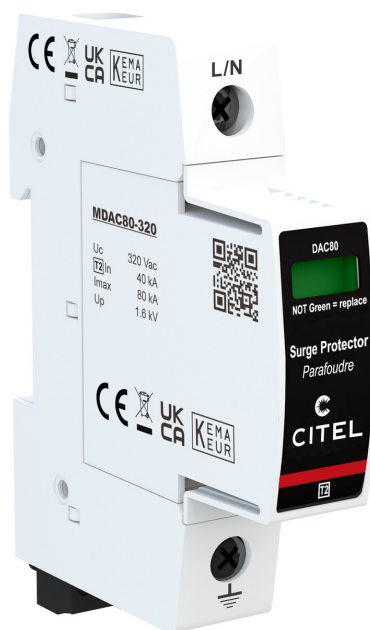




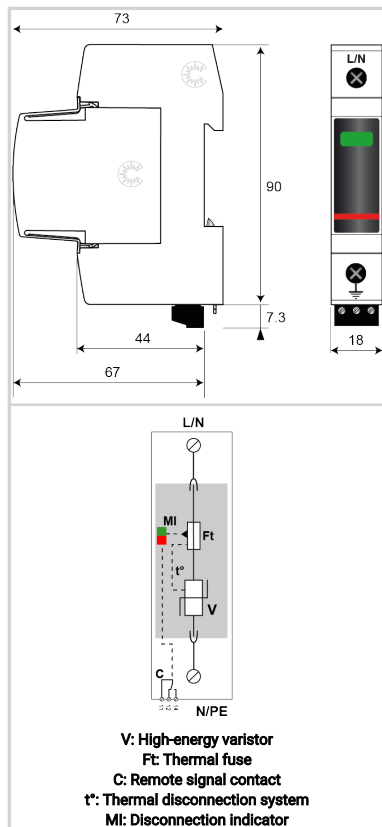
# CITEL

## Type 2 AC surge protector - Re-inforced - 1-pole - pluggable

### DAC80S-10-320



- Re-inforced Type 2 AC surge protector
- In: 40 kA
- Imax: 80 kA
- Pluggable module for each phase
- Remote signaling
- EN 61643-11, IEC 61643-11 certified
- UL1449 ed.5 compliance



#### Electrical Characteristics

|                                                                                                          |        |                       |
|----------------------------------------------------------------------------------------------------------|--------|-----------------------|
| SPD type                                                                                                 | IEC    | 2                     |
| Max. AC operating voltage                                                                                | Uc     | 320 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT     | 335 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT     | 440 Vac disconnection |
| Residual Current Leakage current to Ground                                                               | Ipe    | < 1 mA                |
| Follow current                                                                                           | If     | None                  |
| Nominal discharge current 15 x 8/20 $\mu$ s impulses                                                     | In     | 40 kA                 |
| Max. discharge current max. withstand @ 8/20 $\mu$ s by pole                                             | Imax   | 80 kA                 |
| Protection level @ In (8/20 $\mu$ s)                                                                     | Up     | 1.6 kV                |
| Residual voltage at 5 kA @ 5 kA (8/20 $\mu$ s)                                                           | Up-5kA | 1.1 kV                |
| Admissible short-circuit current                                                                         | Iscor  | 50 000 A              |

#### Mechanical Characteristics

|                                           |                                                                     |
|-------------------------------------------|---------------------------------------------------------------------|
| Technology                                | MOV                                                                 |
| SPD configuration                         | Single phase                                                        |
| Connection to Network                     | By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> rigid) |
| 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 AC network                                       |
| Disconnection indicator                   | 1 mechanical indicator - Red/Green                                  |
| Spare module(s)                           | MDAC80-320                                                          |
| Remote signaling of disconnection         | Output on changeover contact                                        |
| Max. Voltage/Current for remote signaling | 250 V / 0.5 A (AC) / 30 V / 3 A (DC)                                |
| Dimensions                                | See diagram - 1TE (EN43880)                                         |

#### Disconnectors

|                                   |                       |
|-----------------------------------|-----------------------|
| Thermal disconnector              | Internal              |
| Installation ground fault breaker | Type 'S' or delayed   |
| Back-up protection device         | Fuses Type gG - 125 A |

#### Standards

|                      |                                          |
|----------------------|------------------------------------------|
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification        | KEMA                                     |

#### Part number

821210321

