

### Traffic Signaling Products



SHA-1250-ITS and SHA-1250-BASE-A (not shown) sold separately.



The **SHA-1250-ITS** is an upgraded version of the SHA-1210. The **SHA-1250-ITS** also incorporates two LED's for failure indicator in a modular package (Utilizes 12 pin Beau connector). The hardwire terminal base accommodates all wiring and the protection module is designed for easy replacement. The footprint of the SHA-1250-BASE-A is the same as the ACP-340 and SHA-1210. This makes retrofitting older cabinets easy because internal wire lengths do not have to be adjusted.

The **SHA-1250-ITS** is specifically designed for both type 170 and NEMA Traffic controller cabinets. The performance level is similar to the popular SHA-1210. The unit consists of three basic sub-circuits. These are primary clamp, the secondary clamp, and the filter.

The **SHA-1250-ITS** provides excellent noise suppression over a large frequency range. Typical noise attenuation is 10db@10Khz, 50db@100Khz and 90db@1Mhz.

#### SPECIFICATIONS

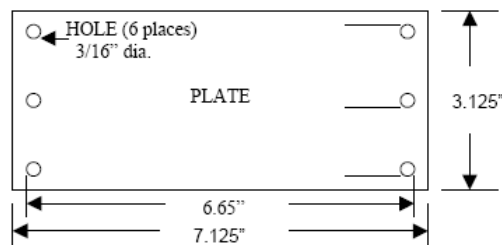
Operating Voltage	120 VAC
Clamping Voltage	340 VAC
Operating Current	15 A
Peak Surge Current	26 kA /Mode, 32.5 kA /Phase, 45.5 kA /Total
Operating Frequency	47-63 Hz
EMI Attenuation	50 dB typ
SPD Technology	Metal- Oxide -Varistors (MOVs) w/ L-C Filter
Modes of Protection	L-N, L-G, N-G
Status Indication	Power On & MOV's functional
Connection Type	1/4-20 Stainless Steel Stud Base, Plug-in Module
Operating Temperature	-40 C to +85 C
Dimensions (Inches)	7.13L x 3.5H x 3.13W (Module + Base)
Weight	1 lb 11.5 oz (Module + Base)

#### INSTALLATION

##### Pin Out

Main AC In.....	1, 2
Main Neutral.....	11, 12
Ground.....	3, 4, 9, 10
AC in.....	6, 8
AC Out.....	5
Neutral Out.....	7

#### MOUNTING

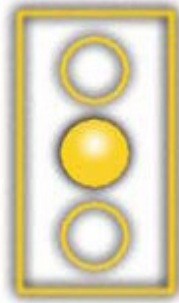


#### CAUTION

This product could become excessively hot and rupture in the rare event of power line conditions or surge that exceed its rated operating specification. Appropriate precautions should be exercised. High voltages are present on electrical termination. Unit should be serviced by qualified personnel only.

Unit is *not* interchangeable with SHA-1250.

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