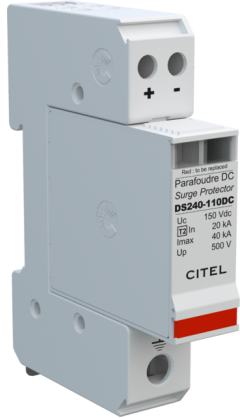
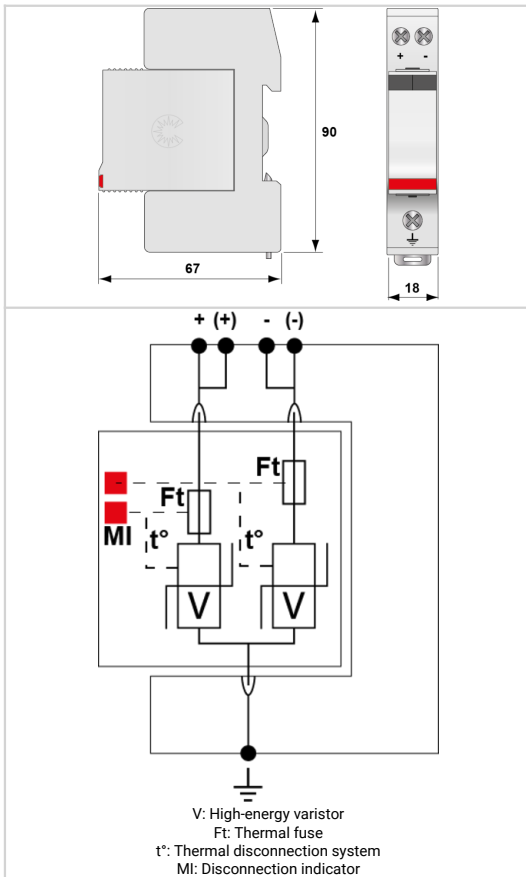


### DS240-110DC



- ✦ Discover our latest innovation : the [DDC40C-20-150](#)
- ✦ DC or PV power surge protector
- ✦ 110 Vdc
- ✦ Compact design
- ✦ I<sub>max</sub>: 40 kA
- ✦ Pluggable module
- ✦ Remote signaling (option)
- ✦ Very low Up protection level



| Electrical Characteristics                                     |                        |  |
|--|------------------------|--|
| SPD type   | IEC                    | 2  |
| Network  |                        | DC or PV network 110Vdc  |
| Nominal DC voltage   | Un-dc                  | 110 Vdc  |
| Nominal PV voltage   | Uocstc                 | 110 Vdc  |
| Max. AC operating voltage                                      | Uc                     | 115 Vac  |
| Max. PV operating voltage                                      | Ucpv                   | 150 Vdc  |
| Max. DC operating voltage                                      | Uc                     | 150 Vdc  |
| Residual Current Leakage current to Ground                     | I <sub>pe</sub>        | < 0.2 mA   |
| PV Permanent Operating current Current consumption at Ucpv     | I <sub>cpv</sub>       | < 0.1 mA   |
| Follow current   | I <sub>f</sub>         | None   |
| Nominal discharge current 15 x 8/20 μs impulses                | I <sub>n</sub>         | 20 kA  |
| Max. discharge current max. withstand @ 8/20 μs by pole        | I <sub>max</sub>       | 40 kA  |
| Total Maximum discharge current max. total withstand @ 8/20 μs | I <sub>max Total</sub> | 80 kA  |
| Current withstand short circuit PV                             | I <sub>scpv</sub>      | 1000 A   |
| Connection mode(s)   |                        | +/-PE  |
| Protection mode(s)   |                        | Common mode  |
| Protection level +/-PE (-/PE) @ I <sub>n</sub> (8/20μs)        | U <sub>p</sub>         | 500 V  |
| Mechanical Characteristics                                     |                        |  |
| Technology   |                        | MOV  |
| SPD configuration  |                        | 2-poles  |
| Connection to Network  |                        | By screw terminals: 1.5-10mm <sup>2</sup> (actives wires) and 2.5-25mm <sup>2</sup> (ground) |
| Format   |                        | Plug-in modular box  |
| Mounting   |                        | Symmetrical rail 35 mm (EN 60715)  |
| Housing material   |                        | Thermoplastic UL94 V-0   |
| Operating temperature  | T <sub>u</sub>         | -40/+85°C  |
| Protection rating  |                        | IP20   |
| Failsafe mode  |                        | Disconnection from DC network  |
| Disconnection indicator  |                        | 2 mechanical indicators  |
| Spare module(s)  |                        | DSM240-110DC   |
| Remote signaling of disconnection                              |                        | Option DS240S-110DC : output on changeover contact   |
| Dimensions   |                        | See diagram  |
| Disconnectors  |                        |  |
| Thermal disconnector   |                        | Internal   |
| Back-up protection device                                      |                        | Fuses type gG - 20A  |
| Standards  |                        |  |
| Standards compliance   |                        | IEC 61643-11 / EN 61643-11 / UL1449 ed.5   |
| Certification  |                        | TUV  |
| Part number  |                        |  |
| 310701   |                        |  |