



PM25 Series

Surge Protective Device



The **PM25 series** of Surge Protective Device (SPD) 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 **PM25 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 homes as well as instrumentation equipment.

PM25 Series provides 25,000 amps per phase of surge protection in common and differential modes with instantaneous response. Metal Oxide Varistors (MOVs) are used to maximize performance and reliability. The **PM25 series** also contains a specially designed Thermal Cut-Out fuse that prevents dangerous thermal run-away and fire hazards.

Standard Features

- **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** — Disconnects the MOVs from the circuit to prevent fire hazards due to temperature rise when MOVs self-destructs.
- **Fail-Safe Enclosure** — Provides maximum safety with IP 20 and NEMA 1 metal enclosure.

Comprehensive Monitoring:

- **LED Status Indicator** — Provides the user with visual monitoring on protection status.
- **Advanced Remote Monitoring*** — NO/NC dry contact provides remote monitoring on protection status and power supply status with user-friendly RJ II connector.
- **Audible Alarm*** — Provides the user with audible monitoring on protection status.

*PM25-415Y Only

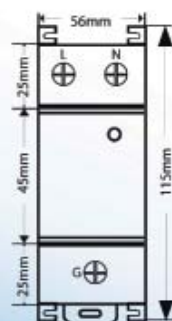


PM25 Series Product specification

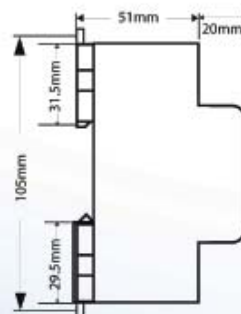
Technical Data	PM 25-240	PM 25-415Y
Distribution System	1-phase (2 Wire + G)	3-phase (4 Wire + G)
Nominal line voltage U_o	240 VAC (L-N)	415 VAC (L-L), 240 VAC (L-N)
I_{TOTAL}	25kA	50kA
Max. continuous operating voltage U_c	275 VAC (L-N)	475 VAC (L-L), 275 VAC (L-N)
Earth leakage current	< 1mA	< 1mA
Diagnostics	LED	LED, Dry Contact & Audible Alarm
Max. surge current per phase @ 8/20 μ s	25kA	25kA
Connection type	Parallel	Parallel
Response time	< 5ns	< 5ns
Protection mode	L-N, L-G and N-G	L-N, L-G and N-G
Operating frequency	40 - 60 Hz	40 - 60 Hz
Max. loading current	Unlimited	Unlimited
Storage temperature	- 40 to + 70°C	- 40 to + 70°C
Max. conductor size	16 mm ²	16 mm ²
Housing ratings	IP 20 & NEMA 1	IP 20 & NEMA 1
Weight	400g	600g
Dimensions	56 mm x 115 mm x 71 mm	109 mm x 115 mm x 71 mm
Warranty	5 Years	5 Years
International Test Standards of Let-through Voltage U_r	L-N, L-G and N-G	L-N, L-G and N-G
6kV 0.5 μs 200A-100kHz Ringwave <ul style="list-style-type: none"> ✓ ANSI/ IEEE C 62.41 - Category A3 ✓ SS CP33 ✓ AS/NZS 1768 	800V(typical)	800V(typical)
6kV 1.2 / 50 μs open circuit voltage 3kA 8 / 20 μs short circuit current <ul style="list-style-type: none"> ✓ IEC 61643-1 Class III T3 ✓ ANSI/ IEEE C62.41 - Category B3 and C1 ✓ BS6651:1999 - Category C low and B high ✓ UL 1449 ✓ SS CP33 ✓ AS/NZS 1768 	900V(typical)	900V(typical)

* All above specifications are subject to changes without prior notice. Customized products are also available upon request.

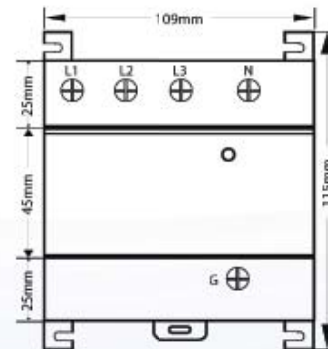
Dimensions:



PM 25-240
Top View



Side View



PM 25-415Y
Top View



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