



CITEL



Compact 3-phase+N Type 2 surge protector - 120 V - Pluggable

DSM440-230/G

- ▶ Compact 3-Phase Type 2 surge protector
- ▶ In : 20 kA
- ▶ I_{max} : 40 kA
- ▶ Common/Differential mode
- ▶ Pluggable module
- ▶ Remote Signaling contact
- ▶ EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



| Electrical Characteristics | | |
|--|---------------------------|---|
| SPD type | IEC | 2 |
| Network | | 230/400 V 3-phase |
| AC system | | TT-TN |
| Nominal line voltage | U _n | 230 Vac |
| Max. AC operating voltage | U _c | 255 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 | 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 (8/20 μs)</i> | Up-5kA | 1.5/0.9 kV |
| Protection level L/N <i>@ I_n (8/20 μs)</i> | Up L/N | 1.25 kV |
| Protection level N/PE <i>@ I_n (8/20 μs)</i> | Up N/PE | 1.5 kV |
| Protection level CM/DM <i>@ I_n (8/20 μs)</i> | Up mc /md | 1.5/1.25 kV |
| Admissible short-circuit current | I _{scrr} | 10 000 A |
| Mechanical Characteristics | | |
| Technology | | MOV |
| SPD configuration | | 3-phase+Neutral |
| Connection to Network | | By screw terminals: 1.5-10mm ² (L/N) or 2.5-25mm ² (PE) |
| 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 | | 3 mechanical indicators |
| Remote signaling of disconnection | | Output on changeover contact |
| Dimensions | | See diagram |
| Weight | | 0.217 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Installation ground fault breaker | | Type 'S' or delayed |
| Back-up protection device | | 50 A min. - 125 A max. - Fuses Type gG |
| Standards | | |
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Certification | | |
| Part number | | |
| 3117000 | | |

