GIGAVAC®

MiniTACTOR™ P126

FEATURES

- Small, lightweight, and cost effective patented design
- Hermetic seal ensures clean consistent contact environment
- RoHS2 compliant
- Make / Break switching to 1200Vdc
- Can be installed in any position
- Capable of bi-directional switching
- Perfect choice for pre-charge, charge, and solar applications

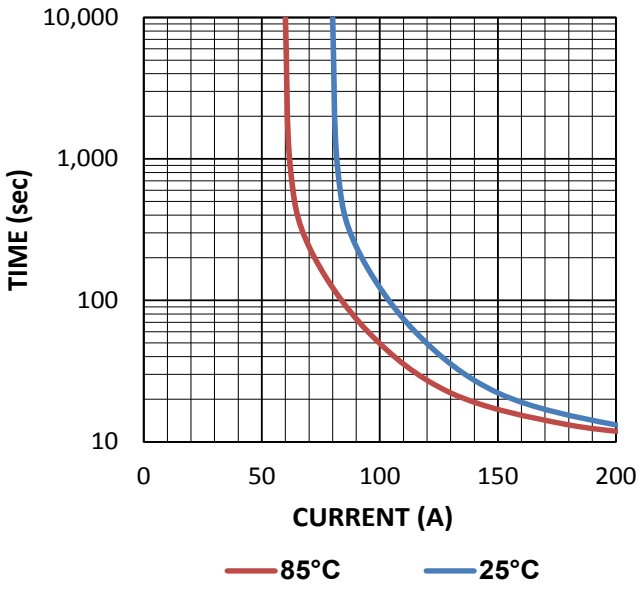
ADVANCED SWITCHING SOLUTIONS

Rev 3 03/12/20

PRODUCT SPECIFICATIONS

Specifications	Units	Data
Contact Arrangement	Form X	SPST-NO
Dielectric at Sea Level	Vdc	6000
Contact Voltage, Operating Max	Vdc	1200
Continuous Current Carry, Max (8 AWG)	A	60
Electrical Life (Resistive Load) Make and Break, 1A @ 1200Vdc Make and Break, 5A @ 1000Vdc Make and Break, 10A @ 800Vdc Make and Break, 20A @ 600Vdc Make and Break, 50A @ 300Vdc Make and Break, 50A @ 24Vdc	 Cycles Cycles Cycles Cycles Cycles Cycles	 1000 1000 2000 5000 5000 50,000
Mechanical Life	Cycles	1,000,000
Contact Voltage Drop, Max @ 50A	mV	100
Contact Resistance, Max @ 50A (after 30 sec)	mOhms	3.25
Operate Time, Max	ms	25
Release Time, Max	ms	8
Vibration, Sinusoidal (50-200Hz Peak)	G	5
Shock, Operating, 1/2 Sine, 11ms	G	20
Temperature, Operating Range [1/]	°C	-40 to +65
Humidity, No Freezing or Condensing at Low Temperature	RH	5% to 85%
Weight	grams	90

CURRENT CARRY RATINGS



COIL RATINGS @ 25°C [2/]

Coil P/N Designation	B	C	F
Coil Voltage, Nominal	12 Vdc	24 Vdc	48 Vdc
Coil Voltage, Max	16 Vdc	32 Vdc	64 Vdc
Pick-up Voltage, Max	8 Vdc	19 Vdc	35 Vdc
Drop Out Voltage, Max	5 Vdc	9 Vdc	18 Vdc
Drop Out Voltage, Min	0.20 Vdc	0.40 Vdc	0.80 Vdc
Coil Resistance, +/-10%	70 Ohms	280 Ohms	1092 Ohms
Coil Current at Nominal Voltage	0.170 A	0.085 A	0.045 A
Recommended External Coil Suppression (not included)	SMAJ40CA or P6KE47CA-E3/54	SMAJ40CA or P6KE47CA-E3/54	SMAJ100CA or P6KE120CA

