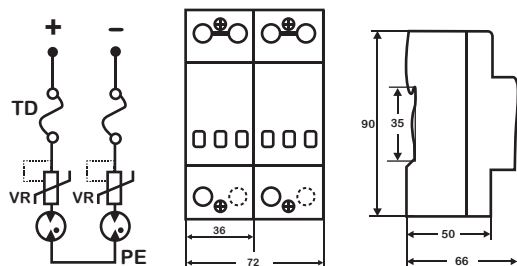


MOV&GDT in Series Module DC Surge Protection Devices Type 2*MVGT100/420-R

- 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)In	50KA
Max discharge current(8/20us)Imax	100KA
Lightning impulse current (10/350) Iimp	12.5KA
Voltage protection level at In	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 ² ; multi-strand 25mm ²
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 ²

Note: Subject to change without any notice.