



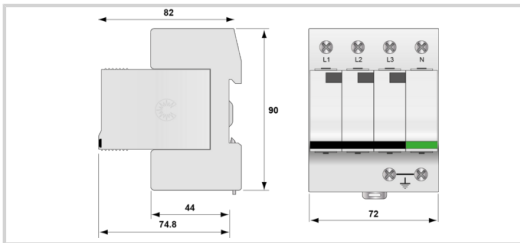
Type 1+2 AC surge protector - 3-phase+N

CITEL

DS134R-120/G



- Type 1 + 2 AC multipolar surge protector
- I_n : 20 kA
- I_{imp} 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 | 120/208 V 3-phase+N |
| AC system | TT-TNS |
| Nominal line voltage | U_n 120 Vac |
| Max. AC operating voltage | U_c 150 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT 180 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT 230 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i> | UT 1200 V/300A/200 ms withstand |
| Follow current | I_f None |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | I_n 20 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I_{max} 50 kA |
| Impulse current by pole <i>max. withstand 10/350μs by pole</i> | I_{imp} 12.5 kA |
| Total lightning current <i>max. total withstand @ 10/350μs</i> | I_{total} 50 kA |
| Withstand on overvoltages IEEE C62.41.1 | 20 kV |
| Specific energy by pole <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 <i>@ I_n (8/20μs)</i> | U_p L/N 0.9 kV |
| Protection level N/PE <i>@ I_n (8/20μs)</i> | U_p N/PE 1.5 kV |
| Admissible short-circuit current | I_{sc} 25 000 A |
| Mechanical Characteristics | |
| Technology | MOV |
| SPD configuration | 3-phase+Neutral |
| Connection to Network | By screw terminals: 2.5-25mm ² / by bus |
| Format | Plug-in modular box |
| Mounting | Symmetrical rail 35 mm (EN 60715) |
| Housing material | Thermoplastic UL94 V-0 |
| Operating temperature | T_u -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/G : output on changeover contact |
| Dimensions | See diagram |
| Disconnectors | |
| Thermal disconnecter | 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 | |
| 571624 | |

