

Type 1 + 2 + 3 SPD DGV 440 + DI (C2)

| Designation | DGV 440(x3) + DI | |
|---|--|--|
| Part Number | P8312J + P8307J | |
| Electrical Characteristics | | |
| SPD type | 1+2+3 | |
| Technology | MOV + GSG | |
| SPD configuration | 3Ph + N | |
| Connection mode | C2 (3+1) | |
| Network nominal voltage | 230/400V | |
| Neutral configuration | TT – TNS | |
| Max. AC operating system | U_C | 440 Vac |
| Temporary Over Voltage (TOV) 5sec. | U_T | 580 Vac withstand |
| Temporary Over Voltage (TOV) 120 mn | U_T | 770 Vac withstand |
| Leakage current | I_{pe} | None |
| Follow current | I_f | None |
| Max. impulse current by pole | I_{imp} | 25 kA (with fuse SFD1-25 or 315A gG) |
| Max. withstand 10/350μs | | 12,5 kA (with fuse SFD1-13 or 125A gG) |
| Nominal discharge current 15 x 8/20μs impulses | I_n | 30 kA |
| Max. discharge current | I_{max} | 70 kA |
| Max. withstand @ 8/20μs | | |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs | U_{oc} | 20 kV |
| Protection level@ I_n (8/20μs) and @ 6 kV (1,2/50 μs) | U_p | 1,5 kV |
| Residual voltage @ I_n (8/20 μs) | U_p I_n | 1,1 kV |
| Residual voltage at 5 kA @ 5 kA (8/20μs) | U_p 5kA | 1 kV |
| Admissible short-circuit current | I_{scrr} | 50 000 A (with fuse SFD1-25 ou 315A gG) |
| | | 100 000 A (with fuse SFD1-13 ou 125A gG) |
| Associated disconnectors | | |
| Thermal disconnector | Internal | |
| Fuses | 125 A min. – 315 A max. or SFD1-13 – SFD1-25 | |
| Installation ground fault breaker | Type "S" ou delayed | |
| Mechanical Characteristics | | |
| Connection to Network | By screw terminals: 6-35mm ² | |
| Format | Modular box | |
| Mounting | Symmetrical rail 35 mm (EN 60715) | |
| Housing material | Thermoplastic UL94 V-0 | |
| Operating temperature | Tu | -40°C /+85°C |
| Protection rating | IP20 | |
| Failsafe mode | Disconnection from AC network | |
| Disconnection indicator | Mechanical indicator | |
| Remote signaling of disconnection | Output on changeover contact | |
| Dimensions EN43880 (see diagram in mm) | 2TE | |
| Standards compliance | IEC 61643-11 / NF EN 61643-11 | |

