

C440 NEMA Electronic Overload

- Self Powered



Dangerous Electrical Current!

Only skilled qualified persons may carry out the following operations.



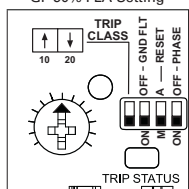
Automatic or network reset is not intended for two-wire control devices.

WARNING Un renclenchement automatique ou un de réseau ne convient pas aux dispositifs de contrôle à deux conducteurs.

UNIT STATUS	LED
Motor is running. Current < 1.15 Times the Dial Setting.	1 flash / 2 seconds
Motor is running. Current ≥ 1.15 Times the Dial Setting.	2 flash / 2 seconds
If the orange trip flag is visible, a trip has occurred.	No Flash
If the orange trip flag is not visible, motor is off or drawing < min FLA.	No Flash

Ground Fault Unit

3Ø Systems only
GF 50% FLA Setting



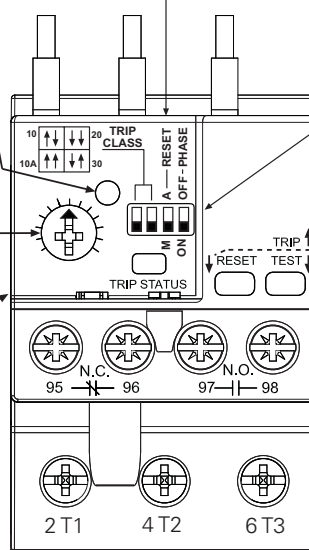
Motor Service Factor

Overload Tripping Current = 115%



Rotate FLA dial to current listed on motor nameplate for all motor Service Factors.

FLA Dial



Phase Imbalance Selection

NC NO

95 97

96 98

TRIP

Pull Red Button

"click"

RESET

Push Blue Reset Button

"click"

TEST

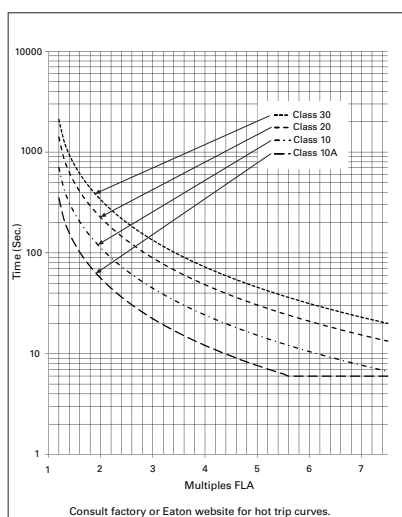
Push Red Button

"no click"

* Approximately 1 lbf

Description	Terminal Capacity AWG	mm ²	Torque lbf-in	Torque N-m
Control	2 x (18 - 12)	2 x (0,75 - 4)	7 - 11	0,8 - 1,2
Load 45 mm	1 x (12 - 10)	1 x (4 - 6)	20 - 25	2,3 - 2,8
Load 45 mm	1 x (8 - 6)	1 x (6 - 16)	25 - 30	2,8 - 3,4
Load 55 mm	1 x (6 - 1)	1 x (16 - 50)	25 - 30	2,8 - 3,4

