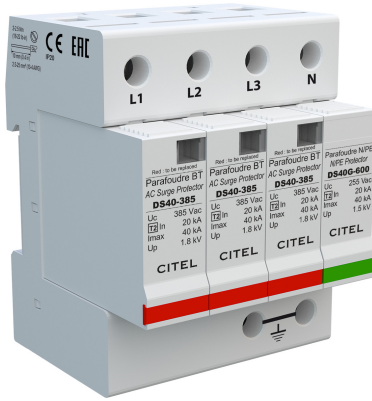




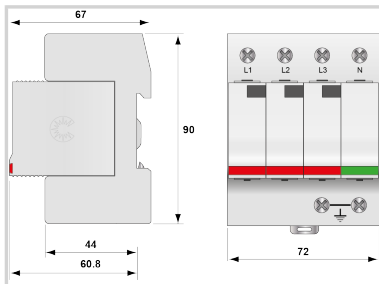
CITEL

Type 2 AC surge protector - 3-phase+N

DS44-385/G



- ▶ Discover our latest innovation : the [DAC50-31-440](#)
- ▶ Type 2 AC Multipolar surge protector
- ▶ In : 20 kA
- ▶ I_{max} total : 40 kA
- ▶ Pluggable module for each phase
- ▶ Remote signaling option
- ▶ EN 61643-11, IEC 61643-11 compliance
- ▶ UL1449 ed.5



| Electrical Characteristics | | |
|--|------------------------|--|
| SPD type | IEC | 2 |
| Network | | 230/400 V 3-phase+N |
| AC system | | TT-TNS |
| Nominal line voltage | U _n | 230 Vac |
| Max. AC operating voltage | U _c | 385 Vac |
| Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i> | UT | 500 Vac withstand |
| Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i> | UT | 650 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 | 20 kA |
| Max. discharge current <i>max. withstand @ 8/20 μs by pole</i> | I _{max} | 40 kA |
| Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i> | I _{max} Total | 40 kA |
| Connection mode(s) | | L/N and N/PE |
| Protection mode(s) | | Common/Differential mode |
| Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i> | Up-5kA | 0.9 kV |
| Protection level L/N <i>@ I_n (8/20μs)</i> | Up L/N | 1.8 kV |
| Protection level N/PE <i>@ I_n (8/20μs)</i> | Up N/PE | 1.5 kV |
| Admissible short-circuit current | I _{sc} | 25 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| 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) | | DSM40-385+DSM40G-600 |
| Remote signaling of disconnection | | option DS44S-385/G: 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 - 50 A |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | UL Recognized |
| Part number | | |
| 461212 | | |

