

Ideally suited for higher amperage applications. Available with front and back mounting, screw terminals, stud terminals and heavy duty box wire connectors for solid wire or a pressure plate connector for stranded wire. Power selector device available, consult factory.

The E-Series is UL Listed and CSA Certified for Branch Circuit protection which does not require a fuse backup. It is also UL Recognized and CSA Certified as a Supplementary Protector and as a Manual Motor Controller.

1-6 poles, .1 - 100 amps, up to 600 VAC or 125 VDC, with choice of time delays and actuator colors.

Agency Certifications

UL Recognized

UL Standard 1077 Component Recognition Program as Protectors, Supplementary (Guide 71

QVNU2, File E75596)

UL Standard 508 Component Recognition Program as 77

Manual Motor Controls (Guide

NLRV2, File E135367)

UL Standard 1500 Protectors, Supplementary for Marine Electrical & Fuel Systems (પ

(Guide PEQZ2, File E75596) Ignition

Protection

UL Listed

UL Standard 489 Circuit Breakers, Molded Case <u>(U)</u>

(Guide DIVQ, File E129899)

CSA Accepted

TUV Certified

(SP

⇜

Protector (Class 3215 30, File œ.

047848 0 000)

CSA Standard C22.2 No. 235

Component Supplementary

CSA Certified Circuit Breaker Molded Case (Class

> 1432 01, File 093910), CSA Standard C22.2 No. 5.1 - M

EN60934 under License No.

R72031056

VDE Certified EN60934, VDE 0642 under File No.

10537



Table A: Lists UL Listed (489) & CSA Certified (C22.2 No. 5) configurations & performance capabilities as a Molded Case Circuit Breaker.

E-SERIES TABLE A : UL489 LISTED BRANCH CIRCUIT BREAKERS										
		VOLTAGE		CURRENT	INTERRUPTING CAPACITY					
CIRCUIT	1407			RATING	(AMPS)					
CONFIGURATION	GURATION MAX. RATING FREQUENCY PHAS	PHASE	FULL LOAD AMPS	WITHOUT BACKUP FUSE						
	80	DC		0.10 - 125	50,000					
	125	DC		0.10 - 125	10,000					
SERIES	120	50 / 60	1	0.10 - 125	10,000					
	120 / 240	50 / 60	1	0.10 - 125	10,000					
	240	50 / 60	1 & 3	0.10 - 100	5,000					

Electrical

Table B: Lists UL Recognized & CSA Accepted configurations & performance capabilities as a Component Supplementary Protector.

	E-SERIES TABLE B: COMPONENT SUPPLEMENTARY PROTECTORS										
		VOLTAGE		CURRENT RATING		SHORT CIRCUIT CAPACITY (AMPS)		APPLICATION CODES			
CIRCUIT CONFIGURATION					GENERAL		CSA			CONSTRUCTION NOTES	
	MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	PURPOSE	WITH BACKUP	WITHOUT BACKUP	UL	CSA		
	10111110			74011 0	AMPS	FUSE 1	FUSE				
	125	DC		0.02 - 120			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1		
	125	DC			101 - 120		5,000	TC1,2, OL0,U1	TC1,2, OL0,U1		
	160	DC		0.02 - 100			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1		
	150 / 300	DC		0.02 - 100			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1		
	120 / 240	50 / 60	1	0.02 - 100			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1		
SERIES & SHUNT	240	50 / 60	1	0.02 - 100			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1		
	250	50 / 60	1	0.02 - 100		10,000		TC1,2, OL1,C1	TC1,2, OL1,C1		
	277 50 / 60	50 / 60 1	0.02 - 100			5,000	TC1,2, OL1,U1	TC1,2, OL1,U1			
	211	50 / 60	1	0.02 - 100		10,000		TC1,2, OL1,C1	TC1,2, OL1,C1		
	480	50 / 60	1 & 3	0.02 - 100		10,000		TC1,2, OL1,C1	TC1,2, OL1,C1	2 Poles Breaking Single Phase, 3 or 4	
	600	50 / 60	1 & 3	0.02 - 100		10,000		TC1,2, OL1,C1	TC1,2, OL1,C1	Poles Breaking Three Phase	
	125	DC		0.02 - 120							
	160	DC		0.02 - 100							
SWITCH ONLY	240	50 / 60	1	0.02 - 100							
	277	50 / 60	1	0.02 - 100							
	480	50 / 60	1 & 3	0.02 - 100							
	600	50 / 60	1 & 3	0.02 - 100							

Notes for Table B:

Table C: Lists UL Recognized, CSA Accepted and VDE Certified configurations and performance capabilities as a Component Supplementary Protector.

