



TRAFFIC CABINET PROTECTION

SHA-1250



The **SHA-1250** is an upgraded version of the SHA-1210IRS. The **SHA-1250** also incorporates two LED's for failure indicator in a modular package (Utilizes 12 pin Beau connector). The hardwire terminal base (**SHA-1250-BASE-A**, ordered separately) 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** 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 **SHA-1250** at the intersection.

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



FEATURES

The SHA-1250 is specifically designed for both type 170 and NEMA Traffic controller cabinets. The performance level is similar to the popular ACP-340. The unit consists of four basic sub-circuits. These are primary clamp, the secondary clamp, and the filter, and the remote sensing and indicator circuitry.

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.



NEED HELP? Call 1-800-648-4076

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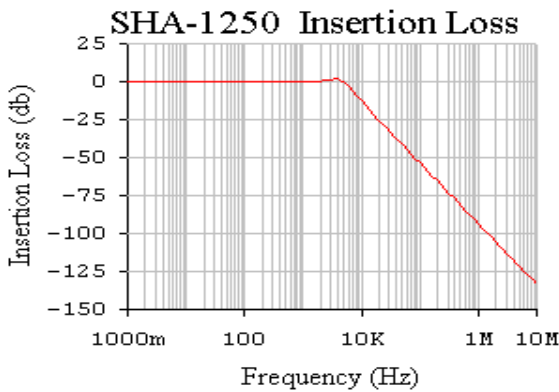
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TRAFFIC CABINET PROTECTION — SHA-1250 SERIES

SPECIFICATIONS

Total Peak Surge Current (8x20 μ s)..... 45,000 Amps
 Clamp voltage..... 340 VAC
 Response time..... < 5 nanoseconds
 Continuous Service Current..... 15 Amps max.
 120 VAC, 60Hz
 Dimensions (Module only HxWxD)..... 4.8" x 3.3" x 1.9"
 Operating Temperature..... -40°C to + 85°C



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

INSTALLATION

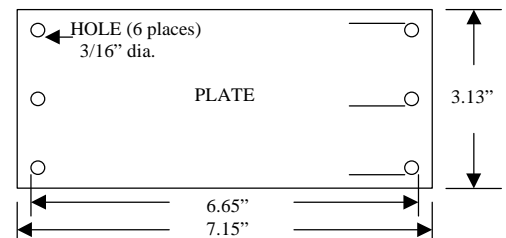
SHA-1250



SHA-1250-BASE-A

MOUNTING

SHA-1250-BASE-A
(ordered separately)



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