



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

Electrical Characteristics

Network		230 V single-phase
AC system		TT-TN
Max. DC operating voltage	Uc	255 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	1.2 kV
Protection level Following the test category C3 (IEC61643-21) - Line/Line	Up	20 V

ELEC

Network		Signal video
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Max. DC operating voltage	Uc	6 Vdc
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Max. frequency	f max.	100 Mhz
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Insertion loss		< 1dB
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Max. load current@25°C	IL	300 mA
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Nominal discharge current 15 x 8/20 µs impulses	In	5 kA
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Max. discharge current max. withstand @ 8/20 µs by pole	Imax	10 kA
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Protection level @ In (8/20µs)	Up	20 V
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Network		2 pairs signal 0-5 V
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Max. DC operating voltage	Uc	8 Vdc
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Max. frequency	f max.	16 Mhz
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Insertion loss		< 1dB
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Max. load current@25°C	IL	300 mA
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Nominal discharge current 15 x 8/20 µs impulses	In	2.5 kA
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Max. discharge current max. withstand @ 8/20 µs by pole	Imax	5 kA
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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
Weight	0.176 kg
Standards	
Standards compliance	IEC 61643-21 / EN 61643-21 / UL1449 ed.5
Part number	
420431	