E-SERIES TABLE C: COMPONENT SUPPLEMENTARY PROTECTORS											
	VOLTAGE		CURRENT	SHORT C	IRCUIT CAP	ACITY (AMPS)	APPLICATION CODES				
CIRCUIT		VOLIAGE		RATING	UL/	CSA	VDE (Icn)			CONSTRUCTION NOTES	
CONFIGURATION	MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	WITH BACKUP FUSE 1	WITHOUT BACKUP FUSE	WITHOUT BACKUP FUSE	UL	CSA	CONSTRUCTION NOTES	
	125	DC		0.02 - 120		5,000	5,000	TC1,2, OL1,U1	TC1,2, OL1,U1	1 - 2 Pole	
SERIES & SHUNT	240	50 / 60	1 & 3	0.02 - 100		5,000	5,000	TC1,2, OL1,U1	TC1,2, OL1,U1	1 - 5 Poles; Up to 4 Current Poles, 1 Voltage Pole	
	415	50 / 60	1 & 3	0.02 - 100	10,000		4,000	TC1,2, OL1,C1	TC1,2, OL1,C1	2 - 5 Poles; Up to 4 Current Poles, 1 Voltage Pole	
	125	DC		0.02 - 120							
SWITCH ONLY	240	50 / 60	1 & 3	0.02 - 100							
	415	50 / 60	1 & 3	0.02 - 100							

Notes for Table C

Table D: Lists UL Recognized, CSA Accepted configurations and performance capabilities as Protectors, Supplementary for Marine Electrical and Fuel Systems (Guide PEQZ2, File E75596). Ignition Protected per UL 1500. UL Classified Small Craft Electrical Devices, Marine in accordance with ISO 8846 (Guide UZMK, File MQ1515) as Marine Supplementary Protectors.

E-SERIES TABLE D: UL1500 (Marine Ignition Protected)										
CIRCUIT CONFIGURATION	VOLTAGE			CURRENT RATING	SHORT CIRCUIT CAPACITY (AMPS)	APPLICATION CODES				
	MAX. RATING	FREQUENCY	PHASE	FULL LOAD AMPS	WITHOUT BACKUP FUSE	UL	CSA			
	65	DC		0.02 - 100	5000	TC1,2,OL1,U1	TC1,2,OL1,U1			
SERIES	125	50 / 60	1	0.02 - 100	1500	TC1,2,OL1,U1	TC1,2,OL1,U1			
	250	50 / 60	1	0.02 - 100	1500	TC1,2,OL1,U1	TC1,2,OL1,U1			

¹ Requires branch circuit backup with a UL LISTED Type K5 or RK5 fuse rated 15A minimum and no more than 4 times full load amp rating and not to exceed 225 amps

¹ Requires branch circuit backup with a UL LISTED Type K5 or RK5 fuse rated 15A minimum and no more than 4 times full load amp rating and not to exceed 225 amps.

Electrical

Maximum Voltage 600VAC 50/60 Hz, 125VDC (See

Table A)

Current Ratings Standard current coils: 0.100, 0.250, 0.500, 1.00, 2.50, 5.00, 7.50, 10.0,

15.0, 20.0, 25.0, 30.0, 50.0, 60.0,

70.0 & 100 Amp.

Auxiliary Switch Rating SPDT; 10.1A 250VAC, 1.0A 65VDC;

 $0.5 \text{A 80VDC},\, 0.1 \text{A 125VAC}$ (with

gold contacts).

Insulation Resistance Minimum of 100 Megohms at 500

VDC.

Dielectric Strength UL, CSA: 2200 V 50/60 Hz for one

minute between all electrically isolated terminals. E-Series Circuit
Breakers comply with the 8mm spacing and 3750V 50/60 Hz dielectric requirements from hazardous voltage to operator accessible surfaces, between adjacent poles and from main circuits to auxiliary circuits per Publications EN 60950 and

VDE 0805.

Resistance, Impedance Values from Line to Load Terminal -

based on Series Trip Circuit Breaker.

