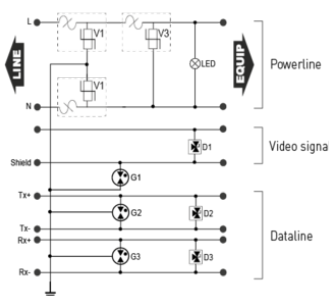
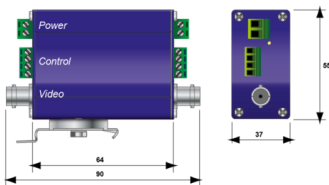




# CITEL

## MSP-VM12-2P



G: Gas discharge tube  
 V: Varistor  
 D: Clamping diode network  
 LED: Indicator

### Electrical Characteristics

Network		12 Vac/Vdc
AC system		TT-TN
Max. DC operating voltage	Uc	15 Vac/Vdc
Max. frequency	f max.	16 MHz
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	Imax	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	0.22 kV
Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	0.22 kV

### ELEC

Network		Signal video
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### ELEC

Max. DC operating voltage	Uc	6 Vdc
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### ELEC

Max. frequency	f max.	16 MHz
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### ELEC

Insertion loss		< 1dB
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### ELEC

Max. load current@25°C	IL	300 mA
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### ELEC

Nominal discharge current 15 x 8/20 µs impulses	In	5 kA
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### ELEC

Max. discharge current max. withstand @ 8/20 µs by pole	Imax	10 kA
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### ELEC

Protection level @ In (8/20µs)	Up	20 V
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### ELEC

Network		2 pairs signal 0-5 V
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### ELEC

Max. DC operating voltage	Uc	8 Vdc
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### ELEC

Max. frequency	f max.	16 MHz
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### ELEC

Insertion loss		< 1dB
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### ELEC

Max. load current@25°C	IL	300 mA
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### ELEC

Nominal discharge current 15 x 8/20 µs impulses	In	2.5 kA
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### ELEC

Max. discharge current max. withstand @ 8/20 µs by pole	Imax	5 kA
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### ELEC

Protection level @ In (8/20µs)	Up	20 V
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### 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		Green LED OFF and line cut-off
Disconnection indicator		LED green OFF and AC network cut-off

Dimensions	See diagram
Standards	
Standards compliance	IEC 61643-21 / EN 61643-21
Part number	
420433	