



QUICK REFERENCE GUIDE

to

EQ® Circuit Breakers, Optional Accessories and Enclosures

REFERENCES		EQ® NORMAL-DUTY				
BREAKER FRAME		EQ-T	EQ-P	EQ-B	EQ-J	
SECTION	PAGE	2.1.2	2.1.2	2.1.2	2.1.2	
RATINGS	Poles	1 and 2	3	5	9	
	Amperes, Continuous	15-40	1, 2 and 3	1, 2 and 3	2 and 3	
	Volts (60 Hertz)	120/240	1, 2P-120/240 2, 3P-240	1, 2P-120/240 2, 3P-240	125-225	
	Interrupting Rating-NEMA	5,000	10,000*	10,000*	240	
	480V	-	-	-	10,000	
	600V	-	-	-	-	
	OVER-CURRENT DEVICES	Volts-2 Pole	-	-	-	-
		Interrupting Rating-NEMA, Amperes	-	-	-	-
		Thermal and Fixed Magnetic Trip	V	V	V	V
		Thermal and Adjustable Magnetic Trip	-	-	-	-
ETI Adjustable Magnetic Trip Only		-	-	-	-	
Non-Automatic Circuit Interrupter (Disconnect Device Only)		-	-	-	V	
OPTIONAL ACCESSORIES		Auxiliary Switch Attachment	1	3	5	9
		Shunt-trip Attachment	-	-	V †	V †
		Undervoltage Trip	-	-	V †	V †
		Alarm-Switch Attachment	-	-	-	-
	Fungus Proofing	-	V	V	V	
	Clear-Sight Breaker (Contacts Visible Through Window)	-	-	-	-	
	Mechanical Interlock Arrangement	-	-	-	-	
	Plug-In Mounting Arrangement	-	-	-	-	
	Rear-Connection Studs (Breaker Removable from Front)	-	-	-	-	
	Telemand® Motor Operator	-	-	-	-	
INDIVIDUAL ENCLOSURES	COMMERCIAL TYPE	SECTION	2.7.5	-	2.7.5	
		PAGE	1	-	1	
	INDUSTRIAL TYPE	NEMA 1-General Purpose	-	V	-	V
		NEMA 3-Weather Resistant (Weatherproof)	-	V	-	V
		NEMA 1A-Semi-Dusttight	-	-	-	-
		NEMA 4, 5, 9-Watertight, Dusttight, Hazardous Locations	-	-	-	-
		NEMA 7-Hazardous Locations	-	-	-	-
		NEMA 12-Industrial-Use	-	-	-	-

Standard one- and two-pole, 120/240-volt EQ-P and EQ-B breakers have an interrupting rating of 5,000 amperes. High-interrupting (10,000 ampere) one-pole EQ-P and EQ-B breakers are available. † Equivalent in size to an additional single-pole EQ-B breaker. ‡ Available in three-pole construction only.



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REFERENCES		ET® HEAVY-DUTY											
BREAKER FRAME SECTION	PAGE	E	EH	EF	FJ	JJ	JL	KM	KP				
		SECTION	SECTION	SECTION	SECTION	SECTION	SECTION	SECTION	SECTION	SECTION	SECTION		
RATINGS	AC	Poles	1, 2 and 3	3	5	9	11	13	15				
		Amperes, Continuous	15-100	1, 2 and 3 15-100	2 and 3 15-100	7	2 and 3 Δ 250-400	2 and 3 Δ 70-400	2 and 3 Δ 250-800	3			
		Volts (60 Hertz)	1P-120 2, 3P-240	1P-277 2, 3P-480	600	600	600	600	600	600-1200			
OVER-CURRENT DEVICES	DC	Interrupting Rating-NEMA Symmetrical Rms Amperes	10,000*	18,000† 14,000	18,000 14,000	22,000 20,000	42,000†† 30,000††	42,000†† 30,000††	42,000 30,000 22,000	42,000 30,000 22,000			
		Volts-2 Pole	125/250 (1P-125)	250	250	250	250	250	250	250	250		
		Interrupting Rating-NEMA, Amperes Thermal and Fixed Magnetic Trip	5,000	10,000	10,000	10,000	20,000††	20,000††	20,000	20,000	20,000		
OPTIONAL ACCESSORIES		Thermal and Adjustable Magnetic Trip	✓	✓	✓	✓	✓	✓	✓	✓			
		Thermal and Adjustable Magnetic Trip ETI Adjustable Magnetic Trip Only (Section 2.5.2, Pages 1-8)	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Non-Automatic Circuit Interrupter (Disconnect Device Only)	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Auxiliary Switch Attachment	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2	2.2.2
		Shunt-trip Attachment	1	3	5	7	9	11	13	15			
		Undervoltage Trip	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙		
		Alarm-Switch Attachment	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙		
		Fungus Proofing	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Clear-Sight Breaker (Contacts Visible Through Window)	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		Mechanical Interlock Arrangement	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙		
		Plug-In Mounting Arrangement	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙		
		Rear-Connection Studs (Breaker Removable from Front)	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙	✓ ⊙		
		Telemat® Motor Operator	✓	✓	✓	✓	✓	✓	✓	✓	✓		
INDIVIDUAL ENCLOSURES		SECTION	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5		
		PAGE	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2	1-2		
		NEMA 1-General Purpose	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		NEMA 3-Weather Resistant (Weatherproof)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		NEMA 1A-Semi-Dusttight	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		NEMA 4, 5, 9-Watertight, Dusttight, Hazardous Locations	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
INDUSTRIAL TYPE		NEMA 7-Hazardous Locations	✓	✓	✓	✓	✓	✓	✓	✓	✓		
		NEMA 12-Industrial-Use	✓	✓	✓	✓	✓	✓	✓	✓	✓		

