

# POWER RELAYS — HERMETICALLY SEALED LIGHT-WEIGHT - SM100H1

## Engineering Data

- MIL-R-6106 Type I
  - Hermetically Sealed
  - Continuous Duty
- Weight - 11.3 oz. (320 grams)
- Seal - 1x10<sup>-6</sup> STD CC/SEC Max
- Altitude: 80,000 Feet
- Double Break Contacts

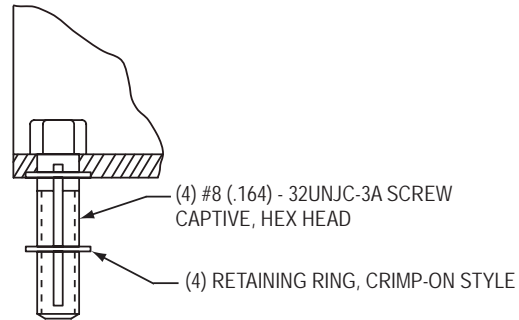
Vibration Random	15 Minutes Each Plane	Vibration Random	15 Minutes Each Plane
<b>M6106/48-001</b>		<b>M6106/48-002<sup>①</sup></b>	
Frequency (Hz)	Level (g <sup>2</sup> /Hz)	Frequency (Hz)	Level (g <sup>2</sup> /Hz)
10 - 125	0.037	15 - 50	0.012
125 - 250	+4 dB	120 - 200	0.364
250 - 1000	0.1	250 - 400	0.194
1000 - 2000	-3 dB	600 - 1000	0.060
		1300 - 2000	0.097

① Test to be performed with 5 ampere load on main contact.

## Selection Table



- SM100H1
- M6106/48-001



- SM100H15
- M6106/48-002

## Application Notes

The curve shows a typical motor/generator requirement. The SM100H1 can withstand up to 400 Amps for several seconds during motor start - dropping to 100 Amps within 5 seconds. The SM100H1 can withstand the generator output up to 200 Amp for several minutes - dropping to 100 Amps within 3.5 minutes. These cycles can be repeated once every 90 seconds. The SM100H1 will meet applications requiring a reliable and robust contactor.

