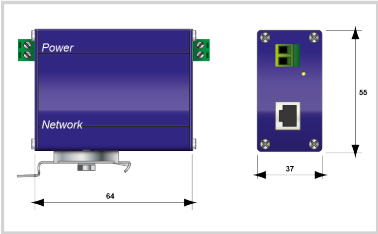
# MSP-VM24/R

- Security camera surge protector
- AC + Cat.5 (connector RJ45)
- Compact aluminium housing
- Rail DIN mounting or plate

CE




| 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 | | < 1 dB |
| Max. load current @25°C | IL | 300 mA |
| Max. load current @25°C | IL | 5 A |
| Nominal discharge current<br>*15 x 8/20 µs impulses* | In | 5 kA |
| Max. discharge current<br>*max. withstand @ 8/20 µs by pole* | Imax | 10 kA |
| Nominal discharge current<br>*C2 Category* | In | 2.5 kA |
| Withstand on Combination waveform IEC 61643-11<br>*Class III test: 1.2/50µs - 8/20µs* | Uoc | 10 kV / 5 kA |
| Protection mode(s) | | Common/Differential mode |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-Y (Line/Line)* | Up | 220 V |
| Protection Level<br>*C3 (10/1000µs), 300 applications@10 A, Y-C (Line/Earth)* | Up | 220 V |
| Protection level L/N<br>*@ In (8/20µs)* | Up L/N | 20 V |
| Protection level L/PE<br>*@ In (8/20µs)* | Up L/PE | 20 V |
| **ELEC** | | |
| Protection level *@ In (8/20µs)* | Up | 20 V |
| **ELEC** | | |
| Network | | 4 pairs Ethernet 100 Base-TX |
| **ELEC** | | |
| Max. DC operating voltage | Uc | 8 Vdc |
| **ELEC** | | |
| Max. frequency | f max. | 125 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 |
| **ELEC** | | |
| Protection level L/N *@ In (8/20µs)* | Up L/N | 20 V |
| **ELEC** | | |
| Protection level L/PE *@ In (8/20µs)* | Up L/PE | 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 |
| Disconnection indicator | | Green LED OFF and line cut off |
| Operating indicator | | Green Led ON |
| Dimensions | | See diagram |
| **Disconnectors** | | |
| Thermal disconnector | | Internal |
| **Standards** | | |

# MSP-VM24/R

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|---|---|---|
| Standards compliance | | IEC 61643-11 / EN 61643-11 / UL1449 ed.5 |
| **Part number** | | |
| **420412** | | |