



CITEL

DACF15-31-320



- Type 2 (or 3) AC surge protector
- Internal Disconnection device
- Low caliber of the internal connector = systematic coordination with upstream circuit breaker
- In : 5 kA
- I_{max} : 15 kA
- Pluggable module for each phase
- Remote signaling option
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|---------------------|---|
| SPD type | IEC | 2+3 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TT-TNS |
| Max. AC operating voltage | Uc | 320 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT | 335 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT | 440 Vac disconnection |
| Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i> | UT | 1200 V/300A/200 ms withstand |
| Residual Current <i>Leakage current to Ground</i> | I _{pe} | None |
| Follow current | I _f | None |
| Nominal discharge current <i>15 x 8/20 μs impulses</i> | I _n | 5 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 15 kA |
| Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i> | U _{oc} | 10 kV |
| Protection level L/N <i>@ I_n (8/20μs)</i> | U _p L/N | 1.2 kV |
| Protection level N/PE <i>@ I_n (8/20μs)</i> | U _p N/PE | 1.5 kV |
| Admissible short-circuit current | I _{sc} | 100 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 2.5-25mm ² (35mm ² rigid) |
| 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 - Red/Green |
| Spare module(s) | | MDACF15-320+MDAC50G-255 |
| Remote signaling of disconnection | | option DACF15S-31-320 : output on changeover contact |
| Wiring for remote signaling | | 1.5 mm ² max. |
| Dimensions | | See diagram - 1TE (EN43880) |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | internal (equivalent AC rating : 25 A, gG Type) |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 |
| Part number | | |
| 821310334 | | |

