

# Edco SHA 1250/SHA-1250-BASE-A

120 VAC Single Phase Modular Filter with Base

■ Surge Protection  
For Business-Critical Continuity™

The Edco SHA-1250 is an upgraded version of the Edco SHA-1210IRS. The two models are equal in surge protection performance. The Edco SHA-1250 also incorporates two LEDs for failure indicator in a modular package (utilizes 12-pin Beau connector). The hardwire terminal base (Edco SHA-1250-BASE-A, ordered separately) accommodates all wiring and the protection module is designed for easy replacement.

The footprint of the Edco SHA-1250-BASE-A is the same as the Edco ACP-340 and Edco SHA-1210. This makes retrofitting older cabinets easy because internal wire lengths do not have to be adjusted.

The Edco SHA-1250 offers remote sensing circuitry output that is a dry relay contact closure suitable to interface with a modem or computer port for polling remotely. With this feature, a central computer could detect a failed Edco SHA-1250 at the intersection.

The Edco SHA-1250 provides excellent noise suppression over a large frequency range. Typical noise attenuation is 10db at 10kHz, 50db at 100kHz and 90db at 1MHz.



(Edco SHA-1250-BASE-A, ordered separately)

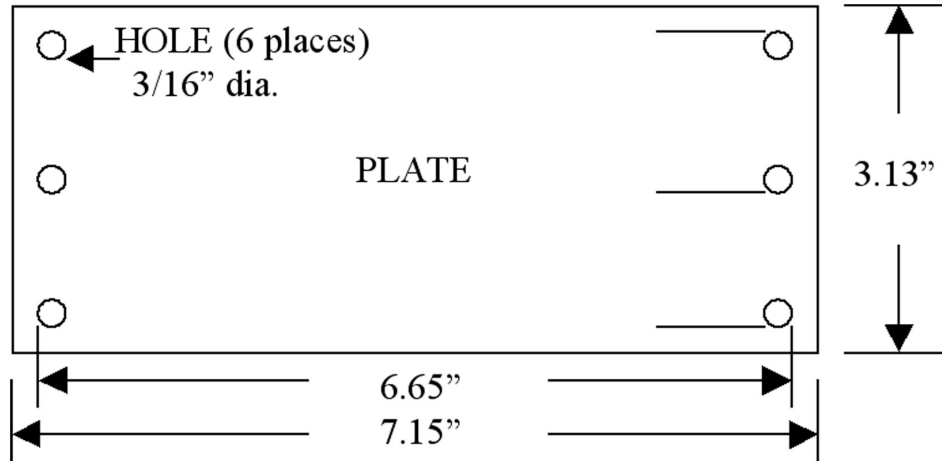
## General Technical Specifications

Operating Voltage	120VAC
Clamping Voltage	340VAC
Operating Current	15A
Peak Surge Current	45kA/Phase, 60kA/Total
Operating frequency	47-63Hz
EMI Attenuation	50 dB typ
SPD Technology	TMOVs w/L-C Filter
Modes of Protection	L-N, L-G, N-G
Status Indication	Power On & MOVs functional
Connection Type	1/4-20 SS Stud base, plug-in module operating
Operation Temperature	-40°C to +85°C
Dimensions (Inches, Module + Base)	3.5H x 3.125W x 7.125L
Weight	1 lb., 11.5 oz

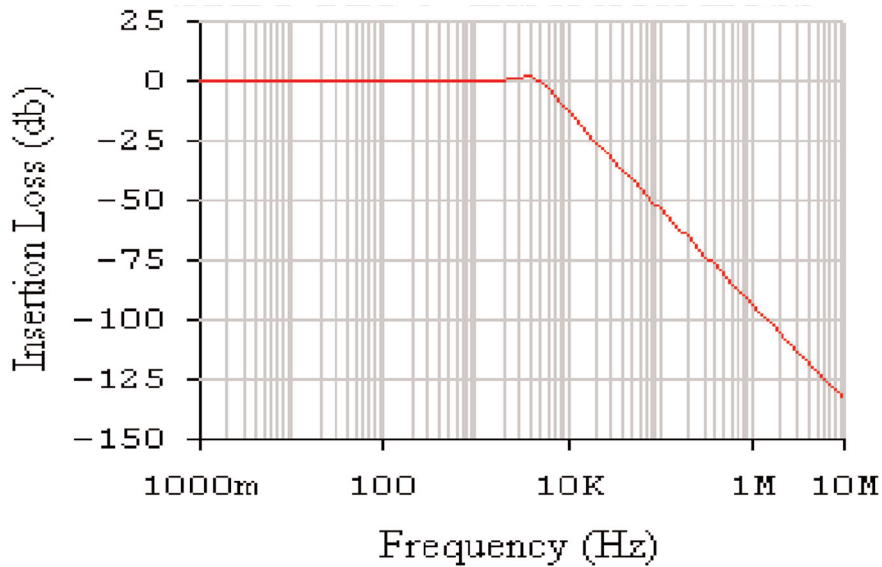
## Features

- Plug-in module
- LED indication
- Filtering
- Remote-sensing circuitry
- 5 year warranty

## Mounting



## SHA-1250 Insertion Loss



### PIN OUT

Line In .....	1, 2
Neutral In .....	11, 12
Ground .....	3, 4, 9, 10
Line Out .....	5
Neutral Out .....	7
Relay NC .....	8
Relay Com .....	6

**Emerson Network Power.**  
The global leader in enabling  
*Business-Critical Continuity™*.

■ AC Power  
■ Connectivity  
■ DC Power

■ Embedded Computing  
■ Embedded Power  
■ Monitoring

■ Outside Plant  
■ Power Switching & Control  
■ Precision Cooling

■ Racks and Integrated Cabinets  
■ Services  
■ **Surge Protection**

**Emerson Network Power Contact information**

[www.emersonnetworkpower.com/surge](http://www.emersonnetworkpower.com/surge)

### Headquarters

Surge Protection  
100 Emerson Parkway  
Binghamton, NY 13905  
T: (607) 721-8840  
T: (800) 288-6169  
F: (607) 722-8713  
E: [contactsurge@emerson.com](mailto:contactsurge@emerson.com)

