



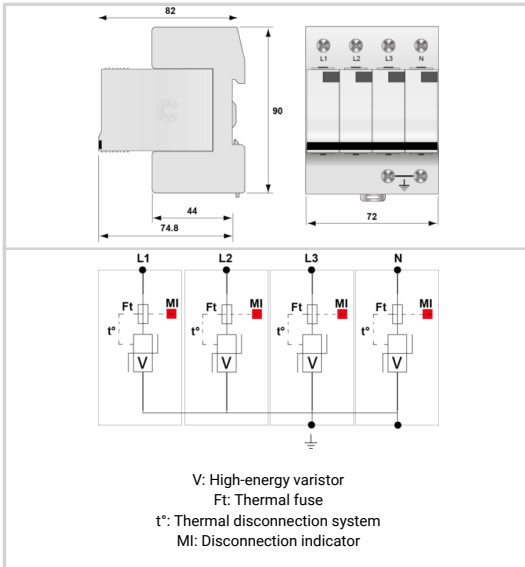
# Type 1+2 AC surge protector - 3-phase+N

# CITEL

## DS134R-400



- ↳ Discover our latest innovation : the [DAC1-13-40-440](#)
- ↳ 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   | 1+2  |
| Network  | 230/400 V 3-phase+N                                |
| AC system  | IT   |
| Nominal line voltage   | Un 400 Vac   |
| Max. AC operating voltage  | Uc 440 Vac   |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection                              | UT 580 Vac withstand                               |
| Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection | UT 770 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 10/350 μs by pole  | Iimp 12.5 kA                                       |
| Total lightning current<br>max. total withstand @ 10/350 μs  | Itotal 50 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 (8/20 μs)  | Up N/PE 1.7 kV                                     |
| Protection level L/PE<br>@ In (8/20 μs)  | Up L/PE 1.7 kV                                     |
| Admissible short-circuit current   | Iscrr 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-400  |
| Remote signaling of disconnection  | option DS134RS-400 : output on changeover contact  |
| Dimensions   | See diagram  |
| Weight   | 0.658 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  |  |
| 571404   |  |

