

**MOTOR PROTECTIVE CIRCUIT BREAKER  
GUARDMOTOR  
DISJUNTOR MOTOR  
SERIES 330-T25, 330-M25, 330-T63, 330-M63**



**WARNING:**  
 - Disconnect power before proceeding with any work on this equipment.  
 - Installation and maintenance by technical personnel only.  
 - Install products in accordance with the operation instructions and the NEC (U.S. National Electrical Code) regulations or local applicable codes and standards.

**AVERTISSEMENT:**  
 ÉTOURNEZ LE POUVOIR AVANT DE COMMENCER TOUT TRAVAIL SUR CE MATÉRIEL.  
 - Installation et maintien par personnel technique seulement.  
 - Respecter les normes nationales et locales.  
 - Seul le personnel qualifié peut effectuer les travaux sur ce matériel.  
 - Obéir aux normes nationales, étatiques, locales et provinciales.

**AVVERTIMENTO:**  
 Desconecte o poder antes de prosseguir com qualquer trabalho neste equipamento.  
 - Respetar normas nacionais y locales.  
 - Somente profissionais qualificados podem efetuar os trabalhos neste equipamento.  
 - Obedecer normas nacionais, estaduais, locais e provinciais.

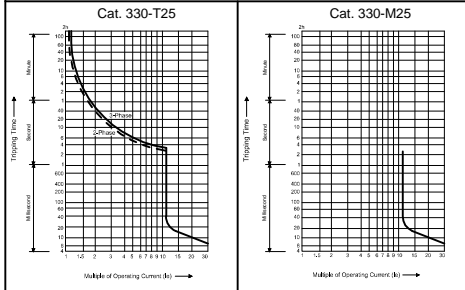
**AVVERTIMENTO:**  
 Disconnettere l'alimentazione prima di effettuare qualsiasi lavoro su questo equipaggiamento.  
 - Obbedire alle norme nazionali, statali, locali e provinciali.

Product Installation Data can be downloaded from our website, [www.c3controls.com](http://www.c3controls.com)

Thank You for choosing  
**c3controls**

IL100138  
 REV 6

Via d'installazione e di manutenzione del c.a.b. a motore  
 Características de operación y mantenimiento del c.a.b. a motor  
 Características de instalação e manutenção do c.a.b. a motor



3-Phase: H<sub>A</sub> [ 1 2 3 ] S [ 4 5 6 ] V [ 7 8 ]  
 2-Phase: 2 pole with phase loss sensitivity  
 Bipolar con sensibilidad a la caída de fase  
 Bipolar con sensibilidade a falta de fase

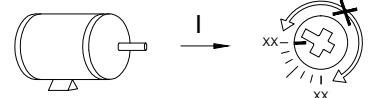
The characteristics of the magnetic trip are based on upper value of the setting range for Series 330-T25...T63 and the rated current for Series 330-M25...M63.  
 Tripping time is a function of the cold adjusted current. From warm condition (rated operational temperature), tripping time reduces to approximately 25%.

Las características de disparo de los c.a.b. a motor se basan en el valor superior del rango de ajuste para el Series 330-T25...T63 y en la corriente nominal del Series 330-M25...M63.  
 El tiempo de disparo es en función del múltiplo de la corriente de ajuste en el estado frío. Con temperatura de servicio, le, los tiempos de disparo quedan reducidos aproximadamente al 25%.

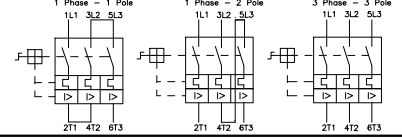
As características de disparo dos c.a.b. a motor baseiam-se no valor superior da faixa de ajuste do Series 330-T25...T63 e na corrente nominal do Series 330-M25...M63.

As características de disparo dos c.a.b. a motor baseiam-se no valor superior da faixa de ajuste do Series 330-T25...T63 e na corrente nominal do Series 330-M25...M63.

Current Adjustment / Ajuste de la Corriente / Ajuste de Corrente

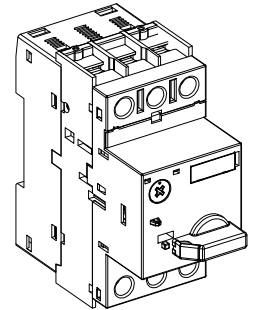


Circuit Diagram / Esquema del Circuito / Diagrama de Circuito



P.O. Box 496  
 Beaver, PA 15009  
 USA  
 724.775.7926  
 www.c3controls.com

Motor Protective Circuit Breaker Installation Instructions  
 Q • d' 884 } ^ • 8 ^ A Q • c a z a z e k } 8 ^ A O } a z a z [ d ;  
 Q • d' 8' / ^ • 8 ^ A Q • c a z a z e k } 8 ^ A O a b } d ; A [ d ;  
 (Series 330-T25...M25 and 330-T63...M63)



