



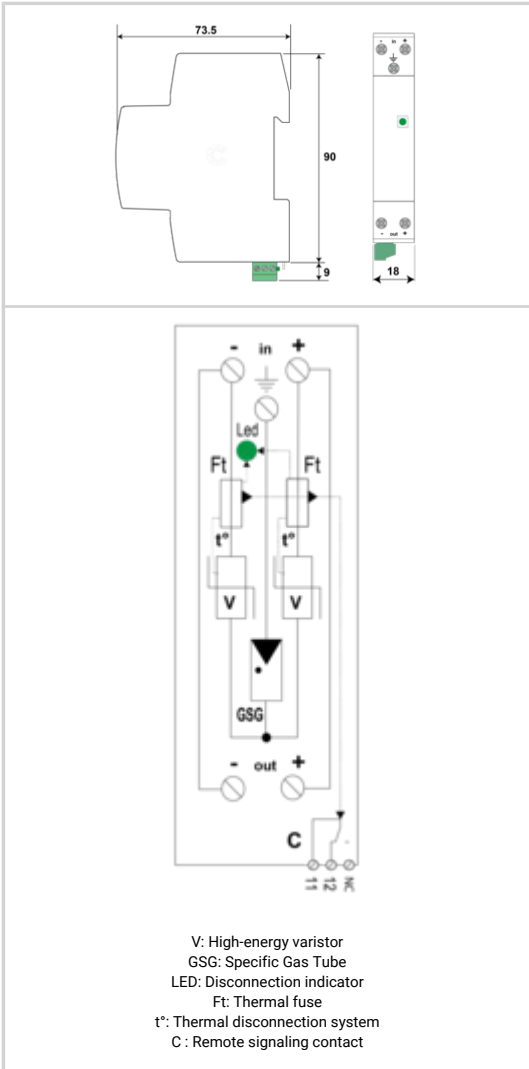
# Compact Type 2 (or 3) DC surge protector - 30 V - Monobloc

# CITEL

## DDCN03S-21YG-30



- DC Power Type 2 (or 3) SPD
- 2-port configuration (series mounting)
- Compact and Cost effective
- In/Imax: 1.5 kA/ 3 kA
- Max. load current: 25A
- Disconnection
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance



| Electrical Characteristics   |       |   |
|--|-------|---|
| Nominal DC voltage   | Un-dc | 24 Vdc                                    |
| Max. DC operating voltage  | Uc    | 30 Vdc                                    |
| Max. load current @25°C  | IL    | 25 A                                      |
| Residual Current Leakage current to Ground                                       | Ipe   | None                                      |
| Nominal discharge current 15 x 8/20 µs impulses                                  | In    | 1.5 kA                                    |
| Max. discharge current max. withstand @ 8/20 µs by pole                          | Imax  | 3 kA                                      |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc   | 3 kV                                      |
| Connection mode(s)   |       | +/-/PE                                    |
| Protection level +/- @ In (8/20µs)   | Up    | 0.2 kV                                    |
| Protection level +/-PE (-/PE) @ In (8/20µs)                                      | Up    | 0.8 kV                                    |
| Admissible short-circuit current   | Iscsr | 10 000 A                                  |
| Mechanical Characteristics   |       |   |
| Connection to Network  |       | By screw terminals: 1.5-10mm <sup>2</sup> |
| 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 OFF                             |
| Remote signaling of disconnection  |       | output on NC contact                      |
| Dimensions   |       | See diagram - 1TE (EN43880)               |
| Weight   |       | 0.089 kg                                  |
| Disconnectors  |       |   |
| Thermal disconnector   |       | Internal                                  |
| Back-up protection device  |       | Fuses type gG - 25A                       |
| Standards  |       |   |
| Standards compliance   |       | IEC 61643-11 / prIEC 61643-41             |
| Part number  |       |   |
| 70124042   |       |   |

