

MMS Series Surge Suppressors

Standard, Rotating Outlet, and Slimline Series

Minuteman Value for Non-Critical Equipment

Minuteman Power Technologies' line of MMS Series Surge Suppressors offer the value and features customers demand, and provide the opportunity to build a complete protection system with a single trusted name.

Three product lines are available, each offering protection from spikes and surges along with unique features that solve problems such as transformer blocks, wall-mounting, and child safety.

Standard Series

- 1 & 3 outlet wall taps, 6 & 7 outlet strips
- Child safety covers on MMS370 & MMS370T
- Up to 1440J of surge protection
- Coax, network/phone line protection on select models
- Up to \$75,000 connected equipment protection
- Limited Lifetime Warranty (2-year on MMS362P)



MMS110 & MMS130C

MMS362P 'Twin Pack'

MMS370 & MMS370T

MMS570

Model Number Feature Codes

C Coax Protection



S Slimline Design

Telephone/Fax/Network Protection

Rotating Outlet Series

Minuteman 'R' models feature 90° or 180° rotating outlets which accomodate multiple transformer blocks, making wasted outlets a thing of the past. Select models also feature cord management provisions, allowing for organized clutterfree installation.

- 6 outlet wall tap, 8, 10, or 12 outlet strips
- · Rotating outlets allow multiple transformer blocks to be connected without covering multiple spaces
- Up to 4320J of surge protection
- Coax, network/phone line protection on select models
- Cord management feature on select models
- Up to \$200,000 connected equipment protection
- Limited Lifetime Warranty





NEW MMS Slimline Series

Minuteman's newest surge suppressor line, the 'S' slimline series provides maximum protection in a sleek, attractive package. These units are designed to fit into tight spaces, and are the perfect solution for cramped media centers, desks, and wall-mounted tvs.

- 3 & 6 outlet wall taps, 6 & 8 outlet strips
- Rotating outlet/Rotating Coax on MMS130RC
- Up to 3420J of surge protection
- Coax, network/phone line protection on select models
- Up to \$200,000 connected equipment protection
- Limited Lifetime Warranty



Perfect protection for wall-mounted TVs!