STANDARD UNIT 3Ø or 1Ø



Optional Accessories

ZEB-XRB
Reset Bar

ZEB-XSC
Tamper Proof Cover

Expansion Port

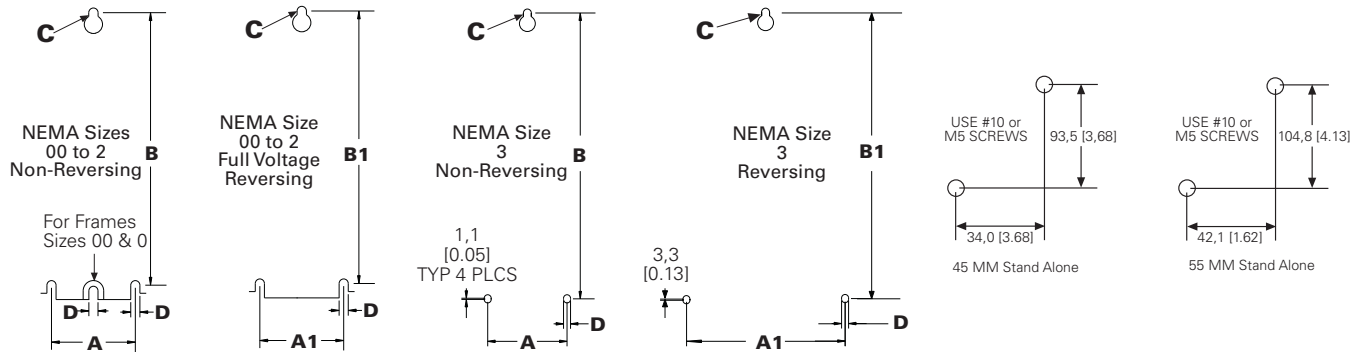
Options:
C440-XCOM
ZEB-XRR-120
ZEB-XRR-24
See page 2 for details
• Modbus
• Devicenet
• Profibus
• I/O

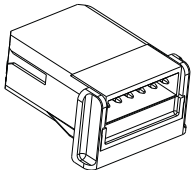
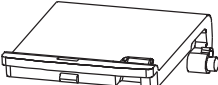
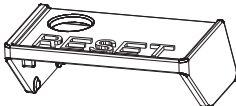
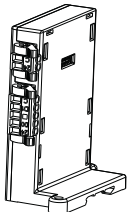
Remove Dust Cover
for options

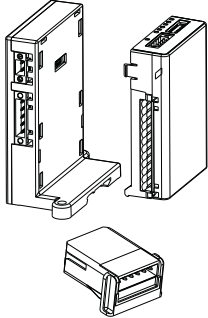
EATON

Powering Business Worldwide

NEMA Starters	Partial Catalog Number	A mm (in)	A1 mm (in)	B mm (in)	B1 mm (in)	C mm (in)	D mm (in)
Freedom Size 00, 0	AN_9AN / AN_9BN	N/A	88,4 9 (3.50)	157,0 (6.18)	174,5 (6.87)	M5 (#10)	5.5 (0.22)
Freedom Size 1, 2 Freedom Size 1 FVR	AN_9DN / AN_9GN	50,8 (2.00)	133,3 (5.25)	165,1 (6.50)	143,0 (5.62)	M5 (#10)	5.5 (0.22)
Freedom Size 2 FVR	AN_9GN	N/A	133,3 (5.25)	N/A	168,3 (6.62)	M5 (#10)	5.5 (0.22)
Freedom Size 3	AN_9KN	76,2 (3.00)	177,8 (7.00)	274,6 (10.81)	274,6 (10.81)	M6 (1/4-20)	6,7 (0.27)



Description	Catalog Number	
Expansion Module (24V dc Remote Reset/Modbus RTU, RS485) - 6pin	C440-XCOM	 6pin Module
Remote Reset Module (120V ac) - 2pin	ZEB-XRR-120	
Remote Reset Module (24V ac) - 2pin	ZEB-XRR-24	
Tamper Proof FLA DIAL Cover	ZEB-XSC	
RESET BAR	ZEB-XRB	
Communication Adapter	C440-COM-ADP	

Communication Kits	Catalog No.	
Device Net Com module kit - 120V ac I/O	C440-DN-120	
Device Net Com module kit - 24V dc I/O	C440-DN-24	
Profibus Com module kit - 120V ac I/O	C440-DP-120	
Profibus Com module kit - 24V dc I/O	C440-DP-24	
Modbus Com module kit - 120V ac I/O	C440-MOD-120	
Modbus Com module kit - 24V dc I/O	C440-MOD-24	
Ethernet IP Com module kit - 120V ac I/O	Not Available	

Approved External CT to be used with 1-5A Stand Alone Overload	
CT Package (60-300A)	ZEB-XCT300
CT Package (120-600A)	ZEB-XCT600
CT Package (200-1000A)	ZEB-XCT1000
CT Package (300-1500A)	ZEB-XCT1500

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Publication No. IL04210001E
December 2010 Rev. 005