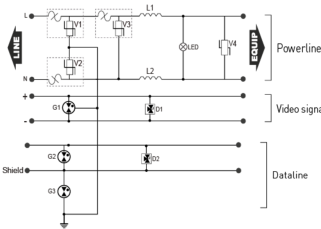
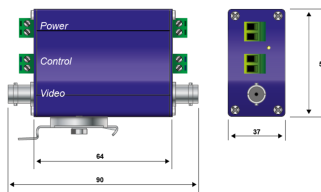


MSP-VM230



G: Gas tube
 D: Clamping diode network
 V: Varistor
 LED: Status indicator
 L: Inductor

| Electrical Characteristics | | |
|---|------------------|---|
| SPD type | IEC | 2+3 |
| Network | | 230 V single-phase |
| Max. DC operating voltage | Uc | 255 Vdc |
| Insertion loss | | < 0.1 dB |
| Max. load current @25°C | IL | 5 A |
| Nominal discharge current 15 x 8/20 µs impulses | In | 5 kA |
| Max. discharge current max. withstand @ 8/20 µs by pole | I _{max} | 10 kA |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs | Uoc | 10 kV / 5 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection level @ In (8/20µs) | Up | 1.2 kV |
| Protection Level C3 (10/1000µs), 300 applications@10 A, X-X (Line/Line) | Up | 1.2 kV |
| Protection level C3 (10/1000µs), 300 applications@10 A, X-C (Line/Earth) | Up | 1.2 kV |
| Nominal discharge current C2 Category | In | 2.5 kA |
| ELEC | | |
| Max. frequency | f max. | 100 Mhz |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminals: 2.5mm ² max. |
| Format | | DIN rail or flange |
| Mounting | | DIN rail or plate (flange) |
| Housing material | | Anodized aluminum |
| Operating temperature | Tu | -40/+85°C |
| Protection rating | | IP20 |
| Failsafe mode | | Disconnection and Power cut off |
| Disconnection indicator | | Green LED OFF and line cut off |
| Voltage/operating indicator | | Green led(s) on |
| Dimensions | | See diagram |
| Weight | | 0.163 kg |
| Disconnectors | | |
| Thermal disconnector | | Internal |
| Standards | | |
| Standards compliance | | IEC 61643-21 / EN 61643-21 |
| Part number | | |
| 420401 | | |