

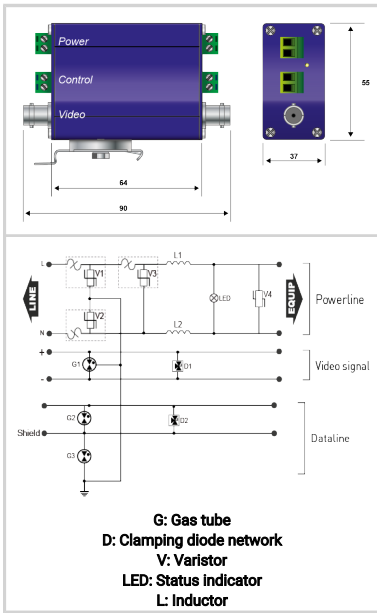


CITEL



Protection of video surveillance systems against overvoltages

MSP-VM24



| Electrical Characteristics | | |
|---|---------|---------------------------------|
| SPD type | IEC | 2+3 |
| Network | | 24 Vac/Vdc |
| Nominal line voltage | Un | 24 Vac/Vdc |
| Max. DC operating voltage | Uc | 30 Vac/Vdc |
| Insertion loss | | < 0.1 dB |
| Max. load current @25°C | IL | 300 mA |
| 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 | Imax | 10 kA |
| Nominal discharge current C2 Category | In | 2.5 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 | 0.22 kV |
| Protection Level C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line) | Up | 20 V |
| Protection Level C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth) | Up | 20 V |
| Protection level L/N @ In (8/20μs) | Up L/N | 0.22 kV |
| Protection level L/PE @ In (8/20μs) | Up L/PE | 0.22 kV |
| ELEC | | |
| Network | | Signal video |
| ELEC | | |
| Max. DC operating voltage | Uc | 6 Vdc |
| ELEC | | |
| Max. frequency | f max. | 100 Mhz |
| ELEC | | |
| Insertion loss | | < 1dB |
| ELEC | | |
| Protection level @ In (8/20μs) | Up | 20 V |
| ELEC | | |
| Network | | 1 pair signal 0-5 V |
| ELEC | | |
| Max. DC operating voltage | Uc | 8 Vdc |
| ELEC | | |
| Max. frequency | f max. | 16 MHz |
| ELEC | | |
| Insertion loss | | < 1dB |
| ELEC | | |
| Max. discharge current max. withstand @ 8/20 μs by pole | Imax | 5 kA |
| ELEC | | |
| Nominal discharge current C2 Category | In | 2.5 kA |
| ELEC | | |
| Protection level @ In (8/20μs) | Up | 20 V |
| Mechanical Characteristics | | |
| Technology | | MOV+GDT |
| Connection to Network | | By screw terminals: 2.5mm² 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 |



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MSP-VM24

| | |
|-------------------------|--|
| Disconnection indicator | Green LED OFF and line cut off |
| Operating indicator | Green led(s) on |
| Dimensions | See diagram |
| Weight | 0.184 kg |
| Disconnectors | |
| Thermal disconnector | Internal |
| Standards | |
| Standards compliance | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| Part number | |
| 420402 | |

