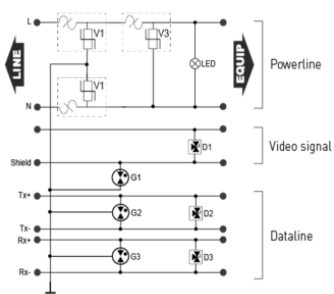
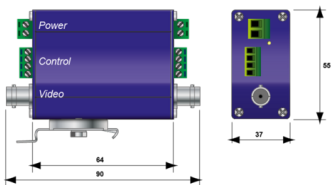




CITEL

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 @ In (8/20 μs)	Up L/L	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
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Connection to Network		By screw terminals: 2.5mm <sup>2</sup> max.
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Format		DIN rail or flange
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Mounting		DIN rail or plate (flange)
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Housing material		Anodized aluminum
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Operating temperature	Tu	-40/+85°C
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Protection rating		IP20
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Failsafe mode		Green LED OFF and line cut-off
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Disconnection indicator		LED green OFF and AC network cut-off
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Dimensions	See diagram
Standards	
Standards compliance	IEC 61643-21 / EN 61643-21
Part number	
420433	