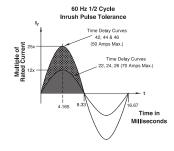
RESISTANCE, IMPEDANCE VALUES from Line to Load Terminals (Values Based on Series Trip Circuit Breaker)

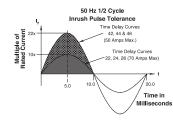
AMPERE RATING

CURRENT (AMPS)	TOLERANCE (%)
0.10 - 5.0	± 15%
5.1 - 20.0	± 25%
20.1 - 125.0	± 35%
	-

Pulse Tolerance Curves

0.0001





Mechanical

Endurance 10,000 ON-OFF operations @ 6 per

minute; with rated Current and

Voltage.

Trip Free All E-Series Circuit Breakers will trip

on overload, even when Handle is forcibly held in the ON position.

Trip Indication The operating Handle moves posi-

tively to the OFF position when an overload causes the breaker to trip.

Physical

Number of Poles 1 - 6

Connectors, Box Type

Mounting A 3" minimum spacing must be pro-

vided between the circuit breaker

arc venting area on back

connected E-Series circuit breakers and grounded obstructions. E-Series circuit breakers must be mounted on a vertical surface.

Front connected E-Series circuit

breakers are supplied with box type pressure connectors that accept copper or aluminum conductors as

follows: 1/0-14 Copper, 1/0-12

Aluminum.

Internal Circuit Series and Switch Only, (with or

Configuration without auxiliary switch). Shunt with

current coils.

Weight Approximately 252 grams/pole

(Approximately 9 ounces/pole)

Standard Colors Housing-Black; Actuator - See

Ordering Scheme.

Environmental

Thermal Shock

Designed and tested in accordance with requirements of specifi-

cation MIL-PRF- 55629 and MIL-STD-202 as follows:

Shock Withstands 100 Gs. 6ms. sawtooth

while carrying rated current per Method 213, Test Condition "I".

Vibration Withstands 0.060" excursion from

10-55 Hz, and 10 Gs 55-500 Hz, at rated current per Method 204C,

Test Condition A.

Moisture Resistance Method 106D, i.e., ten 24-hour

cycles @ + 25°C to +65°C, 80-98%

RH.

Salt Spray Method 101, Condition A (90-95%

RH @ 5% NaCl Solution, 96 hrs). Method 107D, Condition A (Five cycles @ -55°C to +25°C to +85°C

to +25°C).

Operating Temperature -40° C to +85° C



					Switch		& D	elay
1 SE E	RIES							
2 AC Han A	CTUATOR dle Handle, one	per pole)					
3 PC 1 2	OLES ¹ One Two		3 4	Three Four		5 6	Fiv Siz	
4 CII A ³ B C D	RCUIT ² Switch Only Series Trip (Series Trip (Shunt Trip (Current) Voltage)	•	E F G	Shunt Relay Relay	Ггір (Сі	urrent)
5 AU 0 2 3 4	without Auxi S.P.D.T. 0.1 S.P.D.T. 0.1 S.P.D.T. 0.1 (Gold Conta	liary Swi 10 Q.C. 39 Solde 10 Q.C.	Terminals er Lug		S.P.D.1 (Gold (S.P.D.1	7. 0.110 Contact 7. 0.18	0 Q.C. ts) 7 Q.C	. Terminals . Terminals . Terminals . Terminals
6 FR 03 ³ 10 ⁵ 12 14 16 20 ⁵ 22 24 26 30 32	EQUENCY & I DC 50/60Hz DC Instanta DC Short DC Medium DC Long 50/60Hz Ins 50/60Hz SM 50/60Hz Loi DC, 50/60H. DC, 50/60H.	tantaned ort dium ng z Instant	ous	34 36 62 64 66 72 74 76 92 ⁶ 94 ⁶	50/60H DC, Sh DC,Me DC, Lc DC, 50 DC, 50 Hi-Inrus	/60Hz lz Shoi lz Med lz Lon nort, Hi- dium, long, Hi /60Hz /60Hz	Long rt, Hi- dium, g, Hi- Inrush Hi-Inrush Inrush Short, Mediu	Inrush Hi-Inrush Inrush n ush sh , Hi-Inrush
020 025 030 035 040 045 050 065 070 075 080 085 090 210 215 220 225	0.020 0.025 0.030 0.035 0.040 0.045 0.055 0.060 0.055 0.060 0.065 0.070 0.075 0.080 0.085 0.090 0.095 0.100 0.150 0.200 0.250 0.300 VOLTAGE CO 6 DC, 5 D 12 DC, 10 D 18 DC, 15 D 24 DC, 20 D 32 DC, 25 D 48 DC, 40 D	235 240 245 250 255 260 265 275 280 285 290 295 410 512 415 517 420 522 425 517 (MIN. C	0.350 0.400 0.450 0.500 0.550 0.600 0.650 0.750 0.800 0.850 0.950 1.000 1.250 1.500 2.250 2.500 2.750 2.	430 435 440 445 450 465 470 475 480 485 490 495 610 710 611 711 612 712 613	0C 0C 0C 0C 0C	J48 J65 K20 L40 2	690 810 811 812 912 ⁸ 48 / 65 / 120 /	14.000 15.000 16.000 17.000 18.000 20.000 22.000 24.000 25.000 30.000 35.000 40.000 50.000 60.000 70.000 80.000 100.000 110.000 120.000 125.000 4C, 40 AC AC, 65 AC C, 130 AC

