

Eaton Quickmov™

Class II/Cat C & B, Integrated Quicklag Protection Device



Shunt Surge Diverter, 1 Pole 60kA

Quickmov™ is Australia's first fully integrated Surge Protection Device (SPD), designed to protect single & multi-phase electrical distribution systems against the damaging effects of voltage spikes & surges.

The new Quickmov™ SPD plugs straight into a Quicklag™ loadcentre, connecting to the chassis busbar for the lowest source impedance. Its integrated HRC fuse enables the Quickmov™ to be connected directly to the neutral bar, providing the shortest possible cable length for superior protection of the entire loadcentre. The advanced MOV technology is housed in a dual barrier flame retardant case to provide optimum surge protection performance without compromising safety & reliability.

The Quicklag™ range of mounting accessories complements the Quickmov™, extending its features & benefits to many applications. Its integrated protection reduces the amount of extra components required to carry out a typical installation, saving valuable space & installation time. With a 60kA (MOV I_{max}) surge suppression rating, Quickmov™ is ideal for primary protection in main switchboards & can be used in conjunction with an Eaton SPD50NG1 Neutral-Earth arresstor for distribution boards remote from the M.E.N. point.

Surge Category

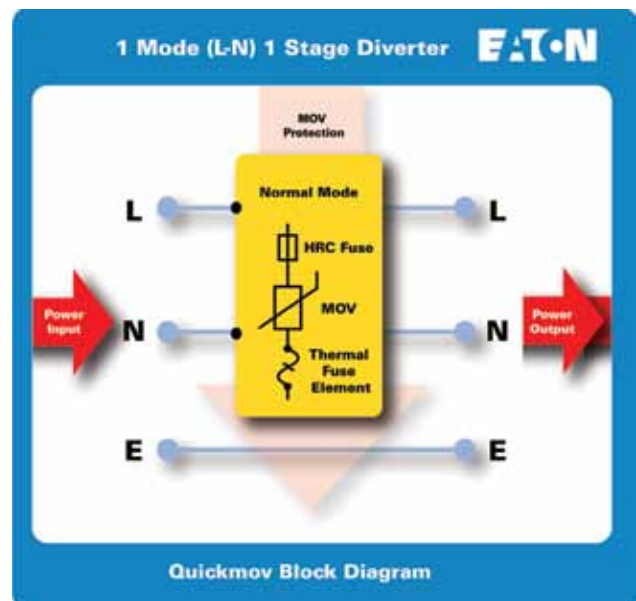
The Quickmov™ is suitable for use in category locations:

Class II Cat C (6kV/15kA) Point of Entry/ Service Entrance

Class II Cat B (6kV/3kA) Major sub mains & short final sub circuits

Key Features:

- Surge rating 30kA I_{nom} & 60kA I_{max}
- Integrated Surge Protection solution
- In-built HRC fusing
- Dual Barrier Flame Retardant Housing
- Fail Safe Status Indicator
- Protection for MEN & non-MEN applications
- Compatibility with Quicklag™ accessories
- Designed in Australia



Technical Specifications	SPDQM1
Protection Mode	Single Mode - connected L-N
Service type	TNC, TN C-S (for TNS add 1 x SPD50NGI protector)
System voltage - Un	220 - 250VAC (380 - 440VAC 3 Ph) 50/60 Hz
Test Classification	Class II (IEC 61643-1), Category C3 (ANSI/IEEE C62.41)
Maximum Continuous Over Voltage (MCOV - Uc)	300VAC
Temporary Over Voltage (TOV) (5s)	330VAC
External disconnector requirements	None. In-built 100AgL/50kA HRC fuse
Surge current rating In (20 times)	30kA (8/20us)
Surge current rating Ismax (2 times)	60kA (Imax MOV rating, 8/20us)
Residual voltage (Vpl) @ 3kA	1.1kV (cable trimmed to 250mm)
Residual voltage (Vpl) @ In	1.8kV (device only)
Connections	Quicklag™ terminal for phase connection. 6mm ² cable (black) for Neutral connection (500mm length)
Dimensions & Weight	25 x 71 x 93 mm (WxDxH), 310g

Due to continual product improvement specifications are subject to change without notice. Copyright 2010 Eaton Corporation.

Connection Diagram