Short Circuit Current Protection											
USA/Canada Application Ratings											
Cat. No.	UL 60947 - Manual Motor Controller for 330-T25S, M25S UL 508 - Manual Motor Controller for 330-T63S, M63S										
	Max. Fuse or CB per NEC	Motor Disconnect		Group Motor Installation				Tap Conductor Protection		Max. Short Circuit Current (kA)	
		480V	600V	480V		600V		480V	600V		
				330-T25S, M25S	330-T25S, M25S	480Y/277V	600Y/347V				
2C16	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2C25	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2C40	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2C63	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2D10	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2D16	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2D25	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2D40	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2D63	125	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2U10	150	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2U16	150	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2U20	250	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2U25	250	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	
2U32	250	50kA	25kA	50kA	25kA	50kA	25kA	50kA	25kA	25kA	

IEC 60947-4-1 / EN 60947-4-1 Application Ratings															
Cat. No.	Ultimate Short Circuit Breaking Capacity Icu					Rated Service Short Circuit Breaking Capacity Ics					Back-Up Fuses gG/gL, only if Icu Ics				
	230/240V	400/415V	440/460V	500V	690V	230/240V	400/415V	440/460V	500V	690V	230/240V	400/415V	440/460V	500V	690V
	330-T25S, M25S														
2C16	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2C25	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2C40	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2C63	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2D10	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2D16	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	100kA	⊙	⊙	⊙	⊙	⊙
2D25	100kA	100kA	100kA	100kA	8kA	100kA	25kA	100kA	100kA	8kA	⊙	⊙	⊙	⊙	25A
2D40	100kA	100kA	100kA	100kA	6kA	100kA	25kA	100kA	100kA	3kA	⊙	⊙	⊙	⊙	32A
2D63	100kA	100kA	100kA	100kA	6kA	100kA	25kA	100kA	100kA	3kA	⊙	⊙	⊙	⊙	50A
2U10	100kA	50kA	50kA	10kA	4kA	100kA	25kA	15kA	8kA	3kA	⊙	⊙	⊙	⊙	50A
2U16	100kA	50kA	50kA	10kA	4kA	100kA	25kA	15kA	8kA	3kA	⊙	⊙	⊙	⊙	63A
2U20	100kA	50kA	50kA	10kA	4kA	100kA	25kA	15kA	8kA	3kA	⊙	⊙	⊙	⊙	63A
2U25	100kA	50kA	50kA	10kA	4kA	100kA	25kA	15kA	8kA	3kA	⊙	⊙	⊙	⊙	63A
2U32	100kA	50kA	50kA	10kA	4kA	100kA	25kA	15kA	8kA	3kA	⊙	⊙	⊙	⊙	63A

IEC 60947-5-1	Auxiliary Location		gLU/g	
	330-FA			10 A
	330-SA			10 A
	330-STA			10 A

① No back-up fuse required

### Maximum Cross Section and Tightening Torque Connection

UL 508 Manual Motor Controller for 330-T63S, M63S  
UL 60947 Manual Motor Controller for 330-T25S, M25S

Stranded/Solid Wire	Main Terminals		Auxiliary Terminals			
	330-T25, M25		330-FA		330-SA, STA, SR, UR	
	IEC	UL	IEC	UL	IEC	UL
1..2,5	14..10	0.5..2.5	18..14	0.5..2.5	18..14	
9	3/8	7	1/4	7	1/4	
Torque Nm / lb-in	2..2,5	18..22	1..1,25	8,9..11,1	1..1,25	8,9..11,1
Screwdriver	Philips nr. 2		Philips nr. 2		Philips nr. 2	

### TEST / TEST / TESTE

Cat. 330-T25...M25

Snap on DIN rail fixing 35mm to DIN EN 50022

Cat. 330-T25...M25

### Mounting Positions Posiciones de Montaje

UL 508 Manual Motor Controller for 330-T63S, M63S  
UL 60947 Manual Motor Controller for 330-T25S, M25S

Cat. 330-T25...M25

### Screw fixing / Fijación

UL 508 Manual Motor Controller for 330-T63S, M63S  
UL 60947 Manual Motor Controller for 330-T25S, M25S

	A	B	C
Cat. 330-T25...M25 & 330-MF1	105mm 4-1/8 in.	30mm 1-3/16 in.	4,8mm 3/16 in.

Snap on DIN rail fixing 35mm to DIN EN 50022

Cat. 330-T25...M25