NOTES

- VDE approval on 1-5 poles only. Standard multi-pole units identical poles except when specifying auxiliary switch (see Note 4). For mixed ratings, consult factory.
- Switch Only & Series Trip construction available w/either front or back connected terminals.
- Shunt construction available w/back connected terminals, (Terminal Codes 1 & 2) only. Circuit Codes B,C & D are VDE approved.

 Switch Only construction: 30 amps or less select Current Rating Code 630; 31-70 amps, select Current Rating code 670; 71-100 amps, select Current Rating Code 810; 101-125 amps Select Current Rating Code 912. Switch Only is VDE approved only if tied to a pro-
- Auxiliary Switch available on Switch Only and Series Trip units. On multi-pole units, only one auxiliary switch is normally supplied mounted in the extreme right pole. Back mounted units require special mounting provisions when auxiliary switch is specified. VDE approval on Auxiliary Switch Codes 0,2,3 & 4 only.

	Katin	9
8 TE	ERMINAL ¹²	
BAC	CK CONNECTED (FRONT MOUNTED ONLY)	IAX. RATING
1º	10-32 Stud (All Terminals)	50 A
2 9	1/4-20 Stud (All Terminals)	100 A
Α°	M5 Stud (Line & Load)	50 A
В°	M6 Stud (Line & Load)	100 A
		IAX. RATING
3 ¹⁰	Box Wire Connector (Line & Load)	100 A
C11	Box Wire Connector w/ Pressure Plate (Line & Load)	100 A
4	10-32 Screw (Line & Load)	50 A
D	M5 Screw (Line & Load)	50 A
5	10-32 "Bus-Type" Screw (Line), 10-32 Screw (Load)	50 A
Е	M5 "Bus-Type" Screw (Line), 10-32 Screw (Load)	50 A
6¹º	10-32 "Bus-Type" Screw (Line), Box Wire Connector (Loa	ad) 100 A
F ¹¹	10-32 "Bus-Type" Screw (Line), Box Wire Connector	
	w/ Pressure Plate (Load)	100 A
7	1/4-20 Screw (Line & Load)	100 A
G	M6 Screw (Line & Load)	100 A
8	1/4-20 "Bus-Type" Screw (Line), 1/4-20 Screw (Load)	100 A
Н	M6 "Bus-Type" Screw (Line), M6 Screw (Load)	100 A
910	1/4-20 "Bus-Type" Screw (Line), Box Wire Connector (Lo	ad) 100 A
J ¹¹	1/4-20 "Bus-Type" Screw (Line), Box Wire Connector	
	w/ Pressure Plate (Load)	100 A

9 ACTUATOR COLOR & LEGEND ¹³								
Actuator Color	Marki	ng:		Marking Color:				
Color:	I-O	ON-OFF	Dual	_				
White	Α	В	1	Black				
Black	С	D	2	White				
Red	F	G	3	White				
Green	Н	J	4	White				
Blue	K	L	5	White				
Yellow	M	N	6	Black				
Gray	Р	Q	7	Black				
Orange	R	S	8	Black				