⊙ Available in two- and three-Pole construction only.
 Δ Available in three-Pole construction only.

† 1-Pole EH-frame breaker has NEMA interrupting rating of 14,000 symmetrical rms amperes at 277V and 20,000 amperes at 120V.
 †† 70-, 90- and 100-ampere breakers have symmetrical interrupting ratings of 25,000 amperes at 240 volts ac, 22,000 amperes at 480 and 600 volts ac and 10,000 amperes at 250 volts dc.
 * 1-Pole E-frame breaker has NEMA interrupting rating of 7,500 symmetrical rms amperes.



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ET®-H Circuit Breakers, Optional Accessories and Enclosures

REFERENCES		ET®-H EXTRA-HEAVY-DUTY									
BREAKER FRAME		HQ	HB	HETT	HJ	HM	HP	HR			
SECTION PAGE		2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2
RATINGS	Poles	1, 2 and 3	1, 2 and 3	2 and 3	3	3	3	3	3	3	3
	Amperes, Continuous	15-100	15-100	15-100††	125-400	400-800	600-1600	1800-2000			
	Volts (60 Hertz)	1, 2P-120/240 3P-240	1, 2P-120/240 3P-240V	600	600	600	600	600	600		
OVER-CURRENT DEVICES	Interrupting Rating-NEMA, Amperes	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000	65,000
	Thermal and Fixed Magnetic Trip	-	-	-	-	-	-	-	-	-	-
	Thermal and Adjustable Magnetic Trip	-	-	-	-	-	-	-	-	-	-
	ETI Adjustable Magnetic Trip Only (Section 2.5.2, Pages 9-10)	-	-	-	-	-	-	-	-	-	-
	Non-Automatic Circuit Interrupter (Disconnect Device Only)	-	-	-	-	-	-	-	-	-	-
OPTIONAL ACCESSORIES	SECTION PAGE	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2	2.3.2
	Auxiliary Switch Attachment	1	3	5	7	9	11	13			
	Shunt-trip Attachment	-	-	-	-	-	-	-	-	-	-
	Undervoltage Trip	-	-	-	-	-	-	-	-	-	-
	Alarm-Switch Attachment	-	-	-	-	-	-	-	-	-	-
	Fungus Proofing*	-	-	-	-	-	-	-	-	-	-
	Clear-Sight Breaker (Contacts Visible Through Window)	-	-	-	-	-	-	-	-	-	-
	Mechanical Interlock Arrangement	-	-	-	-	-	-	-	-	-	-
	Plug-In Mounting Arrangement	-	-	-	-	-	-	-	-	-	-
	Rear-Connection Studs (Breaker Removable from Front)	-	-	-	-	-	-	-	-	-	-
	Telemat® Motor Operator	-	-	-	-	-	-	-	-	-	-
	SECTION PAGE	2.7.5	-	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5
	NEMA 1-General Purpose	1	-	1-2	1-2	1-2	1-2	1	1	1	1
NEMA 3-Weather Resistant (Weatherproof)	-	-	-	-	-	-	-	-	-	-	
NEMA 1A-Semi-Dusttight	-	-	-	-	-	-	-	-	-	-	
NEMA 4, 5, 9-Watertight, Dusttight, Hazardous Locations	-	-	-	-	-	-	-	-	-	-	
NEMA 7-Hazardous Locations	-	-	-	-	-	-	-	-	-	-	
NEMA 12-Industrial-Use	-	-	-	-	-	-	-	-	-	-	
INDIVIDUAL ENCLOSURES	SECTION PAGE	2.7.5	-	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	
	COMMERCIAL TYPE	1	-	1-2	1-2	1-2	1	1	1	1	
INDIVIDUAL ENCLOSURES	SECTION PAGE	2.7.5	-	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	
	INDUSTRIAL TYPE	1	-	1-2	1-2	1-2	1	1	1	1	

