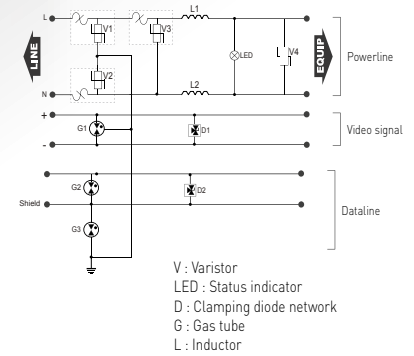
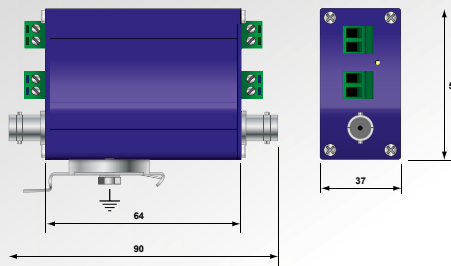


Surge Protector for Video Survey Camera MSP-VM Series



CITEL



Characteristics

		MSP-VM Range		
CITEL Model		MSP-VM12	MSP-VM24	MSP-VM230
Description		Surge protector for video survey camera Power/ Data/Video		
AC power specifications				
Network		12 Vac/Vdc	24 Vac/Vdc	230 V single phase
AC system		-	-	TT-TN
Protection mode(s)		CM/DM	CM/DM	CM/DM
Max. DC operating voltage	Uc	15 Vac/Vdc	30 Vac/Vdc	255 Vdc
Max. Load current	IL	5 A	5 A	5 A
Residual current <i>- Leakage current at Uc</i>	Ic	None	None	None
Nominal discharge current	In	5 kA	5 kA	5 kA
Max. discharge current <i>-max. withstand @ 8/20 µs by pole</i>	I _{max}	10 kA	10 kA	10 kA
Withstand on Combination waveform <i>- Class III test</i>	Uoc	10 kV/5 kA	10 kV/5 kA	10 kV/5 kA
Protection level	Up	0.22 kV	0.22 kV	1.2 kV
Disconnection indicator		Green LED OFF and line cut-off		
Connection to Network		screw terminal 2.5 mm² max		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4		
Dataline specifications				
Network		1 pair signal 0-5 V	1 paire signal 0-5 V	1 pair signal 0-5 V
Max. DC operating voltage	Uc	8 Vdc	8 Vdc	8 Vdc
Max. Load current	IL	300 mA	300 mA	300 mA
Max. frequency	f max	10 MHz	10 MHz	16 MHz
Insertion loss		< 1dB	< 1dB	< 1dB
Nominal discharge current	In	2.5 kA	2.5 kA	2.5 kA
Max. discharge current <i>-max. withstand @ 8/20 µs by pole</i>	I _{max}	5 kA	5 kA	5 kA
Protection level	Up	20 V	20 V	20 V
Disconnection indicator		interruption of transmission		
Connection to Network		screw terminal 1.5 mm² max		
Standards compliance		IEC 61643-21 / EN 61643-21		
Videoline specifications				
Network		signal video	signal video	signal video
Max. DC operating voltage	Uc	6 Vdc	6 Vdc	6 Vdc
Max. Load current	IL	300 mA	300 mA	300 mA
Max. frequency	f max	100 MHz	100 MHz	100 MHz
Insertion loss		< 1dB	< 1dB	< 1dB
Nominal discharge current	In	5 kA	5 kA	5 kA
Max. discharge current <i>-max. withstand @ 8/20 µs by pole</i>	I _{max}	10 kA	10 kA	10 kA
Protection level	Up	20 V	20 V	20 V
Disconnection indicator		interruption of transmission		
Connection to Network		connector BNC female		
Standards compliance		IEC 61643-21 / EN 61643-21		
Mechanical characteristics				
Dimensions		see diagram		
Mounting		DIN rail or plate (flange)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		anodized aluminum		
Part number		420403	420402	420401

- Security camera Surge Protector
- AC + Coaxial video + Data 1 pair
- Compact aluminium housing
- Rail DIN mounting or plate mounting