Learn more about the slimline series at http://www.minutemanups.com/slimline







MMS664S





MMS660S



Minuteman® MMS Series Surge Suppressors

MMS Model Number	MMS110	MMS130C	MMS362P	MMS370	MMS370T	MMS570	MMS760RCT
Electrical rating	15A, 120V, 1800 Watts	15A, 120V, 1800 Wa	tts 15A, 120V, 1800 Watts	15A, 120V, 1800 Watts	15A, 120V, 1800 Watts	15A, 120V, 1800 Watt	s 15A, 120V, 1800 Watts
Joule rating	540J	1080J	241J	1080J	1440J	1440J	2160J
Outlet quantity	1	3	6	7	7	7	6
Rotating outlets	-	-	-	-	-	-	6
Receptacle covers	-	-	-	Yes	Yes	-	-
Surge protection mode	L-N, L-G, N-G	L-N, L-G, N-G	L-N	L-N, L-G, N-G	L-N, L-G, N-G	L-N, L-G, N-G	L-N, L-G, N-G
UL clamping voltage	500V	400V	800V	400V	400V	400V	330V, 400V, 400V
Maximum peak current	36,000A	72,000A	12,000A	72,000A/96,000A	72,000A/96,000A	84,000A	144,000A
Max spike voltage	6KV	6KV	6KV	6KV	6KV	6KV	6KV
EMI/RFI Frequency	150KHz-100MHz	150KHz-100MHz	=	150KHz-100MHz	150KHz-100MHz	150KHz-100MHz	150KHz-100MHz
noise filter Attenuation	Up to 40dB	Up to 40dB	-	Up to 40dB	Up to 40dB	Up to 40dB	Up to 40dB
Telephone Jack type	-	-	-	-	RJ11/6P2C (1in/1out)	-	RJ11/6P2C (1 in / 2 out)
Fax Energy	-	-	-	-	160J	-	160J
Modem Line protection	-	-	-	=	1 Line	-	1 Line
Surge arrestor	-	Gas Tube	-	=	=	-	Gas Tube
DSS/Coax Breakdown volts	-	< 75V	-	=	=	-	< 75V
protection Insertion loss	-	< 0.1dB	-	-	-	-	< 0.1dB
Line protection	-	1 Line	-	-	-	-	1 Line
Power cord length	-	-	3 ft.	6 ft.	6 ft.	9 ft.	-
Surge protected indicator	Yes	Yes	-	Yes	Yes	Yes	Yes
Ground OK indicator	Yes	Yes	-	Yes	Yes	Yes	Yes
Surge circuit shutdown	Yes	Yes	-	Yes	Yes	Yes	Yes
Power safety shutdown (L-N)	Yes	Yes	-	Yes	Yes	Yes	Yes
Cord management	-	-	-	-	-	Yes	-
Accessories	-	Coax Cable x 1	-	-	Tel Cable x 1	-	Tel Cable x 1 + Coax Cable x 1
Safety approvals	UL1449, UL1363, cUL	UL1449, UL1363, cU	IL UL1449, UL1363, cUL	UL1449, UL1363, cUL	UL1449, UL1363, cUL	UL1449, UL1363, cUL	
Warranty	Limited Lifetime	Limited Lifetime	Two-year Limited	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
MMS Model Number	MMS780R	MMS7100RT	MMS7120RCT	MMS130RC	MMS660S	MMS664S	MMS686SCT
Electrical rating		15A, 120V, 1800 Watts	, ,	15A, 120V, 1800 Watts		15A, 120V, 1800 Watts	15A, 120V, 1800 Watts
Joule rating	2160J	2880J	4320J	1080J	540J	1080J	3420J
Outlet quantity				3			
	8	10	12		6	6	8
Rotating outlets	6	5	8	1	-	-	-
Surge protection mode	6 L-N, L-G, N-G	5 L-N, L-G, N-G	8 L-N, L-G, N-G	1 L-N, L-G, N-G	- L-N, L-G, N-G	- L-N, L-G, N-G	L-N, L-G, N-G
Surge protection mode UL clamping voltage	6 L-N, L-G, N-G 330V, 400V, 400V	5 L-N, L-G, N-G 330V, 400V, 400V	8 L-N, L-G, N-G 330V, 400V, 400V	1 L-N, L-G, N-G 400V	- L-N, L-G, N-G 500V	- L-N, L-G, N-G 400V	<u>-</u> L-N, L-G, N-G 400V
Surge protection mode UL clamping voltage Maximum peak current	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A	1 L-N, L-G, N-G 400V 72,000A	- L-N, L-G, N-G 500V 36,000A	- L-N, L-G, N-G 400V 72,000A	L-N, L-G, N-G 400V 20,400A
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV	1 L-N, L-G, N-G 400V 72,000A 6KV	- L-N, L-G, N-G 500V 36,000A 6KV	- L-N, L-G, N-G 400V 72,000A 6KV	L-N, L-G, N-G 400V 20,400A 6KV
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A	- L-N, L-G, N-G 400V 72,000A	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB	1 L-N, L-G, N-G 400V 72,000A 6KV	- L-N, L-G, N-G 500V 36,000A 6KV	- L-N, L-G, N-G 400V 72,000A 6KV	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out)	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out)	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out)
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out)	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out) 160J	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out) 160J 1 Line	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out)
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5)	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB - - - - -	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line - -
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube <75V	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB - - - - - - - - - -	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line - - - - - -	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube <75V	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB - - - - - - - -	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB - - - - - - - - - - - - - - - - -	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line - - - - - - - - - - - - - - - - - -	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft.	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line -	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft.
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line - - - - - - - - - - - - - - - - - - -	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB - - - - - - - -	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB - - - - - - - - - - - - - - - - -	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line - - - - - - - - - - - - - - - - - -	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft.	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line -		L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft.
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator Ground OK indicator Surge circuit shutdown	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line 7 ft. Yes Yes	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes Yes Yes	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line - Yes - Yes	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz Up to 40dB	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes Yes
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator Ground OK indicator Surge circuit shutdown Power safety shutdown (L-N)	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line 7 ft. Yes Yes Yes Yes	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes Yes Yes Yes	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line - Yes -	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz Up to 40dB	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes Yes
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator Ground OK indicator Surge circuit shutdown	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line 7 ft. Yes Yes	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes Yes Yes	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line - Yes - Yes	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz Up to 40dB	L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes Yes
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator Ground OK indicator Surge circuit shutdown Power safety shutdown (L-N)	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line 7 ft. Yes Yes Yes Yes	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes Yes Yes Yes	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line - Yes - Yes - Yes	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB 4 ft. Yes Yes Yes	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes Yes Yes Yes
Surge protection mode UL clamping voltage Maximum peak current Max spike voltage EMI/RFI Frequency noise filter Attenuation Telephone Jack type Fax Energy Modem Line protection Network Jack type line Protection port protection Communication speed Surge arrestor DSS/Coax Breakdown volts protection Insertion loss Line protection Power cord length Surge protected indicator Ground OK indicator Surge circuit shutdown Power safety shutdown (L-N) Cord management	6 L-N, L-G, N-G 330V, 400V, 400V 144,000A 6KV 150KHz-100MHz Up to 40dB	5 L-N, L-G, N-G 330V, 400V, 400V 180,000A 6KV 150KHz-100MHz Up to 58dB RJ11/6P2C (1 in/1 out) 160J 1 Line 7 ft. Yes Yes Yes Yes Yes Yes Tel Cable x 1	8 L-N, L-G, N-G 330V, 400V, 400V 252,000A 6KV 150KHz-100MHz Up to 58dB RJ11/ 6P2C (1 out) 160J 1 Line RJ45 8P8C/(1in/2out)combo 1, 2, 3, 6 10/ 100 Base-T (Cat 5) Gas Tube < 75V < 0.1dB 1 Line 9 ft. Yes Yes Yes Yes Yes Yes Tel cable x 1 + Coax cable	1 L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 70dB Gas Tube < 75V < 0.1dB 1 Line - Yes - Yes Yes	- L-N, L-G, N-G 500V 36,000A 6KV 150KHz-100MHz Up to 40dB	- L-N, L-G, N-G 400V 72,000A 6KV 150KHz-100MHz Up to 40dB 4 ft. Yes Yes Yes	- L-N, L-G, N-G 400V 20,400A 6KV 150KHz-100MHz Up to 58dB RJ11/45 (1 in/1 out) 160J 1 Line Gas Tube < 75V < 0.1dB 1 Line 6 ft. Yes Yes Yes

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