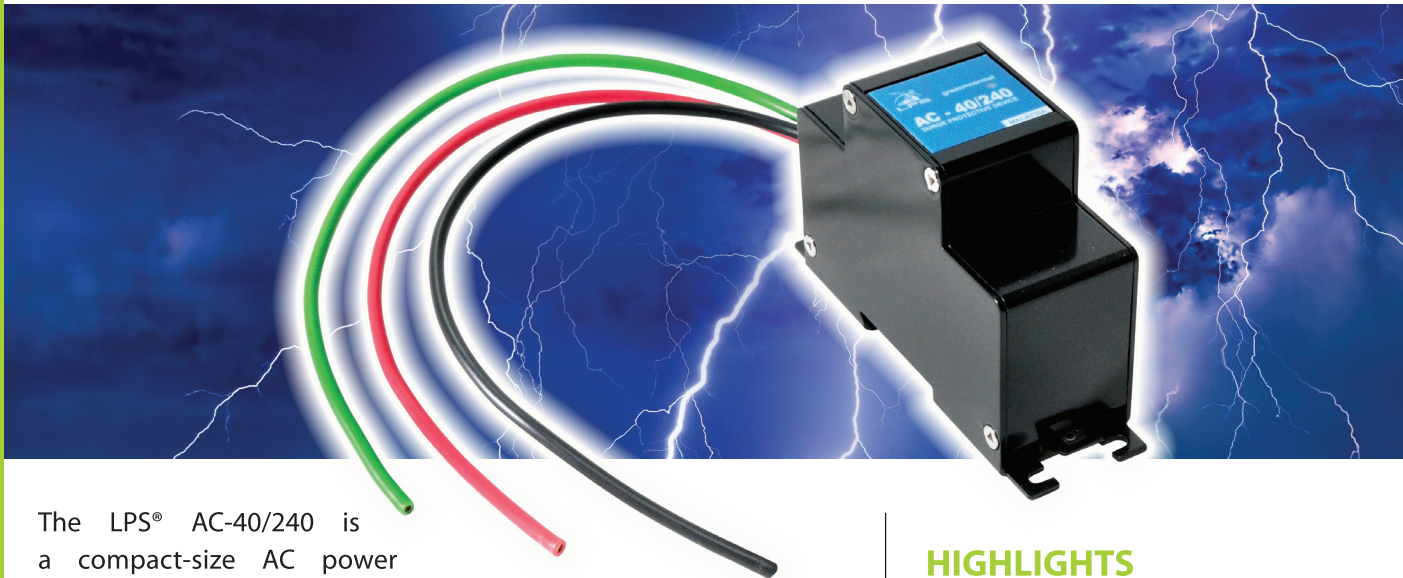


LPS® AC-40/240

SURGE PROTECTIVE DEVICE



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



The LPS® AC-40/240 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-40/240 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.

How it works

When surges occur, the LPS® AC-40/240 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, and the external fuse (if added) will blow and disconnect the circuit, thus securing the protection of the equipment.

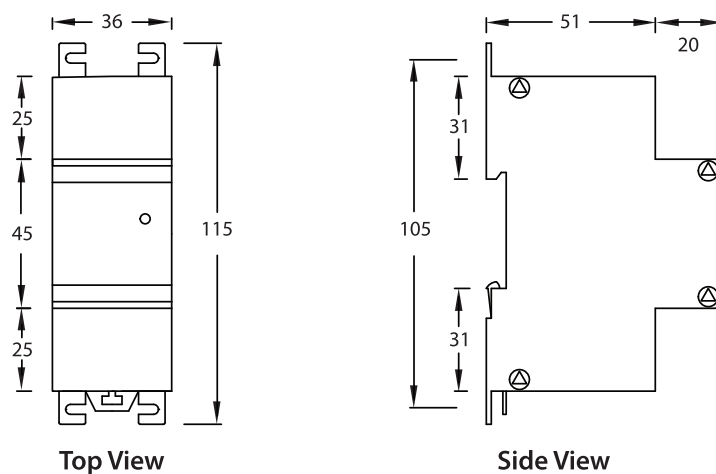
HIGHLIGHTS

- ▶ **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**
- ▶ **Every MOV 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 – 40/240
Test Standard	IEC 61643-11, 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	L – N, L – G, N – G
Voltage Protection Level U_p , T3 at combination wave test 6 kV / 3 kA	1.2 kV (Line – Neutral)
Combination Wave Open Circuit Voltage U_{oc}	6 kV
Maximum Discharge Current I_{max} – Designed	40 kA / phase 20 kA / mode
Temporary Overvoltage U_T (L – N) – 5s	441.6 V
– 200ms	1455.0 V
Total Discharge Current I_{TOTAL}	40 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	270 mm
Operating and Storage Temperatures	– 40 °C to 70 °C
Method of Mounting	35mm Din Rail / Panel Mount
Rating for External Disconnecter	16 A MCB / Switch Fuse / Transient Protected RCCB
Weight	240 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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