10 MOUNTING/BARRIERS BACK CONNECTED (FRONT MOUNTED ONLY)

Mounting Inserts

В ISO M3

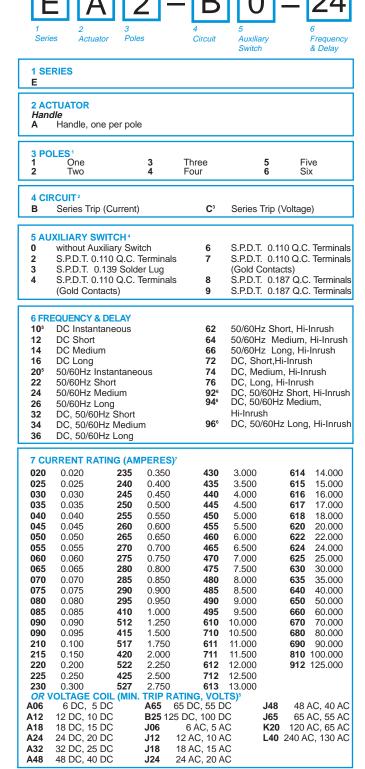
FRC	RONT CONNECTED (BACK MOUNTED ONLY) 19								
	Back Mounting Foot Type	Front Mounting Inserts (Optional Use)							
С	Short	6-32							
D	Short	ISO M3							
E	Long	6-32							
F	Long	ISO M3							

11 MAXIMUM APPLICATION RATING15

Α	65 VDC, 120 A	G ¹⁶	600 VAC, 100 A
В	125 VDC, 120 A	H^{16}	480 VAC, 100 A
С	120/240 VAC, 100 A	J ¹⁶	415 VAC, 100 A
D	240 VAC, 100 A	L16	160 VDC, 100 A
E^{16}	277/480 VAC, 100 A	Т	125 VDC/240 VAC, 100 A
F	277 VAC, 100 A	W^{16}	125 VDC/415 VAC, 100 A

12 AGENCY APPROVAL

- UL 1077 / UL508 Recognized & CSA Accepted
- UL 1077 Recognized, CSA Accepted, & VDE Certified
- Voltage Trip Coils are not rated for continuous duty. Available only with Frequency & Delay Codes 10 & 20. Series Trip construction with a voltage coil s VDE approved only if tied to a protected pole
- Frequency & Delay Codes 92,94 & 96 are not VDE Certified. Current Coil Ratings 0.100 100 ams are VDE Certified.
- 125 A rating (Code 912) available as a Switch Only (Circuit Code A), rated 125 VDC (Code B).
- An Anti-Flash Over Barrier is supplied between poles on multi-pole units with 10-32 (Terminal Code 1). 1/4-20 (Code 2), M5 (Code A), and M6 (Code B) terminals per UL requirement.
- Box Wire Connector will accept #14 through 0 AWG. copper wire or #12 through 0 AWG. 10 aluminum wire.
- Box Wire Connector with Pressure Plate for stranded wire, consult factory for details. 11
- Terminal Codes A,B,D,E,G & H are not VDE Certified. 12
- VDE approvals require Dual (I-O, ON-OFF) or I-O markings on all handles.
- 14 Back Mounted breakers can also be front mounted by utilizing the proper front panel mounting inserts normally supplied. However, terminal connections must be made prior to mounting.
- Application ratings B,D,J,T & W are available with VDE.
- 16 415, 480 & 600 VAC ratings require 3 or 4 pole break 3Ø and 2 pole break 1Ø.



450 –	1	2	Α	- C	С
7	8	0	10	11	12

Mounting/

Maximum

Application Rating

Agency

Approval

Actuator

Color

Terminal

8 TE	RMINAL ⁷	
BAC	K CONNECTED (FRONT MOUNTED ONLY)	MAX. RATING
1 ⁸	10-32 Stud (All Terminals)	50 A
2 ⁸	1/4-20 Stud (All Terminals)	100 A
FRO	NT CONNECTED (BACK MOUNTED ONLY)	MAX. RATING
3°	Box Wire Connector (Line & Load)	100 A
C10	Box Wire Connector w/ Pressure Plate (Line & Load)	100 A
4	10-32 Screw (Line & Load)	50 A
5	10-32 "Bus-Type" Screw (Line), 10-32 Screw (Load)	50 A
6°	10-32 "Bus-Type" Screw (Line), Box Wire Connector (Lo	ad) 100 A
F ¹⁰	10-32 "Bus-Type" Screw (Line), Box Wire Connector	
	w/ Pressure Plate (Load)	100 A
7	1/4-20 Screw (Line & Load)	100 A
8	1/4-20 "Bus-Type" Screw (Line), 1/4-20 Screw (Load)	100 A
9°	1/4-20 "Bus-Type" Screw (Line), Box Wire Connector (Line)	oad) 100 A
J ¹⁰	1/4-20 "Bus-Type" Screw (Line), Box Wire Connector	
	w/ Pressure Plate (Load)	100 A

