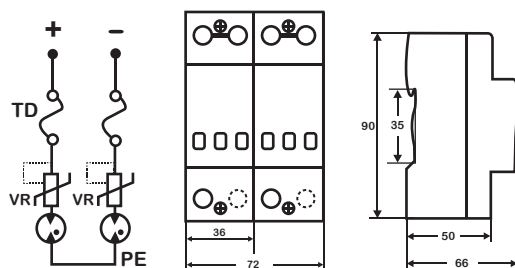


## MOV&GDT in Series Module DC Surge Protection Devices Type 2\*MVGT100/420-R

- Class I +II(B+C) DC arrester in according with IEC61643-1:2001.
- Tested with lightning impulse current (10/350) in according with IEC61643- 1:2005.
- High energy MOV (Metal Oxide Varistor) & GDT (Gas Discharge Tube) in series inside.
- Reliable supervision due to disconnection device
- Fault indication by red indication flag in window
- No leakage current and No follow current
- With remote alarm terminal optional

Dimensions and Diagram



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

## Characteristics

| Type                                                         | 2*MVGT 100/420-R                                                 |
|--------------------------------------------------------------|------------------------------------------------------------------|
| In accordance with                                           | IEC61643-1:2005 ; UL1449 ed.3                                    |
| Category IEC/VDE                                             | I + II                                                           |
| Protection Mode                                              | Common mode                                                      |
| Nominal voltage                                              | 500V DC                                                          |
| Max. continuous operating voltage (AC/DC)                    | 420V AC / 560V DC                                                |
| Nominal discharge current(8/20us)I <sub>n</sub>              | 50KA                                                             |
| Max discharge current(8/20us)I <sub>max</sub>                | 100KA                                                            |
| Lightning impulse current (10/350) I <sub>imp</sub>          | 12.5KA                                                           |
| Voltage protection level at I <sub>n</sub>                   | 1.6 KV                                                           |
| Response time (MOV/GDT)                                      | ≤25 ns / ≤100 ns                                                 |
| Backup fuse (only required if not already provided in mains) | 250A gL/gG                                                       |
| Follow current                                               | No                                                               |
| Leakage current                                              | No                                                               |
| 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                                           | 4 modules , DIN 43880                                            |
| Thermal disconnecter                                         | Red - failure                                                    |
| Remote alarm contact                                         | Optional                                                         |
| Additional data for Remote Alarm Contacts                    | Additional data for Remote Alarm Contacts                        |
| 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>                                          |

Note: Subject to change without any notice.