

# AC25-240

## AC230 Surge Protector

# LPS



The AC25 series of Surge Protective Device is proudly made in Malaysia and engineered with state-of-the-art Australian technology. It is the result of exhaustive research and development in the world's most lightning prone regions, providing unsurpassed performance in lightning protection. The AC25 series is designed to protect electronic and electrical equipment from lightning surges as a result of direct lightning strikes on power systems, electro-magnetic couplings, the switching of power network and inductive loads. It is most suitable for sub-switchboards and distribution boards of commercial and industrial buildings and main switchboards of home and offices as well as instrumentation equipment.

AC25 Series provides 25,000 amps per phase of surge protection in common and differential modes with instantaneous response. By utilizing Metal Oxide Varistors ( MOVs) that maximizes performance and reliability, the AC25 Series also contains a specially designed Thermal Cut-Out™ fuse that prevents dangerous thermal run-away and fire hazards.

### Standard Features

Description	
Low Let-through Voltage	Provides maximum protection to all equipment
All Mode Protection	Ensures comprehensive protection for both common and differential modes (i.e L-N, L-G and N-G)
Thermal Cut-Out™	Isolate MOV from circuit when MOV is around the end of its life span
Fail-Safe Enclosure	Prevent Fire Hazard
LED Status Indicator	32 cm

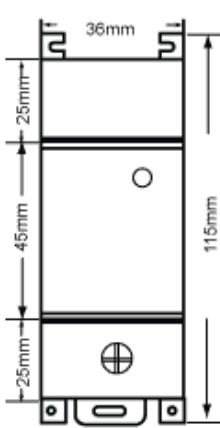
### Technical Data

Feature	Description
Distribution System	1-phase (2 Wire + G)
Normal line voltage	240 VAC (L-N)
I <sub>TOTAL</sub>	25kA
Max. continuous operating voltage U <sub>c</sub>	275 VAC (L-N)
Earth leakage current (DC)	< 1mA
Diagnostics	LED
Max. surge current per phase @ 8/20µs	25kA
Connection Type	Parallel
Response time	<5ns

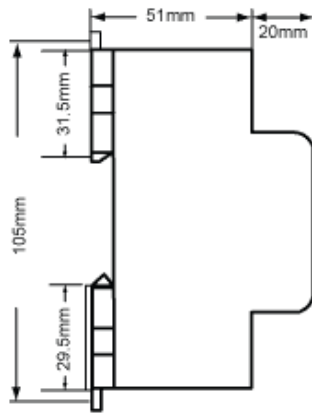
Protection mode	L-N, L-G and N-G
Operating frequency	40 - 60 Hz
Max. loading current	Unlimited
Storage temperature	-40 to + 70°C
2.5mm <sup>2</sup> lead length	110mm
Housing ratings	IP 20 & NEMA 1
Weight	250g
Dimensions	36 mm x 115 mm x 71 mm

International Test Standards of Let-through Voltage	L-N, L-G and N-G
6kV 0.50 $\mu$ s 200A-100kHz Ringwave <ul style="list-style-type: none"> <li>• ANSI / IEEE C62.41 – Category A3</li> <li>• SS CP33</li> <li>• AS/NZS 1768</li> </ul>	900V
6kV 1.2 / 50 $\mu$ s open circuit voltage 3kA 8/20 $\mu$ s short circuit current <ul style="list-style-type: none"> <li>• IEC 61643-1 Class III <span style="border: 1px solid black; padding: 0 2px;">3</span></li> <li>• ANSI / IEEE C62.41 – Category B3 and C1</li> <li>• BS6651:1999 - Category C low and B high</li> <li>• UL 1449</li> <li>• SS CP33</li> <li>• AS/NZS 1768</li> </ul>	900V

**Dimension:**



AC 25 - 240  
Top View



Side View

© COPYRIGHT January 2011. This documentation served as a reference only. It is subject to change without further notice. All the diagrams and information in this documentation may not be duplicated or modified in any form without the written approval from the management.