9 ACTUATOR COLOR & LEGEND ¹²						
Actuator Color:	Marking:		Marking Color:			
Color:	ON-OFF	Dual				
White	В	1	Black			
Black	D	2	White			
Red	G	3	White			
Green	J	4	White			
Blue	L	5	White			
Yellow	N	6	Black			
Gray	Q	7	Black			
Orange	S	8	Black			

10 [MOUNTING/BARRIERS			
BACK CONNECTED (FRONT MOUNTED ONLY)				
	Mounting Inserts			
Α	6-32			
_	100.110			

Current Rating

FRONT CONNECTED (BACK MOUNTED ONLY) 11

	Back Mounting Foot Type	Front Mounting Inserts (Optional Use)
С	Short	6-32
D	Short	ISO M3
Е	Long	6-32
F	Long	ISO M3

11 MAXIMUM APPLICATION RATING

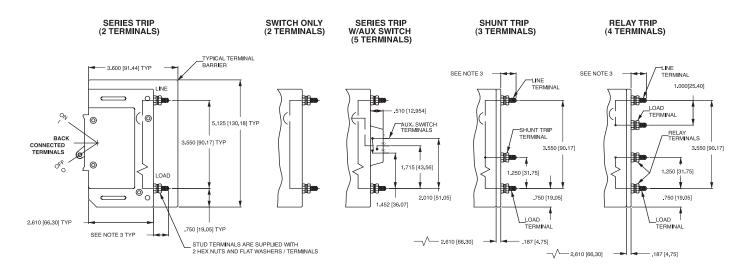
125 VDC, 100A 120/240 VAC, 100A C13 D 240 VAC, 100A

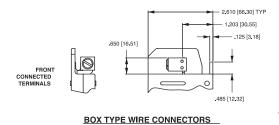
12 AGENCY APPROVAL

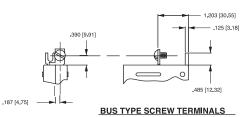
UL 489 Listed & CSA Certified

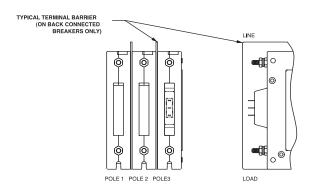
UL 489 Listed, CSA Certified, & VDE Certified

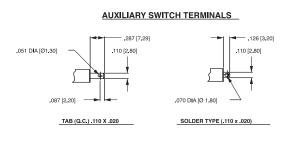
- Standard multi-pole units identical poles except when specifying auxiliary switch (see
- Note 4). For mixed ratings, consult factory. VDE Certification on 1-5 poles only. Series Trip construction available w/either front or back connected terminals.
- Series Trip construction with a voltage coil is not available as a single pole unit and must
- On multi-pole units, only one auxiliary switch is normally supplied mounted in the extreme right pole per Figure A. Back mounted units require special mounting provisions when auxiliary switch is specified. VDE Certification on auxiliary switch codes 0, 2, 3 & 4 only.
- Voltage Trip Coils are not rated for continuous duty. Available only with Frequency & Delay Codes 10 & 20.
- Frequency & Delay Codes 92, 94 & 96 are not VDE Certified.
- Current Ratings under 0.100 amps are not VDE Certified
- An Anti-Flash Over Barrier is supplied between poles on multi-pole units with 10-32 Stud (Terminal Code 1) or 1/4-20 Stud (Code 2) terminals per UL requirement. 8
- 9 Box Wire Connector will accept #14 through 0 AWG. copper wire or #12 through 0 AWG.
- Box Wire Connector with Pressure Plate for stranded wire, consult factory for details
- 11 Back Mounted breakers can also be front mounted by utilizing the proper front panel mounting inserts normally supplied. However, terminal connections must be made prior to
- VDE Certification requires dual (I-O , ON-OFF) markings on all handles 12
- Not available with VDE Certification. 13







