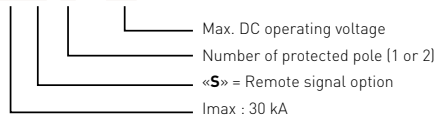


# DDC30 SERIES

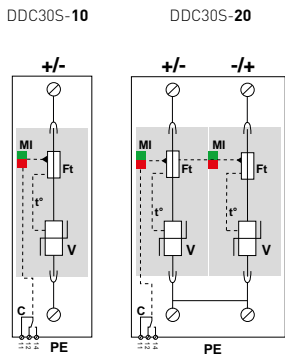
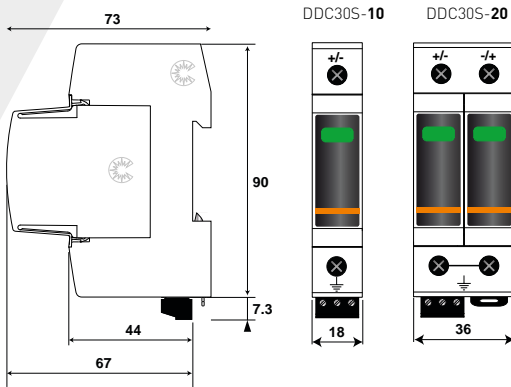


- 1-pole or 2-pole surge protector
- Pluggable module
- In: 15 kA / I<sub>max</sub>: 30 kA
- Remote signaling (option)
- Iimp: 4 kA
- prIEC 61643-41 compliance

DDC30S-x0-xx



## Characteristics



V: High-energy varistor  
 Ft: Thermal fuse  
 C: Remote signaling contact  
 t°: Thermal disconnection system  
 Mi : Disconnection indicator

| CITEL Model  | DDC30-10-65  | DDC30-10-85            | DDC30-20-65                           | DDC30-20-85            |
|--|--|------------------------|---------------------------------------|------------------------|
| Description  | 1-pole DC surge protector  |                        | 2-pole DC surge protector             |                        |
| Nominal DC voltage   | Un   | 48 Vdc                 | 75 Vdc                                | 75 Vdc                 |
| Connection mode  | +/PE and -/PE  |                        | +/PE and -/PE                         |                        |
| Max. DC operating voltage  | Uc-DC  | 65 Vdc                 | 85 Vdc                                | 85 Vdc                 |
| Max. AC operating voltage  | Uc-AC  | 50 Vac                 | 60 Vac                                | 60 Vac                 |
| Residual current<br><i>Leakage current at Uc</i>                   | I <sub>pe</sub>  | < 0.1 mA               | < 0.1 mA                              | < 0.1 mA               |
| Follow current   | I <sub>f</sub>   | None                   | None                                  | None                   |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>          | I <sub>n</sub>   | 15 kA                  | 15 kA                                 | 15 kA                  |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>  | I <sub>max</sub>   | 30 kA                  | 30 kA                                 | 30 kA                  |
| Total discharge current @ 8/20μs                                   | I <sub>max</sub> total   | 60 kA                  | 60 kA                                 | 60 kA                  |
| Max. lightning current by pole<br><i>max. withstand @ 10/350μs</i> | I <sub>imp</sub>   | 4 kA                   | 4 kA                                  | 4 kA                   |
| Protection level +/PE (-/PE)<br><i>@ In (8/20μs)</i>               | U <sub>p</sub>   | 300 V                  | 390 V                                 | 300 V                  |
| Protection Level +/- @In (8/20μs)                                  | U <sub>p</sub>   | -                      | -                                     | 600 V                  |
| <b>Associated disconnectors</b>                                    |  |                        |                                       |                        |
| Thermal disconnector   | internal   |                        |                                       |                        |
| Fuses (if requested)   | 50 A min. - 125 A max. -Fuses type gG                                |                        |                                       |                        |
| <b>Mechanical characteristics</b>                                  |  |                        |                                       |                        |
| Dimensions   | see diagram - 1 TE (EN43880)   |                        | see diagram - 2 TE (EN43880)          |                        |
| Connection to Network  | Screw terminals: 2.5-25 mm <sup>2</sup> +/- : 1.5-10 mm <sup>2</sup> |                        |                                       |                        |
| Failsafe mode  | Disconnection from network   |                        |                                       |                        |
| Disconnection indicator  | 1 mechanical indicator<br>Green/Red                                  |                        | 2 mechanical indicators,<br>Green/Red |                        |
| Remote signaling of disconnection<br>output on changeover contact  | option<br>DDC30S-10-65   | option<br>DDC30S-10-85 | option<br>DDC30S-20-65                | option<br>DDC30S-20-85 |
| Max. voltage/current for remote<br>signaling                       | 250 V/0.5 A (AC) / 30 V/3 A (DC)                                     |                        |                                       |                        |
| Wiring for remote signaling  | Max. 1.5 mm <sup>2</sup>   |                        |                                       |                        |
| Mounting   | Symmetrical rail 35 mm (EN60715)                                     |                        |                                       |                        |
| Operating temperature  | -40/+85°C  |                        |                                       |                        |
| Protection rating  | IP20   |                        |                                       |                        |
| Housing material   | Thermoplastic UL94-V0  |                        |                                       |                        |
| Spare unit   | MDDC30-65  | MDDC30-85              | MDDC30-65                             | MDDC30-85              |
| <b>Standards</b>   |  |                        |                                       |                        |
| Compliance   | prIEC 61643-41   |                        |                                       |                        |
| <b>Part number</b>   |  |                        |                                       |                        |
|  | 828110111  | 828110211              | 828110112                             | 828110212              |