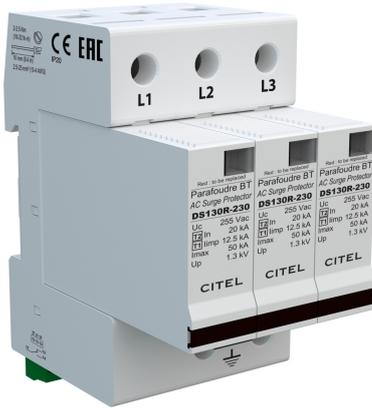




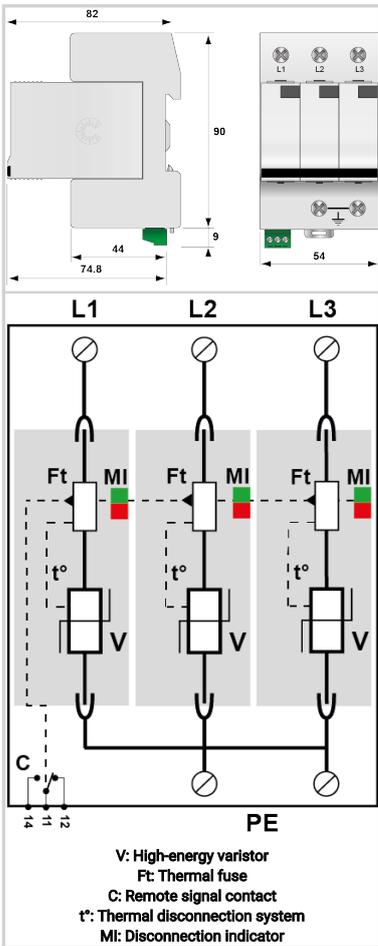
# CITEL

## Type 1+2 AC surge protector

### DS133RS-230



- › Discover our latest innovation : the [DAC1-13S-30-275](#)
- › Type 1 + 2 AC multipolar surge protector
- › In : 20 kA
- › Iimp total : 37.5 kA
- › Pluggable module for each phase
- › Remote signaling
- › EN 61643-11, IEC 61643-11 compliance



| Electrical Characteristics   |                    |  |
|--|--------------------|--|
| SPD type   | IEC                | 1+2  |
| Network  |                    | 230/400 V 3-phase                                  |
| AC system  |                    | TNC  |
| Nominal line voltage   | Un                 | 230 Vac  |
| Max. AC operating voltage  | Uc                 | 255 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                              |
| 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> | 37.5 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   |
| Protection mode(s)   |                    | Common mode  |
| Protection level L/PE<br>@ In (8/20 $\mu$ s)   | Up L/PE            | 1.3 kV   |
| Admissible short-circuit current   | I <sub>scrr</sub>  | 25 000 A   |
| Mechanical Characteristics   |                    |  |
| Technology   |                    | MOV  |
| SPD configuration  |                    | 3-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-230  |
| Remote signaling of disconnection  |                    | Output on changeover contact                       |
| Dimensions   |                    | See diagram  |
| Weight   |                    | 0.43 kg  |
| 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>571513</b>  |                    |  |

