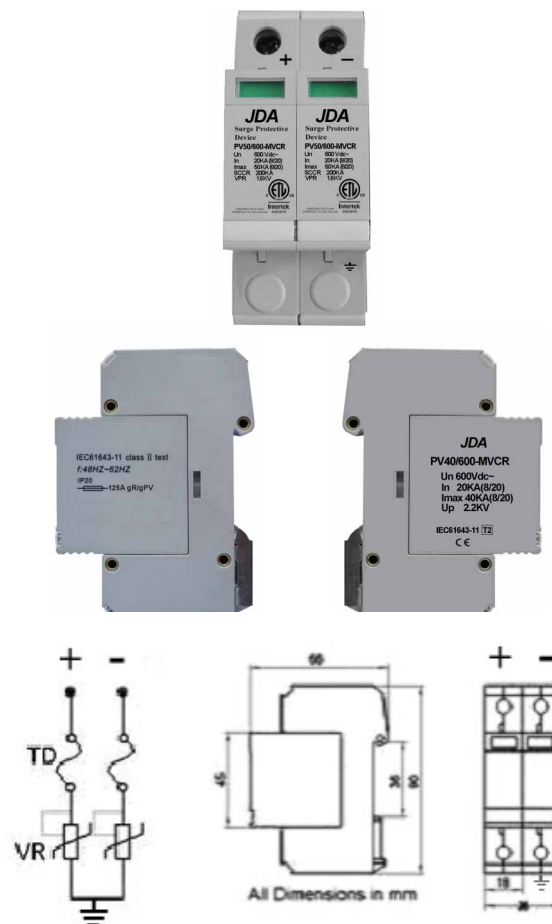


DC Surge Protective Device for PV TYPE: PV50/600-MVCR

Common mode DC Surge arrester for Photovoltaic protection against surges at the boundaries from lightning protection zone 0B-1 and higher.

- Class II (C) DC arrester in according with IEC61643-11 and UL1449-3rd.
- Two part design consisting of base and plug-in protection module.
- Common protection mode.
- 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 optional.



Technical Data

| Type | | PV50/600-MVCR |
|---|--------------|--|
| In accordance with | | IEC61643-11; UL1449 ed.3 |
| Category IEC/VDE | | II/ C |
| Protection Mode | | Common mode |
| Nominal voltage | | 600VDC |
| Max. continuous operating voltage (DC) | | 670VDC |
| Nominal discharge current (8/20) In | | 20KA |
| Max. discharge current(8/20) I _{max} | Per IEC61643 | 40KA |
| | Per UL1449 | 50KA |
| Voltage protection level@In per IEC61643 | | 2.2KV |
| VPR at 6KV/3KA per UL1449 | | <1.6KV |
| Response time | | ≤25 ns |
| Backup fuse(only required if not already provided in mains) | | 125A gR/gPV |
| 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 | | 2 modules, DIN 43880 |
| Thermal disconnect | | Internal green – normal red - failure |
| Remote alarm contact | | Yes |
| Additional data for Remote Alarm Contacts | | |
| Remote alarm contact type | | floating changeover contact |
| Switching capability U _N /I _N | | AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A |
| Cross-section of connection wire | | Max. 1.5mm ² |