



DINRAIL MODULAR DIVERTER

Good performance in surge suppression for branch panels in industrial and commercial environments located in low to medium exposure areas

- ◆ **Plug-in protection modules for easy maintenance**
- ◆ **All mode protection**
- ◆ **High surge handling capability up to 120KA**
- ◆ **Status indication**
- ◆ **Remote monitoring**
- ◆ **Redundant protection segments(80KA or above)**
- ◆ **Fits into most switching box**



Plug-in protection modules for easy maintenance - LEPS DMD series surge diverters uses state-of-the-art plug-in protection modules. This makes the maintenance work much more easy in case there is the need to replace the protection modules.

All mode protection - LEPS DMD series surge diverters provides state-of-the-art protection for branch panels using any power distribution systems such as TT, TN-C or TN-S etc. It offers L-N, L-E and N-E, repeated protection in lightning intense environment by rapidly diverts excess transient surges to ground, away from your sensitive equipment.

High surge handling capability up to 120KA per line - 120KA per line surge handling capability makes DMD series protectors an economical choice for total facility protection.

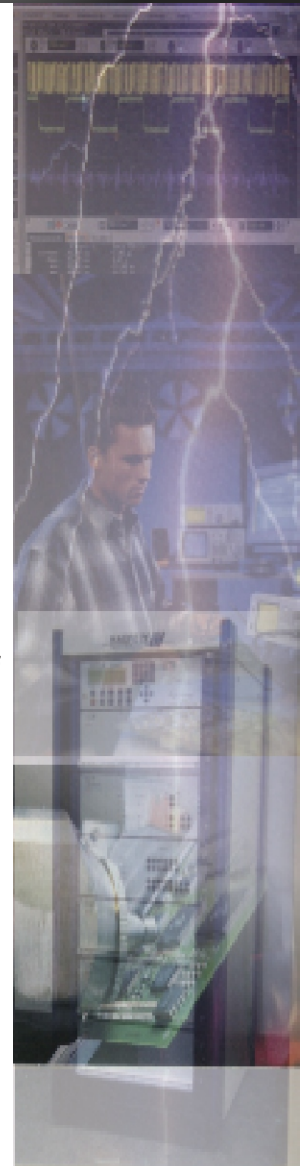
Status indication - All models have mechanical indicator per phase to monitor the integrity of protection.

Remote monitoring - All models features voltage free contacts with

normal open/normal close contacts which change state to indicate a fault. It can be interfacing with intelligent building management systems for remote indication.

Redundant protection segment - 80KA or above models employs two to three independent fused and thermal overload protection elements to provide back-up protection for continued equipment survival despite a fault condition. This means you are never left unprotected.

Fits into most switching box - It's compact design match the profile of most common MCBs at used which makes it ideal for inclusion in distribution or switchboard by mounting on the DIN43880 DIN rail.

