DATA SHEET

AC Power Surge Protection Solutions **All-Mode F Series-B**

AM4100-F-07 • AM4100M-F-07 • AM5100-F-07 • AM7100-F-07 • AM7100-3WG-F-07

The All-Mode F Series AC Surge Suppressor operates to a maximum surge capacity of 100kA and is available in a variety of operating voltages.



Features

- UL 1449 3rd Edition Listed
- UL 1283 Listed
- · Form C relay contacts for remote alarm notification included
- Single light-emitting diode (LED) visual status indicator per phase
- Built with electromagnetic interference and radio frequency interference (EMI/RFI) filtering sine wave tracking circuitry
- Individually thermal fused metal oxide varistor (MOV) suppression technology components

Benefits

Features extended temperature operation and maximum surge current capacity of 100 kA in a UL Type 2 surge protection device (SPD).

Basic Applications

- Light-industrial
- Telecommunications
- Transportation
- Other commercial applications





SPECIFICATIONS

AC Power Surge Protection Solutions **All-Mode F Series-B**

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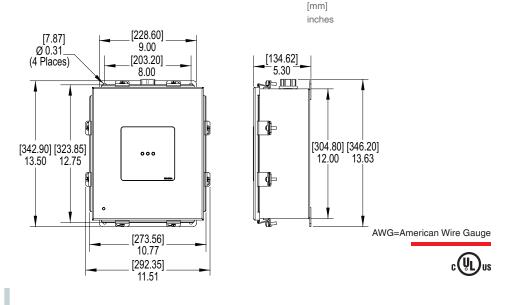
ACData[®]

Electrical							
Model		AM4100-F-07	AM4100M-F-07	AM5100-F-07		AM7100-F-07	AM7100-F-3WG-07
Surge Protection Device (SPD) Type to UL		Type 2	Туре 2	Type 2		Type 2	Type 2
Operating AC Voltage		3¢ 208/120Y 4W+G	3¢ 220/127Y 4W+G	3¢ 240/120	D 4W+G	3¢ 480/277Y 4W+G	3φ 480/ 3W+G
Maximum Continuous Operating AC Voltage (MCOV):					High Leg Delta		
Li	ne-Neutral	140V	175V	140V	280 V	320V	-
Lir	ne-Ground	140V	175V	140V	280V	320V	320V
Neutral-Ground		140V	175V	140V	-	320V	-
	Line-Line	280 V	320V	280 V	280V	560 V	560V
Nominal Discharge Current [In]		20 kA	20 kA	20 kA		20 kA	20 kA
Maximum Surge Current Capacity		100 kA	100 kA	100 kA		100 kA	100 kA
Fault Current Rating		65 kA no breaker	65 kA no breaker	200 kA with 30 Amp breaker		200 kA with	200 kA with
						30 Amp breaker	30 Amp breaker
Voltage Protection Rating (VPR): Li	ne-Neutral	600 V	700V	900 V	1000V	1500V	-
Lir	ne-Ground	700V	700V	900V	1200V	1500V	1500V
Neutr	ral-Ground	700V	700V	800V	-	1200V	-
	Line-Line	800 V	1000V	1200V	1000V	1800V	1800V
Suppression Technology		MOV	MOV	MOV	MOV	MOV	MOV
Mechanical							
Connection Terminals (Suppression) Hardwired		#10 AWG [6 mm ²] pigtail leads					
Form C Contact Connection (Terminal Block)		#22 - #18 AWG [0.34 mm² - 0.75 mm²]					
Operation Temperature (°C)		-40° C to +80° C					
Enclosure Type		Туре 4					
Enclosure Dimension (L×W×H)		11.51"×13.63"×5.30" [292.35×346.20×134.62 mm]					
Weight		18.0 lbs [8.16 kg]					
Standards Compliance & Certifications							
UL 1449 3rd Edition: 2009, UL 1283 5th Edition: 2009, IEEE C62.41.2: 2002							
Certification		UL					
Standards		ANSI, IEEE, NEC					

Product Diagram

AM4100-F-07, AM4100M-F-07, AM5100-F-07 AM7100-F-07 & AM7100-F-3WG-07

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