

Surge Protective Device

Technical Documentation



ACCESSORY SOLD SEPARATELY

The **ASCO Model 258** is an upgraded version of the Edco SHA-1210IRS. The two models are equal in surge protection performance. Model 258 also incorporates two LEDs for failure indicator in a modular package (utilizes 12-pin Beau connector). The hardwire terminal base (SHABA accessory) accommodates all wiring and the protection module is designed for easy replacement.

The footprint of the SHABA accessory is the same as Model 254. This makes retrofitting older cabinets easy because internal wire lengths do not have to be adjusted.

Model 258 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 Model 258 at the intersection.

Model 258 provides excellent noise suppression over a large frequency range. Typical noise attenuation is 10db at 10kHz, 50db at 100kHz and 90db at 1MHz.

Key Specs

- **Voltage:** 120 VAC
- **Current:** 15 A
- **Connection/Mounting:** Plugs into “SHABA” Hardwire Terminal Base Accessory

*See Ordering Information for model number selection

Features

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

General Technical Specifications

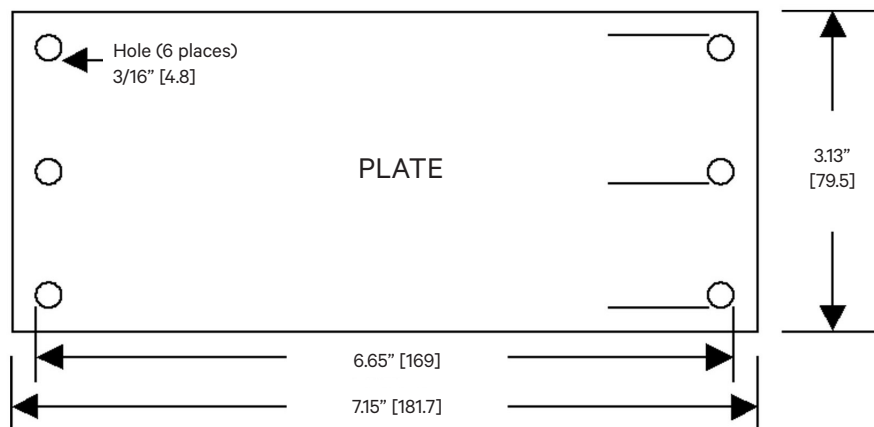
Operating Voltage	120 VAC
Clamping Voltage	340VAC
Operating Current	15 A
Peak Surge Current	45kA/Phase, 60kA/Total
Operating Frequency	47 - 63Hz
EMI Attenuation	50 dB typ
SPD Technology	TMOVs w/ L-C Filter
Modes of Protection	L-N, L-G, N-G
Status Indication	Power On & MOVs Functional
Connection Type	1/4-20 SS Stud base, plug-in module operating
Operation Temperature	-40°C to +85°C
Dimensions (in/mm)	3.5" H x 3.125" W x 7.125" L [88.9 x 79.4 x 181 mm]
Weight (lb/kg)	1.72 lbs [0.78 kg]

DANGER!

Only qualified personnel should install or service this system. Electrical safety pre-cautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

Seulement le personnel qualifié doit installer ou maintenir ce système. Des précautions de sécurité en électricité doivent être suivies lors de l'installation ou de la maintenance de cet équipement. Pour éviter tout risque de choc électrique, débranchez et verrouillez toutes les sources d'alimentation de cet équipement avant de.

Mounting



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

Ordering Information

Other configurations available, please contact factory.

MODEL

Former Model Name

APPLICATION

258120NF015ATBNO

Edco SHA-1250

120VAC, 15A, 12-pin Beau Connector

ACCESSORIES Former Accessory Name

SHABA SHA-1250-BASE-A

Terminal Base Adapter

Insertion Loss