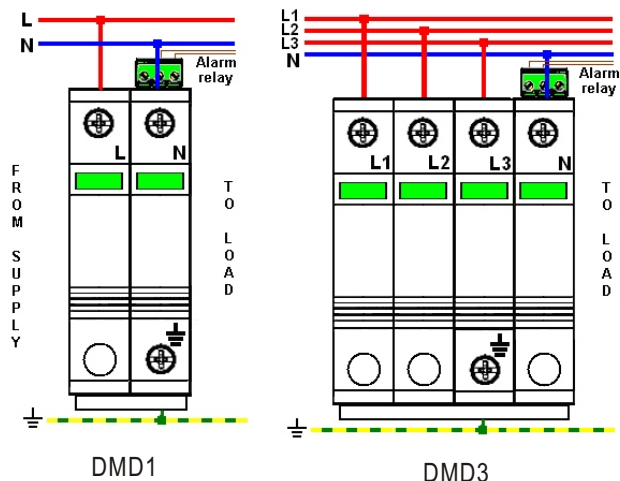




SPECIFICATIONS AND DRAWINGS

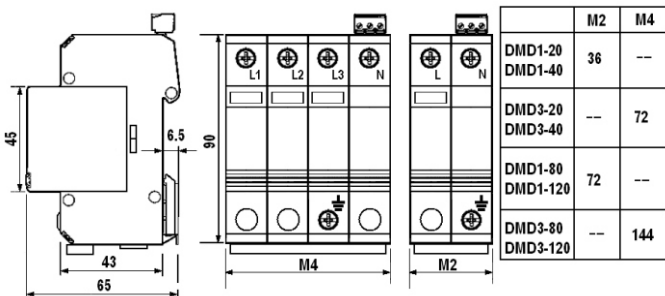
Installation

The diverters are connected in parallel with the protected system(load) as illustrated below:



For detail installation requirements, pls refer to relevant user manual.

Dimensions



Ordering Information

MODEL	DESCRIPTION	WEIGHT
DMD1-20M	1 Ph, 20KA, DINRAIL modular diverter	240g
DMD1-20MA	1 Ph, 20KA, DINRAIL modular diverter, with alarm	245g
DMD1-40M	1 Ph, 40KA, DINRAIL modular diverter	270g
DMD1-40MA	1 Ph, 40KA, DINRAIL modular diverter, with alarm	275g
DMD1-80M	1 Ph, 80KA, DINRAIL modular diverter	320g
DMD1-80MA	1 Ph, 80KA, DINRAIL modular diverter, with alarm	325g
DMD1-120M	1 Ph, 120KA, DINRAIL modular diverter	345g
DMD1-120MA	1 Ph, 120KA, DINRAIL modular diverter, with alarm	350g
DMD3-20M	3 Ph, 20KA, DINRAIL modular diverter	480g
DMD3-20MA	3 Ph, 20KA, DINRAIL modular diverter, with alarm	485g
DMD3-40M	3 Ph, 40KA, DINRAIL modular diverter	520g
DMD3-40MA	3 Ph, 40KA, DINRAIL modular diverter, with alarm	525g
DMD3-80M	3 Ph, 80KA, DINRAIL modular diverter	600g
DMD3-80MA	3 Ph, 80KA, DINRAIL modular diverter, with alarm	605g
DMD3-120M	3 Ph, 120KA, DINRAIL modular diverter	720g
DMD3-120MA	3 Ph, 120KA, DINRAIL modular diverter, with alarm	725g

Notes:

(1) The above models have operating voltage of 180-280Vrms(1ph), 300-480Vrms(3ph). Other operating voltage ranges are available on requested.

General Specifications

Nominal voltage:	220Vrms(1ph), 380Vrms(3ph)
Operating voltage:	180-280Vrms(1ph), 300-480Vrms(3ph)
Frequency:	40-60Hz
Earth leakage current:	10μA
Max. Surge rating per line:	See ordering information
Let through voltage:	<850V for 3KA Cat B
Protection mode:	L-N, L-E, N-E
Response time:	<5ns
Standards compliance:	BS6651-1999 cat.A.B.C AS1768-2003 cat.A.B.C IEEE C62.41 cat.A.B.C CP33-1999 cat.A.B.C IEC 1000-4-5 1995 UL1449 second edition

SPD Category(IEC/EN/VDE): Class II/Type 2/C---DMD-20, DMD-40
Class I+II/Type 1+2/B+C---DMD-80, DMD-120

Alarm isolation:	4KV
Status indicator:	Mechanical Indicator (Green=OK. Red=Fault)
Alarm(volt free contact):	N/O, N/C(2A@250Vac)
Alarm conductor size:	2.5mm ²
Conductor size:	35mm ² (stranded)
Operating temperature:	-40-85°C
Humidity:	0-95%(R.H.)
Mounting:	35mm DIN rail (DIN 43880)
Enclosure material:	Thermal Plastic UL94-V0
Weight:	See ordering information

