



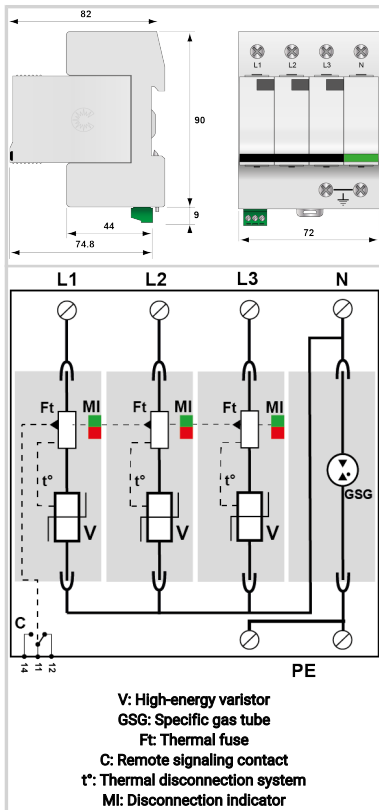
# CITEL

## Type 1+2 AC surge protector

### DS134RS-280/G



- ▶ Discover our latest innovation : the [DAC1-13S-31-320](#)
- ▶ Type 1 + 2 AC multipolar surge protector
- ▶ In : 20 kA
- ▶ Iimp total : 50 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 compliance



#### Electrical Characteristics

| SPD type   | IEC                    | 1+2                          |
|--|------------------------|------------------------------|
| Network  |                        | 480 V 3-phase                |
| AC system  |                        | TT-TNS                       |
| Nominal line voltage   | Un                     | 230 Vac                      |
| Max. AC operating voltage  | Uc                     | 280 Vac                      |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br><i>Without disconnection</i>                              | UT                     | 335 Vac withstand            |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br><i>Without disconnection or with safety disconnection</i> | UT                     | 440 Vac disconnection        |
| Temporary Over Voltage N/PE (TOV HT)<br><i>Without disconnection or with safety disconnection</i>                  | UT                     | 1200 V/300A/200 ms withstand |
| Follow current   | If                     | None                         |
| Nominal discharge current<br><i>15 x 8/20 μs impulses</i>  | In                     | 20 kA                        |
| Max. discharge current<br><i>max. withstand @ 8/20 μs by pole</i>  | I <sub>max</sub>       | 50 kA                        |
| Total Maximum discharge current<br><i>max. total withstand @ 8/20 μs</i>   | I <sub>max</sub> Total | 100 kA                       |
| Impulse current by pole<br><i>max. withstand 10/350 μs by pole</i>   | I <sub>imp</sub>       | 12.5 kA                      |
| Total lightning current<br><i>max. total withstand @ 10/350 μs</i>   | I <sub>total</sub>     | 50 kA                        |
| Withstand on overvoltages IEEE C62.41.1  |                        | 20 kV                        |
| Specific energy by pole<br><i>max. withstand 10/350 μs</i>   | W/R                    | 40 kJ/ohm                    |
| Connection mode(s)   |                        | L/N and N/PE                 |
| Protection mode(s)   |                        | Common/Differential mode     |
| Protection level L/N<br><i>@ In (8/20 μs)</i>  | Up L/N                 | 1.3 kV                       |
| Protection level N/PE<br><i>@ In (8/20 μs)</i>   | Up N/PE                | 1.5 kV                       |
| Admissible short-circuit current   | I <sub>sc</sub>        | 25 000 A                     |

#### Mechanical Characteristics

|                                   |    |  |
|-----------------------------------|----|--|
| Technology                        |    | MOV  |
| SPD configuration                 |    | 3-phase+Neutral                                    |
| Connection to Network             |    | By screw terminals: 2.5-25mm <sup>2</sup> / by bus |
| 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 by pole                     |
| Spare module(s)                   |    | DSM130R-280  |
| Remote signaling of disconnection |    | Output on changeover contact                       |
| Dimensions                        |    | See diagram  |

#### 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        |  |  |

#### Part number

571134