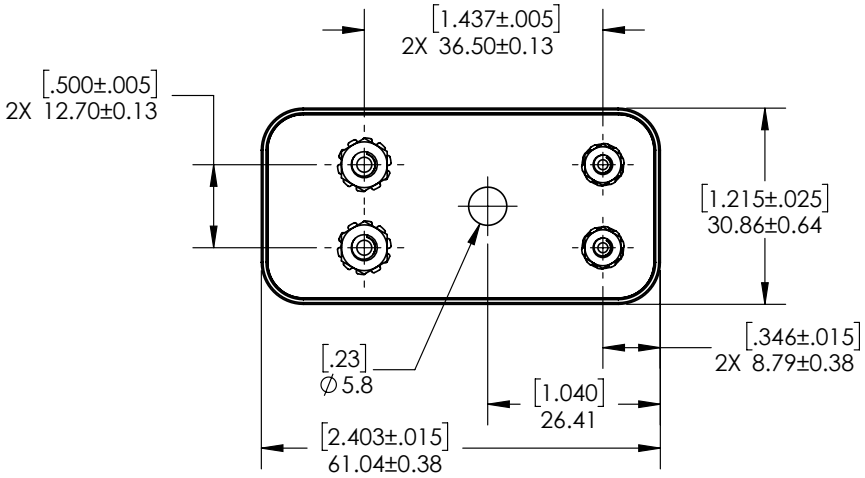
DIMENSIONS

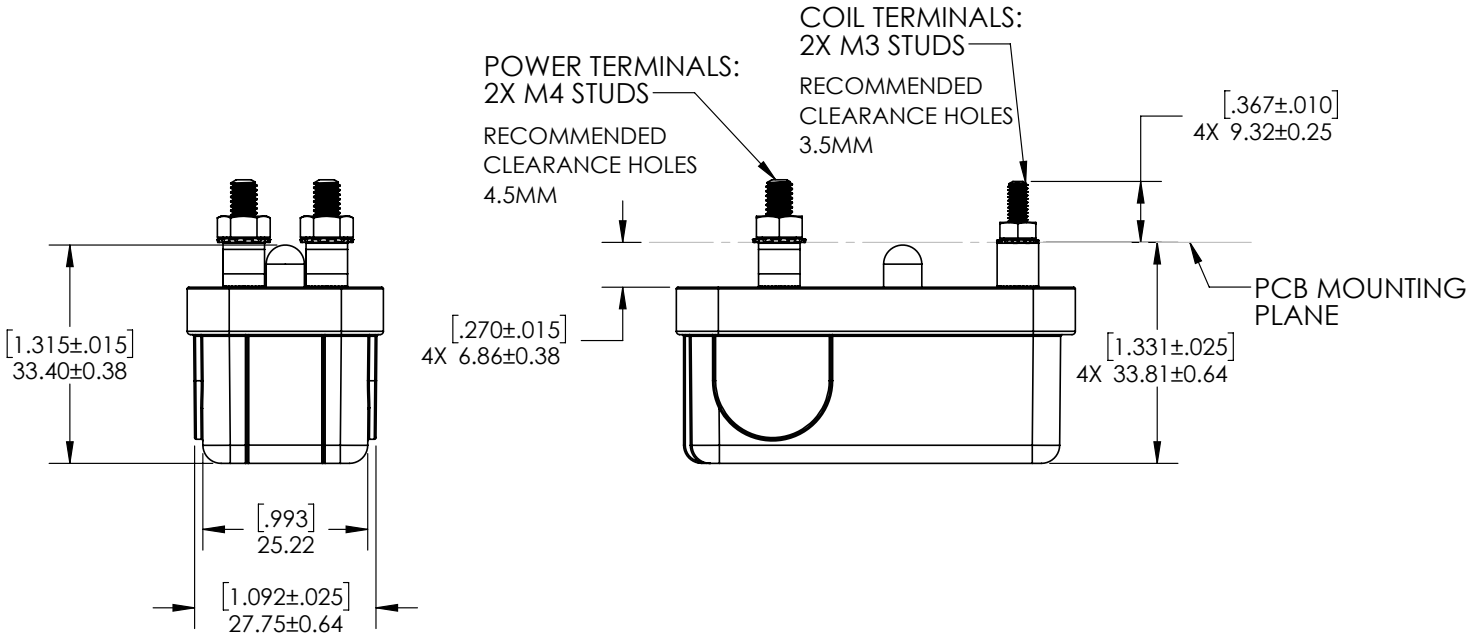
Mounting
PCB

Case Material
Patented EVOH Blend

Power Connection
M4 Studs
Torque 1.3-1.7 Nm [12-15 in-lb] max

Coil Termination
M3 Studs
Torque 0.5Nm [5in-lb] max





PART NUMBER SYSTEM

P126	B	D	A
Coil Voltage	**B**=12 Vdc		
	C=24 Vdc		
	F=48 Vdc		
Coil Terminals		**D**=Studs, M3	
Power Terminals			**A**=Studs, M4

APPLICATION NOTES

Electrical life rating is based on resistive load with 27µH maximum inductance in circuit. Because your application may be different, we suggest you test the contactor in your circuit to verify life is as required.

Contactor is bi-directional and therefore can carry, make, and break current in both directions.

Contactor is not sensitive to direction of installation and can be mounted in any position or axis.

Notes & Definitions:

1/ Temperature range refers to ambient conditions. Terminal temperature can exceed listed values.

2/ Contactor is operated by a coil that changes resistance with temperature. Since pick-up current, coil current and coil power are specified at nominal voltage, they will be lower than indicated at temperatures above 25°C and higher than indicated at temperatures below 25°C. Similarly, pick-up and drop-out voltages will be higher than indicated at temperatures above 25°C and lower than indicated at temperatures below 25°C.

GIGAVAC® - 6382 Rose Lane, Carpinteria, CA 93013 - ph +(805) 684-8401 - fax +(805) 684-8402
info@gigavac.com - www.gigavac.com -

Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

Regional head offices:

United States of America
Sensata Technologies
Attleboro, MA
Phone: 508-236-3800
E-mail: support@sensata.com

Netherlands
Sensata Technologies Holland B.V.
Hengelo
Phone: +31 74 357 8000
E-mail: support@sensata.com

China
Sensata Technologies China Co., Ltd.
Shanghai
Phone: +8621 2306 1500
E-mail:support@sensata.com