

Techwin TVSS 100kA surge protection device (SPD) with UL certificated for AC power system

HM100F Series AC power supply SPD box is mainly applicable to three phase power distribution system to protect electrical equipment from the impact of lightning overvoltage, transient overvoltage lightning electromagnetic pulse induced voltage, transient operation and resonance(<math><100\mu\text{s}</math>) over voltage. HM100F2N-H AC power supply SPD box is widely used in the areas of communication device, electrical equipment, security, transportation, industrial control and aviation for power protection.

Feature:**UL 1449 4th Edition Listed**

Thermal disconnect device

Heat turn-off technology

Temperature control to protect circuit.

Status indicators

Remote alarm contact, easy to remote control

Easy to install and simple for maintenance

Built with electromagnetic interference and radio frequency interference(EMI/RFI) filtering sine wave tracking circuitry

International famous brand for core component with excellent performance.

Application

Type 2/3 Surge Protective Device for AC Power System.

Power distribution box(cabinet); AC cabinet; Column head cabinet; Charging station/charging point

Communication Base Station

Telecom centers

Automatic control centers

Intelligent buildings

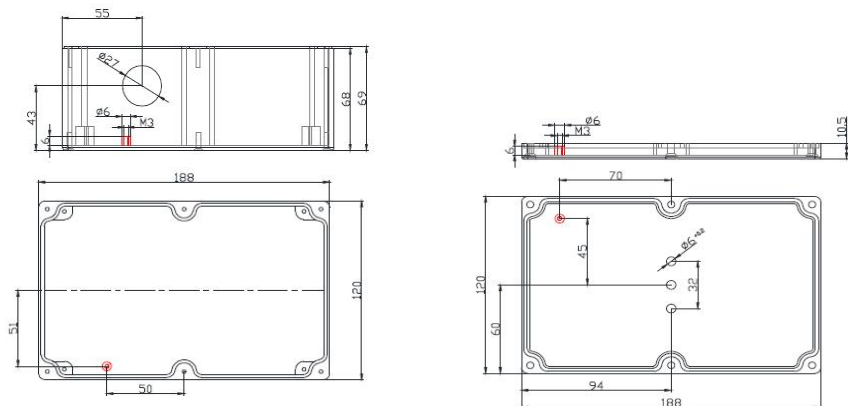
Industrial enterprises

Medical institutes

IT,TT,TN-C,TN-S,TN-C-S and other power supply system.

Technical parameters

Model		HM100F3N-HU	HM100F2N-H	HM100F1N-H(P)
Standards Compliance		UL 1449 4th Edition		
SPD type		2		3
Phase		3Y (4W+G)	3Y (3W+G)	1 (2W+G)
The rated operating voltage V		220/127VAC,	220 / 127VAC	110V
The maximum continuous operating voltage Mcov	L-L	360V	360V	\
	L-N	180V	180V	160V
	L-G	180V	180V	160V
	N-G	180V	180V	160V
Voltage protection Rating(VPR)	L-L	1500V	1500V	\
	L-N	900V	900V	900V
	L-G	1500V	1500V	900V
	N-G	800V	800V	900V
Nominal Discharge Current Rating In		20kA		
Surge capacity per phase		100KA		
Short Circuit Current Rating Isccr		65 kA	65KA	\
Response Time Ta		25ns/100ns		
Temperature & Humidity rating		Temperature: -20 to 80°C, (-4-176F) Relative humidity: ≤95%		
Mounting style		Parallel hardwire		
Alarm Type		Visual& Remote signal		
Connection terminal(Alarm) hardwire		#26 AWG		
Connection terminal(SPD) hardwire		10 AWG for L/N , 8 AWG for Grounding		
Dimension(Inches)		7.4*4.72*3.07 (L*W*H)		5.91(7.48)*4.72*2.26 (L*W*H)
BOX Type		Aluminum		QMFZ2

Product Diagram:
HM100F3N-HU/ HM100F2N-H

HM100F1N-H(P)