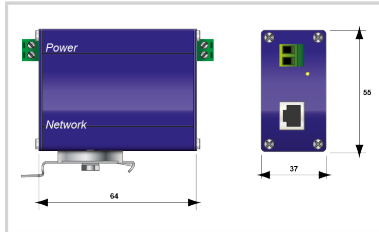




# CITEL



## MSP-VM12/R

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



Electrical Characteristics		
SPD type	IEC	2+3
Network		12 Vac/Vdc
Nominal line voltage	Un	12 Vac/Vdc
Max. DC operating voltage	Uc	15 Vac/Vdc
Insertion loss		< 1 dB
Max. load current @25°C	IL	5 A
Max. load current @25°C	IL	300 mA
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	10 kA
Nominal discharge current <i>C2 Category</i>	In	2.5 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	Uoc	10 kV / 5 kA
Protection mode(s)		Common/Differential mode
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-Y (Line/Line)</i>	Up	220 V
Protection Level <i>C3 (10/1000μs), 300 applications@10 A, Y-C (Line/Earth)</i>	Up	220 V
Protection level L/N <i>@ In (8/20μs)</i>	Up L/N	20 V
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE	20 V
<b>ELEC</b>		
Protection level @ In (8/20μs)	Up	20 V
<b>ELEC</b>		
Network		4 pairs Ethernet 100 Base-TX
<b>ELEC</b>		
Max. DC operating voltage	Uc	8 Vdc
<b>ELEC</b>		
Max. frequency	f max.	125 MHz
<b>ELEC</b>		
Insertion loss		< 1dB
<b>ELEC</b>		
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	5 kA
<b>ELEC</b>		
Nominal discharge current <i>C2 Category</i>	In	2.5 kA
<b>ELEC</b>		
Protection level @ In (8/20μs)	Up	20 V
<b>ELEC</b>		
Protection level L/N @ In (8/20μs)	Up L/N	20 V
<b>ELEC</b>		
Protection level L/PE @ In (8/20μs)	Up L/PE	20 V
<b>Mechanical Characteristics</b>		
Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5mm <sup>2</sup> 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
<b>Disconnectors</b>		
Thermal disconnector		Internal
<b>Standards</b>		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5



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MSP-VM12/R

Part number

420413

