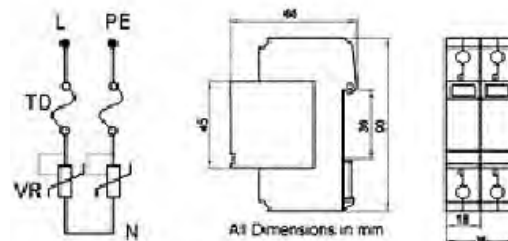


## Single Phase (2MOV Module) Surge Protective Devices TYPE: D1-40/275-2MV-R (D1-50/275-2MV-R)

Surge arrester for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 0B-1 and higher.

### Terminal Block Modules series

- Class II (C) arrester in according with IEC61643-11.
- Two part design consisting of base and plug-in module.
- High energy MOV (Metal Oxide Varistor) inside.
- Reliable supervision due to disconnection device.
- Fault indication by red indication flag in window.
- Fast response.
- With remote alarm terminal.



## Technical Data

| Type  | D1-40/275-2MV-R  |      | D1-50/275-2MV-R |  |
|---|--|------|-----------------|--|
|   | 275  |      |                 |  |
| In accordance with  | IEC61643-11  |      | UL1449 3rd      |  |
| Category IEC/VDE  | Class II/C   |      | Type 1 & 2      |  |
| Max. continuous operating voltage (AC/DC)                   | 275/300  |      |                 |  |
| Nominal discharge current(8/20) In                          | L-N  | 20KA | 20KA            |  |
|   | N-PE   | 20KA | 20KA            |  |
| Max. discharge current(8/20) Imax                           | L-N  | 40KA | 50KA            |  |
|   | N-PE   | 40KA | 50KA            |  |
| Voltage protection level @In                                | 1.3KV  |      | /               |  |
| Voltage protection rating @6KV/3KA                          | /  |      | 1.0KV           |  |
| Response time   | ≤25 ns   |      |                 |  |
| Backup fuse(only required if not already provided in mains) | 125A gL/gG   |      |                 |  |
| Operating temperature range                                 | - 40°C ~ + 80°C  |      |                 |  |
| Cross-section of connection wire                            | Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup> |      |                 |  |
| Mounting  | 35mm DIN-rail in accordance with EN 50022/DIN46277-3             |      |                 |  |
| Enclosure material  | thermoplastic; extinguishing degree UL94 V-0                     |      |                 |  |
| Degree of protection  | IP20   |      |                 |  |
| Installation width  | 2 modules, DIN 43880   |      |                 |  |
| Thermal disconnect  | Internal green – normal red - failure                            |      |                 |  |
| Remote alarm contact  | Yes  |      |                 |  |
| <b>Additional data for Remote Alarm Contacts</b>            |  |      |                 |  |
| Remote alarm contact type                                   | floating changeover contact                                      |      |                 |  |
| Switching capability UN/IN                                  | AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A                 |      |                 |  |
| Cross-section of connection wire                            | Max. 1.5mm <sup>2</sup>  |      |                 |  |