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

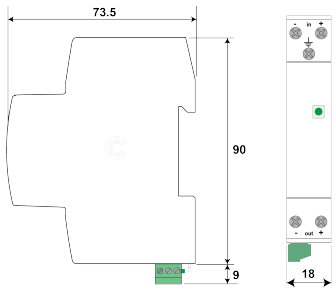
## DDCN03S-21YG-30

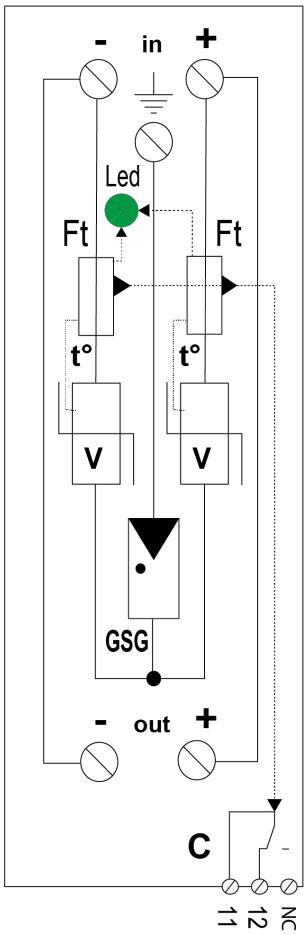
- DC Power Type 2 (or 3) SPD
- 2-port configuration (series mounting)
- Compact and Cost effective
- In/Imax: 1.5 kA/ 3 kA
- Max. load current: 25A
- Disconnection
- Remote signaling
- EN 61643-11, IEC 61643-11 compliance

CE

| | | |
|---|---|---|
| **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<br>*Leakage current to Ground* | Ipe | None |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 1.5 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 3 kA |
| Withstand on Combination waveform IEC 61643-11<br>*Class III test: 1.2/50µs - 8/20µs* | Uoc | 3 kV |
| Connection mode(s) | | +/-/PE |
| Protection level +/-<br>*@ In (8/20µs)* | Up | 0.2 kV |
| Protection level +/PE (-/PE)<br>*@ In (8/20µs)* | Up | 0.8 kV |
| Admissible short-circuit current | Isccr | 10 000 A |
| **Mechanical Characteristics** | | |
| Connection to Network | | By screw terminals: 1.5-10mm² |
| 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) |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| Back-up protection device | | Fuses type gG - 25A |
| **Standards** | | |
| Standards compliance | | IEC 61643-11 / prIEC 61643-41 |
| **Part number** | | |
| **70124042** | | |

# DDCN03S-21YG-30




V: High-energy varistor
GSG: Specific Gas Tube
LED: Disconnection indicator
Ft: Thermal fuse
t°: Thermal disconnection system
C : Remote signaling contact