* ET-H breakers are inherently fungus proof, and do not require special fungus treatment.

†† 2 pole breakers available in 3 pole width only.



QUICK REFERENCE GUIDE

to

ET®-C Cordon® Circuit Breakers, Optional Accessories and Enclosures

REFERENCES		ET®-C CORDON® CURRENT-LIMITING											
BREAKER FRAME SECTION	PAGE	CC	CE, CF†	CJ	CM	CP	CR						
		2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2		
RATINGS	AC	Poles	1, 2 and 3	2 and 3 ^Δ	3	7	9	11					
		Amperes, Continuous	15-30	15-100	150-400	400-800	600-1600	1800-2000					
	DC	Volts (60 Hertz)	1P/277 2, 3P 277/480	600	600	600	600	600	600				
		Interrupting Rating - NEMA Symmetrical Rms Amperes	240V 480V 600V	100,000* 100,000 100,000	200,000 100,000 100,000	200,000 100,000 100,000	200,000 100,000 100,000	200,000 100,000 100,000	200,000 100,000 100,000	200,000 100,000 100,000	250 250	250	250
OVER-CURRENT DEVICES		Volts-2 Pole	-	100,000	100,000	100,000	100,000	100,000					
		Interrupting Rating - NEMA, Amperes	-	-	-	-	-	-	-				
		Thermal and Fixed Magnetic Trip	✓	✓	✓	✓	✓	✓	✓				
		Thermal and Adjustable Magnetic Trip	-	-	✓	✓	✓	✓	✓				
OPTIONAL ACCESSORIES		ETI Adjustable Magnetic Trip Only (Section 2.5.2, Pages 11-18)	-	✓	✓	✓	✓	✓					
		Fused Circuit Interrupter (Short-circuit Protection and Disconnect Device Only)	-	✓	✓	✓	✓	✓	✓				
		SECTION	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	2.4.2	
		PAGE	1	3	5	7	9	11					
		Auxiliary Switch Attachment	-	✓	✓	✓	✓	✓	✓				
		Shunt-trip Attachment	-	✓	✓	✓	✓	✓	✓				
		Undervoltage Trip	-	✓	✓	✓	✓	✓	✓				
		Alarm-Switch Attachment	-	✓	✓	✓	✓	✓	✓				
		Fungus Proofing	✓	✓	✓	✓	✓	✓	✓				
		Clear-Sight Breaker (Contacts Visible Through Window)	-	-	-	-	-	-	-				
		Mechanical Interlock Arrangement	-	✓	✓	✓	✓	✓	✓				
		INDIVIDUAL ENCLOSURES		Plug-in Mounting Arrangement	-	✓	✓	✓	✓	✓			
Rear-Connection Studs (Breaker Removable from Front)	-			✓	✓	✓	✓	✓	✓				
Telemat® Motor Operator	-			✓	✓	✓	✓	✓	✓				
SECTION	-			2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	2.7.5	
PAGE	-	2	2	2	2	1	1						
COMMERCIAL TYPE		NEMA 1-General Purpose	-	-	-	-	-	✓					
		NEMA 3-Weather Resistant (Weatherproof)	-	-	-	-	-	-	-				
INDUSTRIAL TYPE		NEMA 1A-Semi-Dusttight	-	-	-	-	-	-					
		NEMA 4, 5, 9-Watertight, Dusttight, Hazardous Locations	-	-	-	-	-	-	-				
		NEMA 7-Hazardous Locations	-	-	-	-	-	-	-				
		NEMA 12-Industrial-Use	-	✓	✓	✓	✓	✓	✓				

* Will interrupt 100,000 symmetrical rms amperes on a 277/480-volt system.
 † Available in three-pole construction only.
 ‡ CF frame will interrupt 200,000 symmetrical rms amperes at 240V ac - see section 2.4.2, Page 4A for General information.