

Motor Control Products

Technical Specifications – Controllers/Disconnects and Enclosures

AC Manual Toggle and Rotary Motor Controllers/Disconnects

Certification

UL 508	Industrial Control Equipment File #E70402
CSA-C22.2 No.14	Industrial Control Equipment File #LR-46186

Performance

Electrical

Dielectric voltage	2,200V AC minimum for 1 minute	
Electrical life	6,000 cycles at general rating load	
Max working voltage	600V AC RMS	
	Controllers	10,000 Rms
Short circuit	30A and 40A	60A max J fuses
Withstand rating	50A	50A max J fuses
As motor disconnect	60A and 85A	80A max J fuses
Short circuit withstand rating as motor controller	All controllers	125A max RK5 fuses

Mechanical

Mechanical life	10,000 cyc min.		
Terminal accommodations	Amps	AWG Minimum	AWG Maximum
	30	#14	#10
	40 and 50	#14	# 8 - with UL listed ring terminal
	60 and 85	#14	# 4
Terminal torque	30 - 50	20 inch pounds	
	60 - 85	25 inch pounds	

Environmental

Flammability	UL94HB/V
Operating temperature	Maximum continuous 30, 40 and 60A, 60°C
	Maximum continuous 50 and 85A, 75°C
	Minimum continuous without impact, -40°C