

### Features

- Compact NEMA-4 enclosure design can be flush mounted or installed in a small space
- LED status indication flag for status monitoring
- 120/240 VAC operating voltage suits the most common power distribution system for residential or small commercial buildings
- 40 kA 8/20  $\mu$ s maximum surge rating per phase provides protection suitable for UL96A Master Label installations
- CE mark and UL1449 Listed



Lightning transients and surges are a major cause of expensive electronic equipment failure and business disruption. Damage to computers, data and communications may occur, as well as a loss of revenue and profits. The SES40 Service Entrance Suppression, a CRITEC® product, part of the ERITECH® line of Facility Electrical Protection products from ERICO®, is designed to protect sensitive electronics at the service entrance for residential or light commercial service panels.

This economical unit is designed for 120/240 VAC power systems and provides surge protection totaling 80 kA 8/20  $\mu$ s total, or 40 kA per phase. The SES40 is UL® Listed as a Type 1 device. It offers a simple and hassle-free installation for protection on the line side or load side of the service panel, without additional external protection being required by circuit breakers or fuses.

<b>Model</b>	SE540120/240
<b>Nominal System Voltage, Un</b>	120/240 V
<b>Distribution System</b>	2Ph 2W+G
<b>Max Cont. Operating Voltage, Uc</b>	170/340 VAC
<b>Frequency</b>	50/60 Hz
<b>Max Discharge Current, I(max)</b>	40 kA 8/20 $\mu$ s
<b>Nominal Discharge Current, In</b>	20kA 8/20 $\mu$ s
<b>Protection Modes</b>	L-G
<b>Technology</b>	MOV with thermal disconnect
<b>Short Circuit Current Rating, Isc</b>	200 kAIC (Isc)
<b>Voltage Protection Level (8/20<math>\mu</math>s)</b>	700 V @ 3 kA 1.2 kV @ 20 kA
<b>Status</b>	LED indicator
<b>Dimensions H x D x W: mm (in)</b>	153 x 78 x 84.00 (6.02 x 3.07 x 3.31)
<b>Weight: kg (lbs)</b>	0.7 (1.54)
<b>Enclosure</b>	Aluminum, IP 65 (NEMA-4)
<b>Connection</b>	Line: 600 mm of 5.26 mm <sup>2</sup> (24" of # 10 AWG) flying leads Neutral/Ground: 900 mm of 5.26 mm <sup>2</sup> (36" of # 10 AWG) flying leads
<b>Mounting</b>	3/4" straight nipple
<b>Temperature</b>	-40°C to 80°C (-40°F to 176°F)
<b>Humidity</b>	0% to 90%
<b>Approvals</b>	CE, UL® 1449 Ed. 3 Listed Type 1
<b>Surge Rated to Meet</b>	ANSI®/IEEE® C62.41-1991 Cat A, Cat B, Cat C ANSI®/IEEE® C62.41.2 Scenario II, Exposure 2, 50 kA 8/20 $\mu$ s EC 61643-1 Class II UL® 1449 Ed. 3 In 20 kA mode

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