



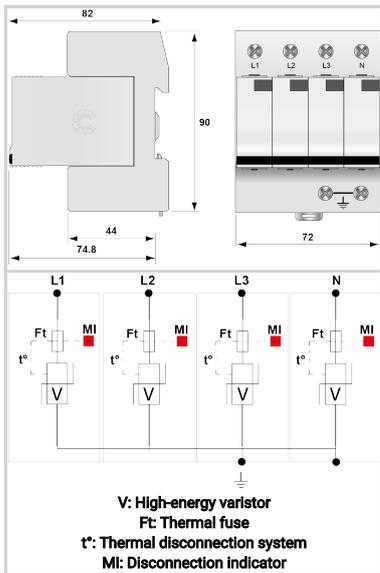
# CITEL

## Type 1+2 AC surge protector - 3-phase+N

### DS134R-120



- Discover our latest innovation : the [DAC1-13-40-150](#)
- Type 1 + 2 AC multipolar surge protector
- In : 20 kA
- Iimp total : 50 kA
- Pluggable module for each phase
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance



#### Electrical Characteristics

|  |                    |                       |
|--|--------------------|-----------------------|
| SPD type   | IEC                | 1+2                   |
| Network  |                    | 120/208 V 3-phase+N   |
| AC system  |                    | TNS                   |
| Nominal line voltage   | Un                 | 120 Vac               |
| Max. AC operating voltage  | Uc                 | 150 Vac               |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT                 | 180 Vac withstand     |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT                 | 230 Vac disconnection |
| Follow current   | If                 | None                  |
| Nominal discharge current<br>15 x 8/20 $\mu$ s impulses  | In                 | 20 kA                 |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole  | I <sub>max</sub>   | 50 kA                 |
| Impulse current by pole<br>max. withstand 10/350 $\mu$ s by pole   | I <sub>imp</sub>   | 12.5 kA               |
| Total lightning current<br>max. total withstand @ 10/350 $\mu$ s   | I <sub>total</sub> | 50 kA                 |
| Withstand on overvoltages IEEE C62.41.1  |                    | 20 kV                 |
| Specific energy by pole<br>max. withstand 10/350 $\mu$ s   | W/R                | 40 kJ/ohm             |
| Connection mode(s)   |                    | L/PE and N/PE         |
| Protection mode(s)   |                    | Common mode           |
| Protection level N/PE<br>@ In (8/20 $\mu$ s)   | Up N/PE            | 0.9 kV                |
| Protection level L/PE<br>@ In (8/20 $\mu$ s)   | Up L/PE            | 1.2 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-120  |
| Remote signaling of disconnection |    | option DS134RS-120 : 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

571604

