



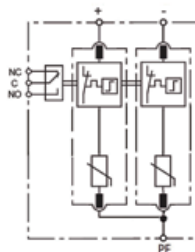
PV40-1000-MVCR

Type 2 SPD designed for low voltage system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

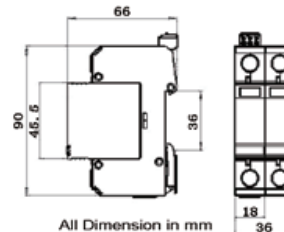
- Class II surge protector for Photovoltaic system
- IEC61643-31, EN50539 compliance
- Type 2, common mode surge protection, 40kA surge arrester
- Pluggable design SPD, easy replacement
- Reliable supervision due to disconnection device
- Fault indication by red indication flag in window
- With remote alarm terminal optional



Basic circuit diagram



Dimension drawing



| | | |
|---|--|--------|
| Part No. | PV40/1000-MVCR | |
| In accordance with | IEC61643-31, EN50539 | |
| Category IEC/VDE | II/ C | |
| Protection Mode | Common mode | |
| Nominal voltage (Vdc) | Un | 1000 |
| Max. continuous operating voltage (Vdc) | Ucpv | 1060 |
| Nominal discharge current(8/20) | In | 20kA |
| Max. discharge current(8/20) | Imax | 40kA |
| Voltage protection rating | Up | <3.6kV |
| Short-circuit current rating(Iscpv) | 1000A | |
| Response time | ≤ 25ns | |
| Follow current | No | |
| 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 disconnecter | Internal green – normal ; red - failure | |
| Remote alarm contact | Optional | |
| Approvals, Certifications | CE | |
| Remote alarm contact type | Isolated Form C | |
| Switching capability Un/In | AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A | |
| Max. Size of connecting wire | Max. 1.5mm ² (or # 16AWG) | |

note: subject to change without any notice, JDA pay no responsibility