

Surge Protective Device



ASCO Model 235 provides surge protection for highway lighting/street pole applications. The suppressor is encapsulated in a compact submersible enclosure that can be installed inside the pole.

Model 235 is available in 120V, 240V, 277V and 480V Single Phase models. In addition, optional Low Capacitance (LC) and Both Black leads (BB) models are offered.

Technical Documentation

Key Specs

- **Voltage:** 120-480 VAC
- **Current:** 30 Amp
- **Connection:** 10 AWG Wire Leads on Input & Output, 6 AWG Ground
- **Mounting:** Flange

General Technical Specifications

Model	235120NF030...	235240LF030...	235277NF030...	235480LF030...
Operating Voltage	120 VAC	240 VAC	277 VAC	480 VAC
Maximum Continuous Operating Voltage (MCOV)	150 VAC	275 VAC	320 VAC	550 VAC
Voltage Configuration	Single Phase 2W+G			
Continuous Operating Current	30 A			
Operating Frequency	47-63 Hz			
Modes of Protection	L-G, N-G			
Total Peak Surge Current Rating	52 kA			
Clamp Voltage: @ 1ma (V peak)	240 V	430 V	510 V	910 V
@ 200 amps	395 V	710 V	850 V	1500 V
Connection / Wire Type	Series Connected; Wire Leads			
Current Drain	100 microamps			
Insulation to Ground	> 600 Volts			
Response Time	< 25 nanoseconds			
Operating Temperature	-40°C to +85°C			
Dimensions (In/mm)	0.8 in. H x 2.875 in. W x 5.3 in. L [20.3 x 73.0 x 134.6 mm]			
Weight (lb/kg)	1 lb. [0.45 kg]			

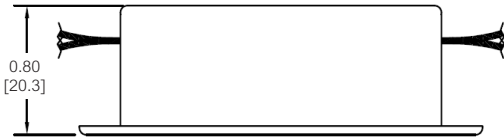
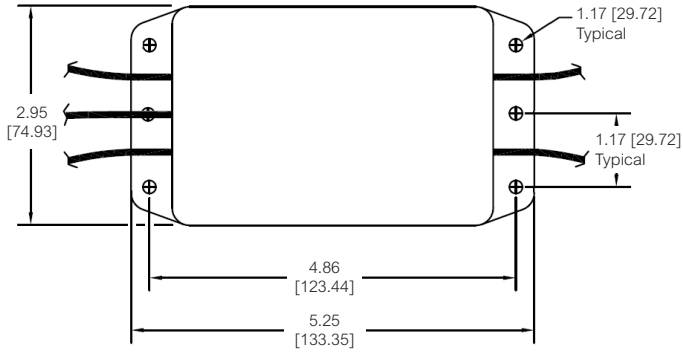
Features

- Fully encapsulated for water resistance
- Submersion Tested
- Metal Oxide Varistor (MOV) Technology
- Line-to-Ground Protection
- Neutral-to-Ground Protection
- No Follow Current
- Solid State Design
- 5 Year Limited Warranty

Certifications

- Submersion Tested
 - Seven feet submersion for 120hrs
 - 50+ hours energized at 480VAC while submerged
 - Test Report Available

Dimensions (in. / mm.)



Ordering Information

MODEL <i>Former Model Name</i>	APPLICATION
235120NF030AWLN0 <i>Edco SHA-1203</i>	120 VAC, Single Phase, 2W+G
235240LF030AWLN0 <i>Edco SHA-2403</i>	240 VAC, Single Phase, 2W+G
235277NF030AWLN0 <i>Edco SHA-2773</i>	277 VAC, Single Phase, 2W+G
235480LF030AWLN0 <i>Edco SHA-4803</i>	480 VAC, Single Phase, 2W+G
235xxxxxxxxxWSxx <i>Edco SHA-xxxxBB</i>	Both Leads Black
235xxxxxxxxxLxxxx <i>Edco SHA-xxxxLC</i>	Low Capacitance Option

New Model Available
 ASCO Model 235 (Edco SHAS)
 See DS-70203