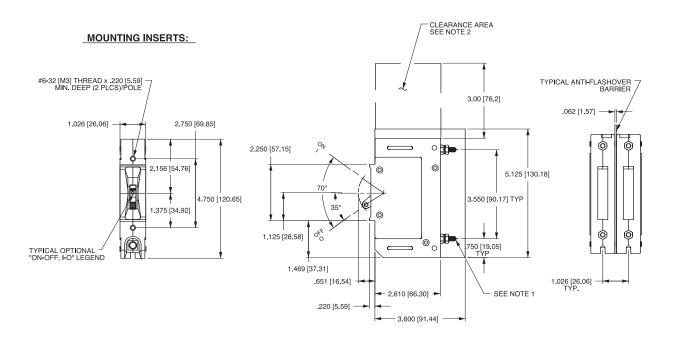




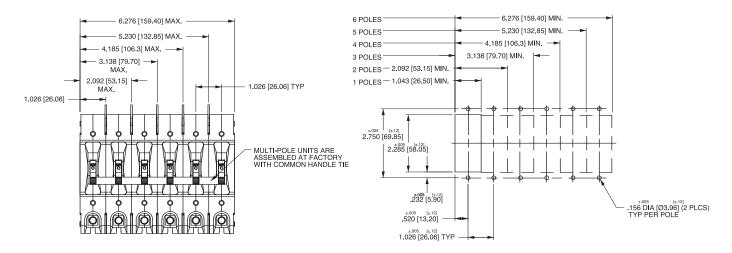
MULTI-POLE IDENTIFICATION SCHEME

TABLE A TIGHTENING TORQUE SPECIFICATIONS					
THREAD SIZE TERMINAL TYPE	WIRE SIZE	TORQUE			
#6-32 [M3] HARDWARE		7-9 IN-LBS [0,8-1,0 NM]			
#10-32 THD TERMINAL SCREW	ALL	15-20 IN-LBS [1,7-2,3 NM]			
1/4-20 THD TERMINAL SCREW	ALL	30-35 IN-LBS [3,4-4,0 NM]			
#10-32 STUDS	ALL	15-20 IN-LBS [1.7-2.3 NM]			
1/4-20 STUDS	ALL	30-35 IN-LBS [3,4-4,0 NM]			
	14-10 AWG	35 IN-LBS [4.0 NM]			
BOX WIRE	8 AWG	40 IN-LBS [4,5 NM]			
CONNECTOR	6-4 AWG	45 IN-LBS [5.1 NM]			
	3-1/0 AWG	50 IN-LBS [5.7 NM]			

- All dimensions are in inches [millimeters]. Tolerance ±.020 [.51] unless otherwise specified.
- 0-50 amps: 10-32 & M5 Studs .625±062/15.88±1.574 long. 51-120 amps: 1/4-20 & M6 Studs .750±062/19.05±1574 long.

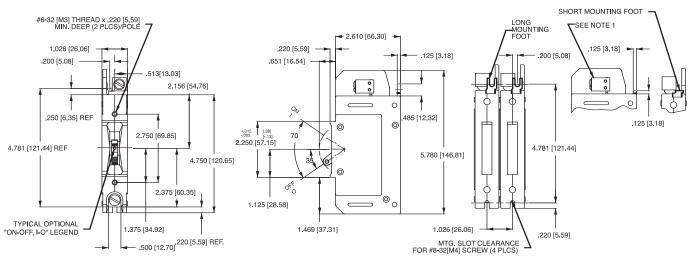


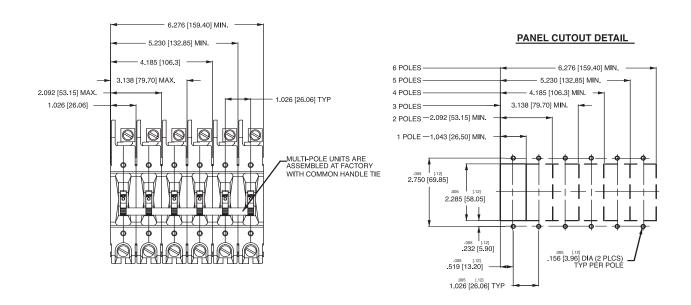
PANEL CUTOUT DETAIL



- 1/4 -20 stud terminal in Series Trip circuit configuration shown.
- A 3" min spacing must be provided between the circuit breaker arc venting area of back connected E-Series circuit breaker and grounded obstructions. All dimensions are in inches [millimeters].
- 3 4 Tolerance ±.020 [.51] unless otherwise specified.
- Circuit breakers must be mounted on vertical surface.

MOUNTING INSERTS:





Notes:

- All dimensions are in inches [millimeters].
- Tolerance ±.020 [.51] unless otherwise specified.
- Box wire connector terminal in Series Trip circuit configuration shown. Circuit breakers must be mounted on vertical surface. 3