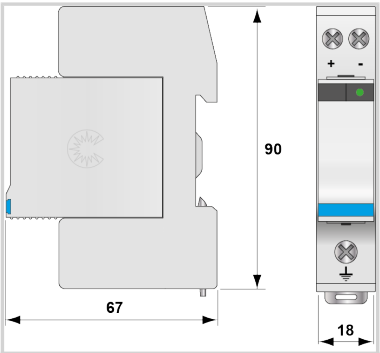
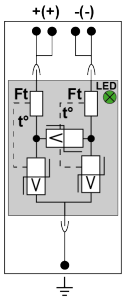
# *DC power surge protector - 75 Vdc*

## DS210-75DC




- Surge protector for DC supplies
- 75 Vdc
- Imax: 6 kA
- Pluggable module
- Operating indicator
- IEC 61643-11, EN 61643-11 and UL1449 ed.5




**V: Varistor**
**Ft: Thermal fuse**
**t°: Thermal disconnection system**
**LED: Disconnection indicator**

| **Electrical Characteristics** | | |
|---|---|---|
| SPD type | IEC | 2+3 |
| Network | | DC network 75 Vdc |
| Nominal DC voltage | Un-dc | 75 Vdc |
| Max. AC operating voltage | Uc | 60 Vac |
| Max. DC operating voltage | Uc | 85 Vdc |
| Max. load current @25°C | IL | 20 A |
| Residual Current<br>*Leakage current to Ground* | Ipe | < 0.2 mA |
| PV Permanent Operating current<br>*Current consumption at Ucpv* | Icpv | < 0.1 mA |
| Follow current | If | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 2 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 6 kA |
| Total Maximum discharge current<br>*max. total withstand @ 8/20 µs* | Imax Total | 6 kA |
| Current withstand short circuit PV | Iscpv | 1000 A |
| Connection mode(s) | | +/-/PE |
| Protection mode(s) | | Common/Differential mode |
| Protection level +/PE (-/PE)<br>*@ In (8/20µs)* | Up | 250 V |
| **Mechanical Characteristics** | | |
| Technology | | MOV |
| SPD configuration | | 2-poles |
| Connection to Network | | By screw terminals: 1.5-10mm² (actives wires) and 2.5-25mm² (ground) |
| Format | | Plug-in modular box |
| Mounting | | Symmetrical rail 35 mm (EN 60715) |
| Housing material | | Thermoplastic UL94 V-0 |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection from DC network |
| Disconnection indicator | | Green LED(s) OFF |
| Spare module(s) | | DSM210-75DC |
| Dimensions | | See diagram |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Back-up protection device | | Fuses type gG - 10 A |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| **Part number** | | |
| **440601** | | |