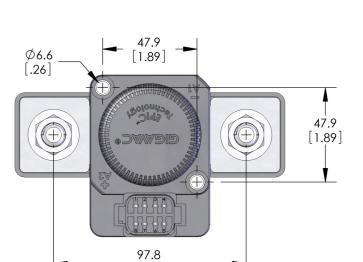
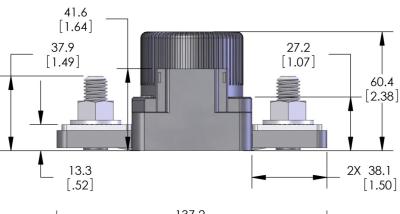
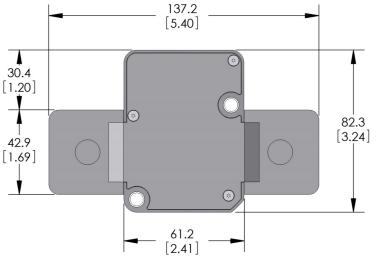


ADVANCED SWITCHING SOLUTIONS





[3.85]



Power Terminals Zinc Plated M12 X 1.75 Bolt Stainless M12 X 1.75 Flanged Nut

Torque 15-22 Nm [130-200 in-lb]

Mounting Hardware M6 [1/4 in] Bolts (not incl.

Torque 2-4 Nm [18-35 in-lb]

Mating Connector

Deutsch DT06-08S

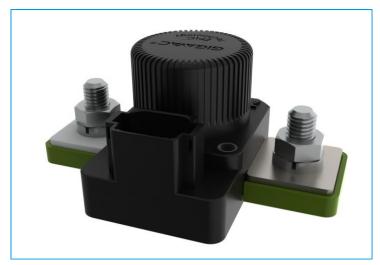
*GIGAVAC sells mating connector as assembly or component package. See Accessories pg 2. 12V - 48V

MX15

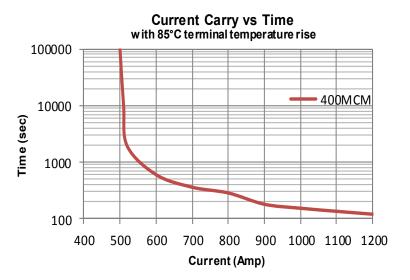
Chassis Mount

Contactor

500A



Key Features	
EPIC® Seal	Ceramic to metal braze. Gas filled hermetic chamber protects key components. Exceeds IP69K standard
Temperature	Tested to temperatures up to 200°C
Contacts / Form	Silver / SPST / NO
Coil	Efficient two coil design with no PWM or EMI emissions. Coil suppression built in
High Shock and Vibration	For rugged environments, off-road and tracked vehicles
Installation	Not direction sensitive
Made in USA	Designed and manufactured in the USA
Reference	MIL-R-6106, RoHS



GIGAVAC®			P.O. Box 4428 Santa Barbara,	CA 93140
www.gig	gavac.com	info@gigavac.com	+805-684-8401	
		© 2014 GIGAVAC, LLC		

Те	chnical Specification	
Continuous Current	500A w/ 400MCM (see graph on reverse)	
Max Current—1 sec	3000A	
Max Current—10 sec	2000A	
Max Current—90 sec	1000A	Co
Contact Voltage Drop (max)	150mV at 400A	B C
Insulation Resistance (min)	100MΩ (50MΩ after life)	F
Dielectric Withstanding	2200 VRMS (1050 VRMS after life)	۸.,
Operate Time (max)	20 msec (include bounce)	Au <i>Bl</i>
Release Time (max)	12 msec	В
Weight	1.6 lb with hardware (725 grams)	С
Res	istive Load Switching	
500A at 24VDC	50,000 cycles	COIL
		0012

Ordering Key
MX15 _ E _
Coil Voltage: B = 12V C = 24V F = 48V
Auxiliary Contacts: Blank = none B = SPST, Normally Open C = SPST, Normally Closed
Power Circuit and Installation

Resistive Load Switching	
500A at 24VDC	50,000 cycles
Mechanical Life	300,000 cycles
Fault Interrupt @ 28VDC	3000A

Environmental Specifications			
Seal Hermetic, 10 E-9 atm cc/sec			
Temperature Range	-55°C to +100°C		
Shock	Sawtooth @ 20G, 11ms, ½ Sine @ 25G, 11ms		
Vibration	10-2000 Hz, 20G		
Water / Steam	2750 psi waterjet, 105 psi steam, boiling water		
Salt Spray Corrosion	MIL-STD-810G		
Designate to comparing above including and formal growth			

Resistant to corrosion, chemicals, and fungal growth

Auxiliary contacts (optional) - Form A, SPST Normally Open

Switching Current (max) 2A at 28VDC Switching Current (min) 0.1mA at 5V

AUX -AUX A2(+)0 (Optional) Auxiliary contacts A1(-) \circ Pin6 O Pin1(-) NO: Pin8 O Pin2(+)-Pin6 O NC: Pin8 🔾

COIL+

Coil Ratings at 25°C *Contact factory for additional coil voltages

Coil P/N Designation	В	С	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	16 VDC	40 VDC
Drop-Out Voltage	0.5 to 4 VDC	2 to 7.5 VDC	4 to 15 VDC
Pick-Up Current, Max (75ms)	3.9 A	1.6 A	0.97 A
Coil Current	0.23 A	0.097 A	0.042 A
Coil Power	2.8 W	2.3 W	2 W
Internal Coil Suppression	Transorb Control Circui		t D
Coil Back EMF	55 V		125 V
Transients, Max (13ms)	±50 V		±75 V
Reverse Polarity	16 V 32 V		64 V



Options and Accessories		
0696-1	Components (not assembled) for mating Deutsch connector, non-aux	
0696-2	Components (not assembled) for mating Deutsch connector, w/ aux	
0697-1	Assembled mating Deutsch connector for non-aux versions	
0697-2	Assembled mating Deutsch connector for versions w/ auxiliaries	

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