

Type 2 + 3 SPD

DMZ 255 Single phase

Designation

Part number

Electrical characteristics

| | | |
|----------------------------------|------------|---------------------------------|
| Technology | | Specific gas discharge tube |
| Number of pole | | 2 – Ph+N |
| Network nominal voltage | | 230v |
| Protection mode | | C2 |
| Neutral configuration | | TN |
| Max. AC operating system | U_c | 255 Vac |
| Temporary Over Voltage (TOV) | UT | 335 Vac/5 s withstand |
| Temporary Over Voltage (TOV) | UT | 440 Vac/120mn disconnection |
| Leakage current | I_{pe} | <1mA |
| Max. line current | IL | 16 A |
| Follow current | I_f | Without |
| Nominal Impulse current | I_n | 5 kA |
| Max. withstand 10/350µs | | |
| Nominal discharge current | I_n | 20 kA |
| 15 x 8/20µs impulses | | |
| Max. discharge current | I_{max} | 10 KA |
| Max. withstand @ 8/20µs | | |
| Protection level (@In) | U_p | 1.5kV (L/PE or N/PE) 1 kV (L/N) |
| Admissible short-circuit current | I_{sccr} | 10 000 A |

Associated disconnectors

| | |
|-----------------------------------|---------------------------|
| Thermal disconnector | internal |
| Fuses | Fuses type gG – 20 A max. |
| Installation ground fault breaker | Type "S" or delayed |

Mechanical characteristics

| | |
|-----------------------------------|-----------------------------------|
| Connection | by screw : 2.5mm ² max |
| Disconnection indicator | LED indicator |
| Remote signaling of disconnection | output on changeover contact |
| Mounting | DIN rail 35mm |
| Operating temperature | -40°C/+85°C |
| Ingress Protection | IP20 |

Standards compliance

IEC 61 643-1 (international) Low voltage SPD – test class II and III
 EN 61 643-11 (Europe) Low voltage SPD – test class II and II I
 NF EN 61 643-11 / UL1449 ed.4

V : High energy MOV
 MI : Disconnection indicator
 Ft : Thermal fuse
 t°: Thermal disconnection mechanism
 C : Contact for remote signaling

