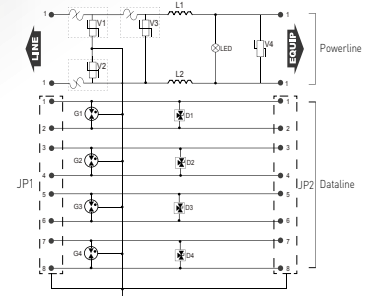
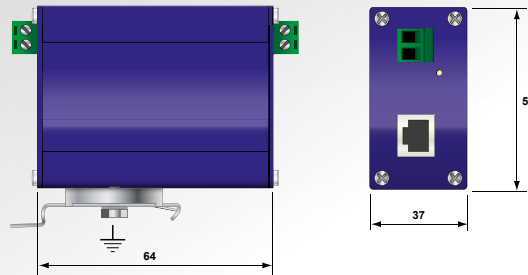


Surge Protector for Video Survey Camera MSP-VM/R Series



CITEL



V : Varistor
LED : Status indicator
D : Clamping diode network
G : Gas tube
L : Inductor

- Security camera Surge Protector
- AC + Cat.5 - RJ45 in single unit
- Compact aluminium housing
- Rail DIN mounting or plate mounting

Characteristics

		MSP-VM/R range			
CITEL Model		MSP-VM12/R	MSP-VM24/R	MSP-VM120/R	MSP-VM230/R
Description		Surge protector for video survey camera Power/data			
AC power specifications					
Network		12 Vac/Vdc	24 Vac/Vdc	120 V single phase	230 V single phase
AC system		-	-	TT-TN	TT-TN
Protection mode(s)		CM/DM	CM/DM	CM/DM	CM/DM
Max. DC operating voltage	Uc	15 Vac/Vdc	30 Vac/Vdc	150 Vdc	255 Vdc
Max. Load current	IL	5 A	5 A	5 A	5 A
Residual current	Ic	None	None	None	None
- Leakage current at Uc					
Nominal discharge current	In	5 kA	5 kA	5 kA	5 kA
Max. discharge current	I _{max}	10 kA	10 kA	10 kA	10 kA
-max. withstand t _{8/20} μs by pole					
Withstand on Combination waveform	Uoc	10 kV/5 kA	10 kV/5 kA	10 kV/5 kA	10 kV/5 kA
- Class III test					
Protection level	Up	0.22 kV	0.22 kV	0.8 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		4 pairs signal 0-5 V	4 pairs signal 0-5 V	4 pairs s ignal 0-5 V	4 pairs signal 0-5 V
Max. DC operating voltage	Uc	8 Vdc	8 Vdc	8 Vdc	8 Vdc
Max. Load current	IL	300 mA	300 mA	300 mA	300 mA
Max. frequency	f max	16 MHz	16 MHz	16 MHz	16 MHz
Insertion loss		< 1dB	< 1dB	< 1dB	< 1dB
Nominal discharge current	In	2.5 kA	2.5 kA	2.5 kA	2.5 kA
Max. discharge current	I _{max}	5 kA	5 kA	5 kA	5 kA
-max. withstand t _{8/20} μs by pole					
Protection level	Up	20 V	20 V	20 V	20 V
Disconnection indicator		interruption of transmission			
Connection to Network		RJ45 shielded			
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		420413	420412	420414	420411