

SURMA15 Power Surge Diverter

N-type coaxial cable surge protection



Description

The MA15 Surge Diverter combines surge protection with transient filtering and ring-dampening, and is designed to protect the AC/DC input of electronic equipment from surge voltages. Thermal fusing and short circuit protection are also incorporated. In addition power-on and protection preset is indicated by LED indication.

For currents greater than 15A, multiple MA15 units can be commissioned in parallel for increased surge protection.

Note: Surge Protection Devices rely on good earth grounding practices to be effective. This product assumes both a metallic enclosure and good ground connection to the enclosure. If in doubt, apply another earth ground under the locknut to create a sufficient earth ground.

Warning: Do not stand near or touch operating equipment during an electrical storm as the MA15 will not protect personnel.

Specifications

SPECIFICATION	DESCRIPTION
Parameters	
Lines Protected	L-N, L-E, N-E
Working Voltage	120VAC/140VDC: MA15/D/1 240VAC/280VDC: MA15/D/2
Max Continuous Voltage	25% Above Nominal
Nominal Current	120V @ 15A/240V @ 10A, Unlimited Parallel Connection
Max Surge Current	18kA (8/20us)
Limit voltage @ 500A ring	295V (120Vac), 356V (240Vac)
Limit voltage @ 500A 8/20μS	320V (120Vac), 800V (240Vac)
Limit voltage @ 3kA 8/20μS	585V (120Vac), 1210V (240Vac)
Max Leakage Current	<0.3mA
Attenuation	55dB @ 100MHz
Compliance	
EMC	EN 60950, EN 61000-6-2
Safety	UL 1449
Hazardous area	ATEX EEx ia IIC T4
General	
Size	0.98" x 3.11" x 3.58" (25mm x 79mm x 91mm)
Housing	Polymide-PA, with G- or T-section (Top-hat) DIN Rail Mounting Foot UL94-V0
Mounting	T-section DIN rail 1.4" x 0.6" (35mm x 15mm)
Terminal Block	2.5mm ² (12AWG, 0.09 in ²)
Temperature	-40 to +185°F (-40 to +85°C)
Humidity	5-95% noncondensing
Weight	3.5 oz (100g)

Ordering

PRODUCT CODE	DESCRIPTION
MA15/D/1/SI	120Vac/140Vdc
MA15/D/2/SI	240Vac/280Vdc

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