

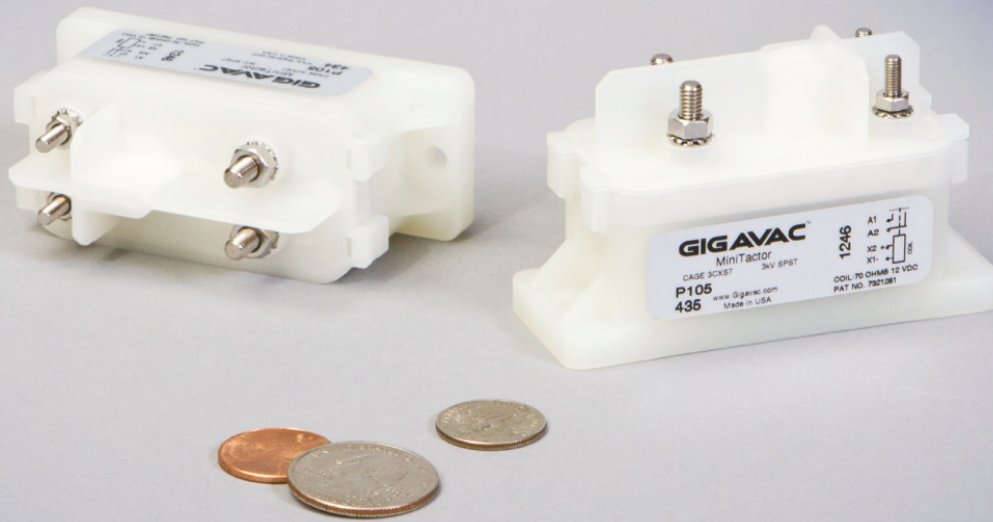
GIGAVAC®



Maurer
Elektromaschinen
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MiniTACTOR™

P105



FEATURES

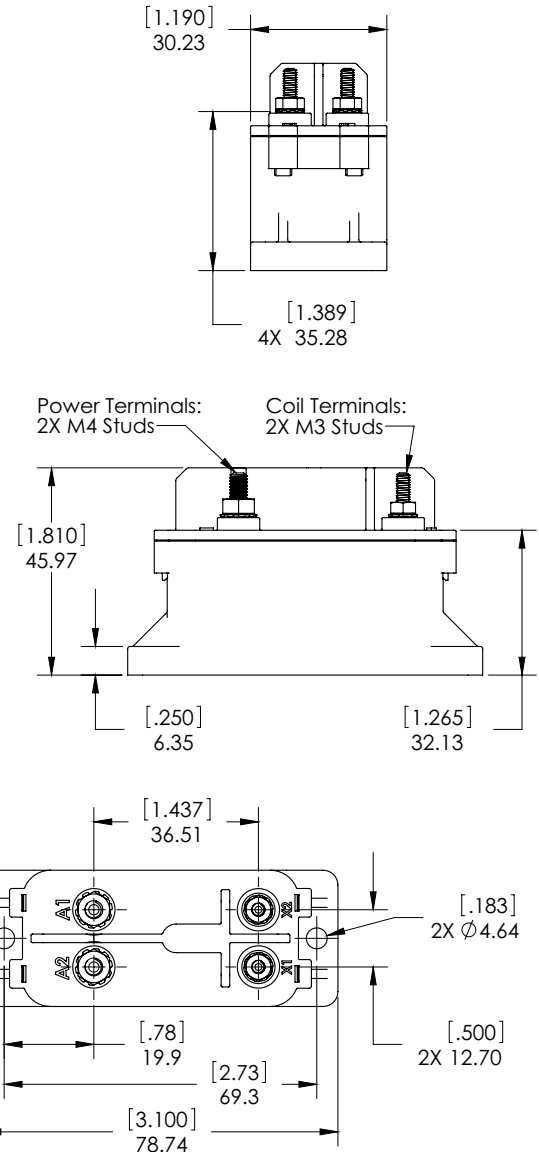
- > Small, lightweight, and cost effective patented design
- > Hermetic seal ensures safe clean switching
- > Make / Break switching to 1200Vdc
- > Can be installed in any position
- > Capable of bi-directional switching
- > Perfect choice for pre-charge, charge, and solar applications

ADVANCED SWITCHING SOLUTIONS



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	50
Electrical Life (Resistive Load)		
Make and Break, 1A @ 1200Vdc	Cycles	1000
Make and Break, 5A @ 1000Vdc	Cycles	1000
Make and Break, 10A @ 800Vdc	Cycles	2000
Make and Break, 20A @ 600Vdc	Cycles	5000
Make and Break, 50A @ 300Vdc	Cycles	5000
Make and Break, 50A @ 24Vdc	Cycles	50,000
Mechanical Life	Cycles	1,000,000
Contact Voltage Drop, Max @ 50A	mV	100
Contact Resistance @ 50A	mOhms	2
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	°C	-40 to +65
Humidity, No Freezing or Condensing at Low Temperature	RH	5% to 85%
Weight	grams	100



COIL RATINGS @ 25°C

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	7.5 Vdc	15 Vdc	30 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	24 Vdc	48 Vdc	96 Vdc

PART NUMBER SYSTEM

P105	B	D	A
Coil Voltage	B=12 Vdc C=24 Vdc F=48 Vdc		
Coil Terminals		D=Studs, M3	
Power Terminals			A=Studs, M4

Mounting

M4 or 8-32 Screws

Torque 1.3-1.7Nm [12-15in-lb]

Case Material

Patented EVOH Blend

Power Connection

M4 Studs

Torque 1.3Nm [12in-lb] max

Coil Termination

M3 Studs

Torque 0.5Nm [5in-lb] max