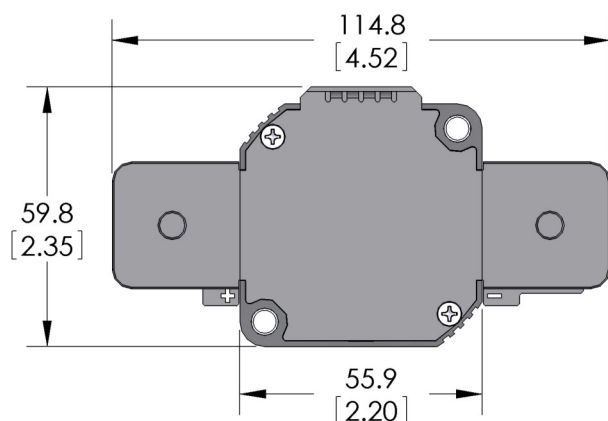
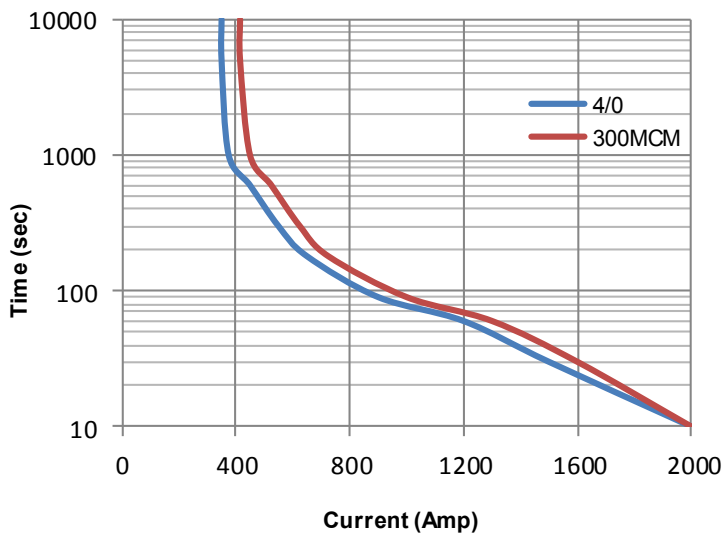


### Key Features

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



**Current Carry vs Time**  
 with 85°C terminal temperature rise




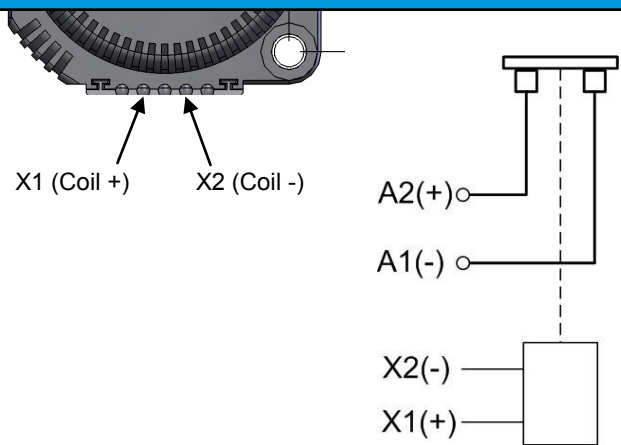
#### Power Terminals

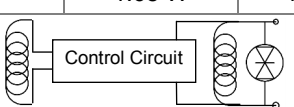
Stainless M10 X 1.5 Bolt  
 Stainless M10 X 1.5 Nut  
 Stainless Lock Washer  
 Stainless Flat Washer  
 Torque 14-20 Nm [125-175 in-lb]

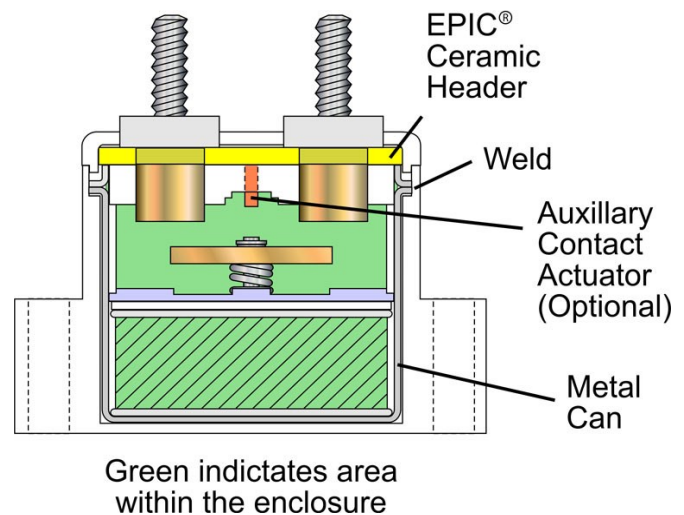
#### Mounting Hardware

M5 [No. 10] Bolts (not incl.)  
 Torque 2-4 Nm [18-35 in-lb]

<b>PIK-AS Austria GmbH</b> - Elektrotechnische Fabrikate -		AT-7433 Mariasdorf
<a href="http://www.pikas.at">www.pikas.at</a>	<a href="mailto:office@pikas.at">office@pikas.at</a>	+43 3353 7613
Rev 4 9/2/14	© 2013 GIGAVAC, LLC	Page 1 of 2 <b>MXNC14</b>

Technical Specification		Ordering Key	
Continuous Current	400A w/ 300MCM (see graph on reverse)	<div> <b>MXNC14</b>  </div>	
Max Current—1 sec	3000A		
Max Current—10 sec	2000A		
Max Current—90 sec	1000A		
Contact Voltage Drop (max)	150mV at 400A		
Insulation Resistance (min)	100MΩ (50MΩ after life)	<b>Coil Voltage:</b> <i>B = 12V</i> <i>C = 24V</i> <i>F = 48V</i>	
Dielectric Withstanding	1500VRMS (1050 VRMS after life)	<b>Coil Wire:</b> <i>A = 38 cm (15 in)</i> <i>B = 61 cm (24 in)</i> <i>C = 122 cm (48 in)</i>	
Operate Time (max)	20 msec (include bounce)	<b>Power Circuit and Installation</b> 	
Release Time (max)	12 msec		
Weight	1.1 lb with hardware (500 grams)		
Resistive Load Switching			
400A at 24 VDC	100,000 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		
Resistant to corrosion, chemicals, and fungal growth			

Coil Data			
*Contact factory for additional coil voltages			
Coil Part #	B	C	F
Nominal Voltage	12 VDC	24 VDC	48 VDC
Max Voltage	16 VDC	32 VDC	60 VDC
Pickup Voltage (max)	8 VDC	16 VDC	32 VDC
Dropout Voltage	0.2 to 4 VDC	0.5 to 10 VDC	1 to 20 VDC
Pull-in Current ( max 75ms)	4.2 A	1.6 A	0.8 A
Coil Current (Amps)	0.15 A	0.07 A	0.035 A
Coil Power (Watts)	1.8 W	1.68 W	1.68 W
Internal Coil Suppression (Transorb)			
Coil Back EMF	55 V		125 V



Options and Accessories		PIK-AS Austria GmbH	
		- Elektrotechnische Fabrikate -	AT-7433 Mariasdorf
		<a href="http://www.pikas.at">www.pikas.at</a>	<a href="mailto:office@pikas.at">office@pikas.at</a>
		Rev 4 9/2/14	+43 3353 7613
		© 2013 GIGAVAC, LLC	Page 2 of 2 <b>MXNC14</b>