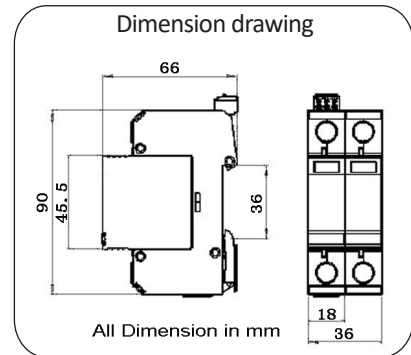
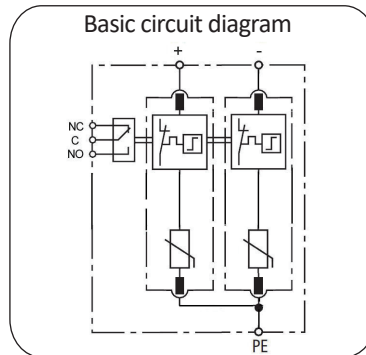
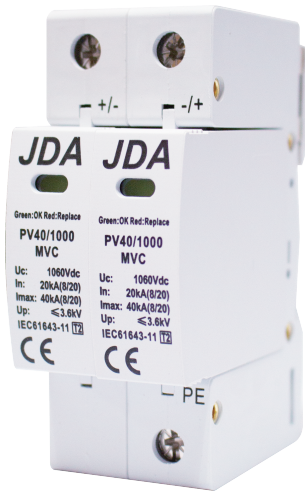


# PV40-1000-MVC



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

|                                                             |                                                                  |        |
|-------------------------------------------------------------|------------------------------------------------------------------|--------|
| 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 <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 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 <sup>2</sup> (or # 16AWG)                             |        |

Note: Subject to change without any notice.