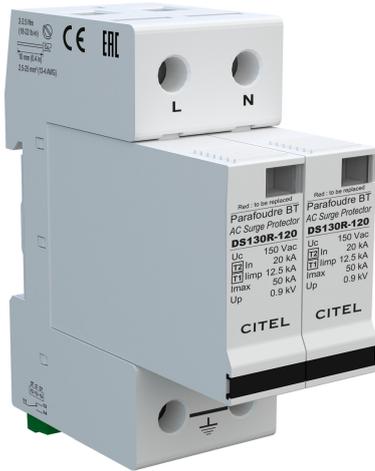




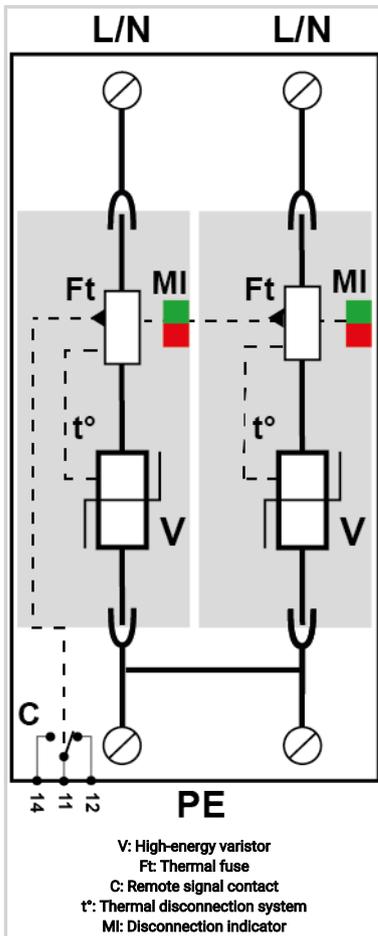
# CITEL



## Type 1+2 AC surge protector

### DS132RS-120

- ▶ Discover our latest innovation : the [DAC1-13S-20-150](#)
- ▶ Type 1 + 2 AC multipolar surge protector
- ▶ In : 20 kA
- ▶ Iimp total : 25 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 compliance



| Electrical Characteristics  |         |  |
|---|---------|--|
| SPD type  | IEC     | 1+2  |
| Network   |         | 120 V single-phase                                 |
| AC system   |         | TN   |
| Nominal line voltage  | Un      | 120 Vac  |
| Max. AC operating voltage   | Uc      | 150 Vac  |
| Temporary Over Voltage (TOV) Characteristics - 5 sec.<br>Without disconnection                              | UT      | 180 Vac withstand                                  |
| Temporary Over Voltage (TOV) Characteristics - 120 mn<br>Without disconnection or with safety disconnection | UT      | 230 Vac disconnection                              |
| Follow current  | if      | None   |
| Nominal discharge current<br>15 x 8/20 μs impulses  | In      | 20 kA  |
| Max. discharge current<br>max. withstand @ 8/20 μs by pole  | Imax    | 50 kA  |
| Impulse current by pole<br>max. withstand 10/350μs by pole  | Iimp    | 12.5 kA  |
| Total lightning current<br>max. total withstand @ 10/350μs  | Itotal  | 25 kA  |
| Withstand on overvoltages IEEE C62.41.1   |         | 20 kV  |
| Specific energy by pole<br>max. withstand 10/350 μs   | W/R     | 40 kJ/ohm  |
| Connection mode(s)  |         | L/PE and N/PE                                      |
| Protection mode(s)  |         | Common mode  |
| Protection level N/PE<br>@ In (8/20μs)  | Up N/PE | 0.9 kV   |
| Protection level L/PE<br>@ In (8/20μs)  | Up L/PE | 1.2 kV   |
| Admissible short-circuit current  | Iscrr   | 25 000 A   |
| Mechanical Characteristics  |         |  |
| Technology  |         | MOV  |
| SPD configuration   |         | Single phase                                       |
| 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   |         | 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   |         |  |
| <b>571612</b>   |         |  |

