

# ITW Linx

Surge Protection Solutions

# THREE PHASE AC HARDWIRED SURGE PROTECTION DEVICE



## Models:

AHW208/120-100  
 AHW220/127-100  
 AHW240/120D-100  
 AHW480/277-100  
 AHW480-100

## Features

- Compact design for convenient and effective Surge Protection
- Thermal fused metal oxide varistor (MOV) protection technology
- Common & Normal (ALL) Mode Surge protection
- Heavy duty surge protection
- LED "ON" for visual protection status monitoring
- Indoor or outdoor installation
- EMI and RFI filtering
- UL1449 4th Edition Listed
- Form C relay contacts for remote alarm notification

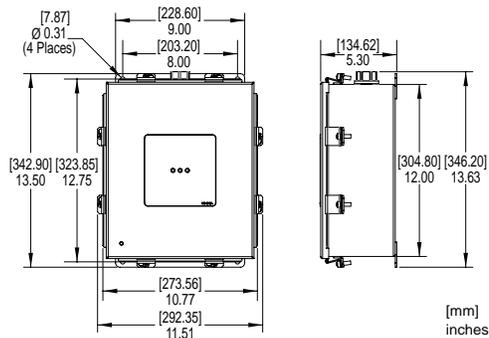
## General Information

The ITW Linx Three Phase AHW Series is a Type 2 Hardwired surge protective device targeted to protect AC powered and connected equipment and systems from the destructive force of surges. These state-of-the-art protection devices offer a convenient and modern solution, resulting in reliable operations and long-term performance.

## Applications

- Service entrance and OEM panels
- Electrical Systems and Equipment
- Protection from lightning, Induction and AC Infrastructure Generated Surges
- Indoor and Outdoor Equipment
- Industrial, Transportation and Telecommunications Systems

## Dimensions



## Mechanical Characteristics

Enclosure Type (Outdoor)	Type 4 Aluminum
Environmental Rating	IP 66 / NEMA 4x
Operating Temperature	-40°C to +80°C
Operating Humidity	0 to 95% non-condensing
Mounting	Wall / Electrical panel
Mechanical Connection to Panel	Conduit Nut and Convenient Bracket
Dimensions (L x W x H)	11.51" x 13.63" x 5.30"
Weight	18.0 lbs
Electrical Connection	#10 AWG stranded wiring leads, 14 inches max. length
Form C Contact Connection (Terminal Block)	#22-#18 AWG
Diagnostics and Status	Visual Status, one LED per phase

Standards and Compliance: UL1449 4th Edition, Type 3 Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

# ITW Linx

Surge Protection Solutions

Tel: 800.336.LINX / Fax: 630.315.2152

WWW.ITWLINX.COM

# ITW Linx

Surge Protection Solutions

# THREE PHASE AC HARDWIRED SURGE PROTECTION DEVICE



## Models:

AHW208/120-100

AHW220/127-100

AHW240/120D-100

AHW480/277-100

AHW480-100

## Electrical Characteristics

	AHW208/120-100	AHW220/127-100	AHW240/120D-100	AHW480/277-100	AHW480-100
Electrical Distribution System	208/120Y 4W+G 3 Phase	220/127 4W+G 3 Phase	240/120D 4W+G 3 Phase	480/277 4W+G 3 Phase	480/ 3W+G 3 Phase
Nominal AC (Operating) Voltage	208 L to L 120 L to N or G	220 L to L 127 L to N or G	240 L to L 120 L to N or G	480 L to L 277 L to N or G	480 L to L
Maximum Operating Voltage (MCOV)	280 L to L 140 L to N or G	320 L to L 175 L to N or G	280 L to L 140 L to N or G	560 L to L 320 L to N or G	560 L to L 320 L to G
Nominal Discharge Current 8/20us (In)	20 KA				
Maximum Discharge Current 8/20us (Imax)	100KA	100KA	100KA	100KA	100KA
Modes of Protection	L to L, L to N, L to G, N to G	L to L, L to N, L to G, N to G	L to L, L to N, L to G, N to G	L to L, L to N, L to G, N to G	L to L, L to N, L to G, N to G
Internal Thermal Disconnect	Yes	Yes	Yes	Yes	Yes
Operating Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
Short Circuit Current rating (Scrr)	65KA No ckt breaker	65KA No ckt breaker	200KA with 30 Amp Ckt breaker	200KA with 30 Amp Ckt breaker	200KA with 30 Amp Ckt breaker

# ITW Linx

Surge Protection Solutions

Tel: 800.336.LINX / Fax: 630.315.2152 WWW.ITWLINX.COM