

Power Terminals Stainless M8 X 1.25 Stud Stainless M8 X 1.25 Nut Stainless Lock Washer Stainless Flat Washer Torque 9-10 Nm [80-90 in-lb] Mounting Hardware M5 [No. 10] Bolts (not incl.)

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

Case Material 25% GF Nylon 6/6, UL 94 V-O

12V - 48V

Side Mount

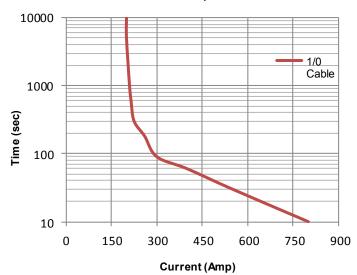
Contactor 200A

MX52



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	Optional 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

Current Carry vs Time with 85°C terminal temperature rise



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Technical Specification				Ordering Key					
Continuous Current	200A w/ 1/0	cable (see g	raph on reve	erse)					
Max Current—1 sec	1200A			M	X52	П			
Max Current—10 sec	750A				IVIA				
Max Current—90 sec	250A				•	. /			
Contact Voltage Drop (max)	150mV at 20	00A			Coil Vo See tal	<u> </u>	/	liary Con = none	tacts:
Insulation Resistance (min)	100MΩ (50M	MΩ after life)			Jee tai			PST, Norm	ally Open
Dielectric Withstanding		(1050 VRMS							
Weight		ardware (460			Coil Connection:				
	sistive Load	· ·	- <u>-</u> - ,		D = M4	Screws			
200A at 24 VDC	100,000 cyc								
Mechanical Life	300,000 cyc					Power Cir	cuit and Inst	tallation	
Fault Interrupt @ 28VDC	1500A				Σ	(1 X2			
· -	onmental Sp	ecifications						Ľ	
Seal	-	D E-9 atm cc/			Ĩ IIII IIII IIII IIII IIII IIII IIII I	✓ ₩ ✓		,	ĭ ¦ ĭ
			560		T1 (Aux NO) T2 ((Aux NO)		
Temperature Range	-55°C to +100°C Sawtooth @ 20G, 11ms, ½ Sine @ 25G, 11ms			50 11:00	X1 (Coil	+) X2 (C	oil -)	A2 (+) O	' ¦
Shock			1/2 Sine @ 2	5G, 11ms			,	A1 (-) O	
Vibration		10-2000 Hz, 20G						ΑT (-) Ο	
Water / Steam 2750 psi waterjet, 105 psi steam, boiling water				ing water	(Optional) Auxiliary contacts Normally Open				
Salt Spray Corrosion MIL-STD-810G									
Resistant to corrosion, chem	icals, and fun	igal growth			T2 O		>	^{(2 (-)}	
Auxiliary contacts (optional) - Form A, SPST Normally Open			T1 O-	≜	,				
Switching Current (max) 1A at 28VDC			11 0-)	×1 (+)			
Switching Current (min)	rent (min) 0.1mA at 5V								
	* S a	and T coil ar	Coil R e dual coil d	atings at 29 lesion, all o	5°C others are sta	andard coils			
Coil P/N Designation	В	С	F	н	J	к	L	S *	Т*
Coil Voltage, Nominal	12 VDC	24 VDC	48 VDC	72 VDC	120 VDC	120 VAC, 50/60Hz	240 VAC, 50/60Hz	12 VDC	24 VDC
Coil Voltage, Max	16 VDC	32 VDC	64 VDC	96 VDC	140 VDC	140 VAC	280 VAC	16 VDC	32 VDC
Pick-Up Voltage, Max	8 VDC	16 VDC	28 VDC	46 VDC	72 VDC	80 VAC	160 VAC	9 VDC	15 VDC
Drop-Out Voltage, Max	3 VDC	7 VDC	10 VDC	14 VDC	18 VDC	30 VAC	60 VAC	4.5 VDC	7 VDC
Drop-Out Voltage, Min	0.5 VDC	0.5 VDC	1.8 VDC	2.7 VDC	4.5 VDC	4.5 VAC	9 VAC	1 VDC	1.5 VDC
Pick-Up Current, Max (75ms)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.7 A	0.76 A
Coil Current	0.68 A	0.28 A	0.16 A	0.095 A	0.06 A	0.06 A	0.04 A	0.084 A	0.032 A
Coil Power	8 W	6.8 W	7.6 W	6.8 W	7.2 W	7.2 W	9.6 W	1 W	0.768 W
Operate Time, Max (incl.bounce)	20 msec	20 msec	30 msec	30 msec	20 msec	30 msec	30 msec	20 msec	20 msec
Release Time, Max	12 msec	12 msec	12 msec	12 msec	12 msec	50 msec	55 msec	12 msec	12 msec
Internal Coil Suppression	Transorb					Control C	ircuit		
Coil Back EMF	55 V	55 V	80 V	115 V	175 V	N/A	N/A	55 V	55 V
Transients, Max (13ms)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	±50 V	±50 V
Reverse Polarity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16 V	32 V

Options and Accessories						See <u>Terms of Use</u> for additional information	
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