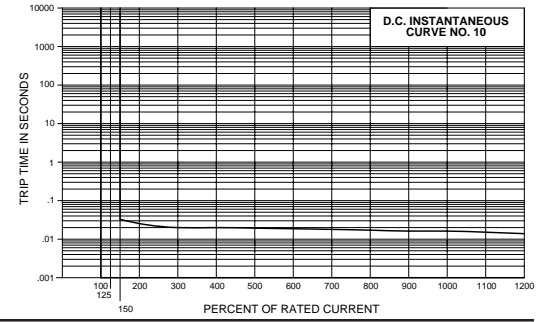
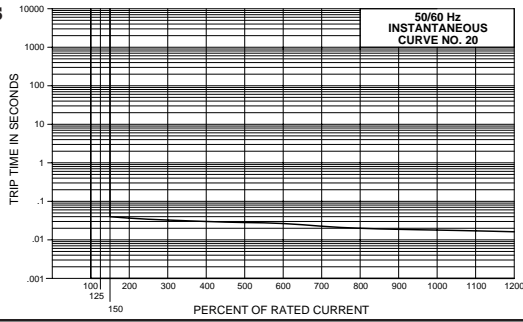


## Time Delay Values (A, B, C & D-Series)

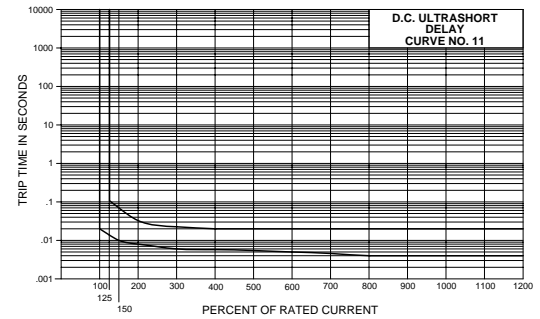
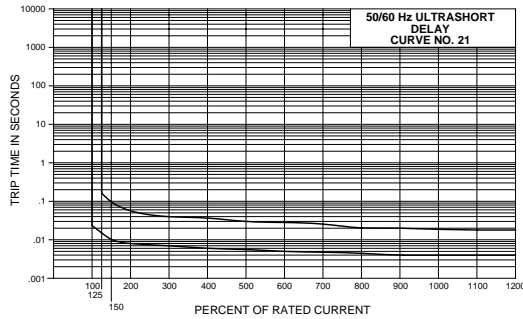
### AC

### DC

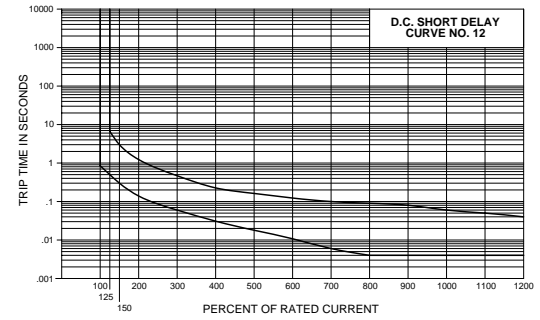
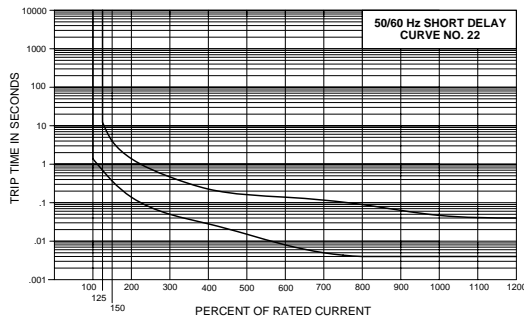
#### Instantaneous



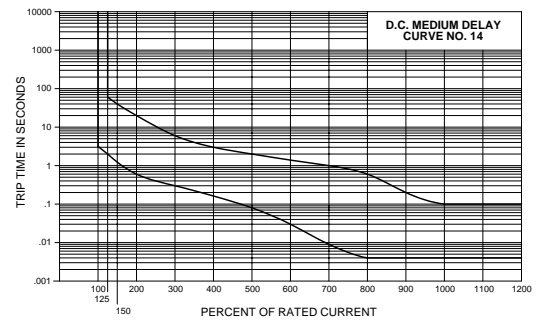
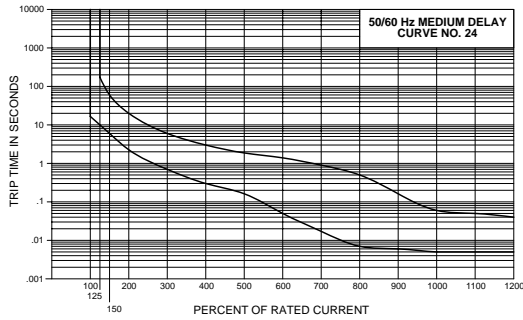
#### Ultrashort



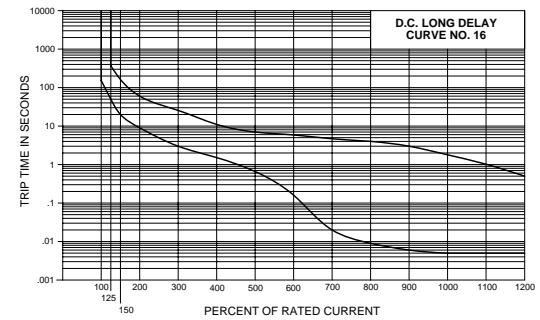
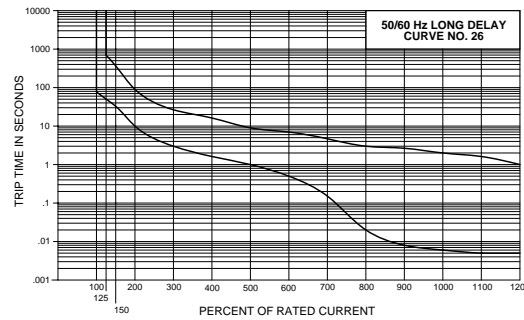
#### Short



#### Medium



#### Long



#### NOTES

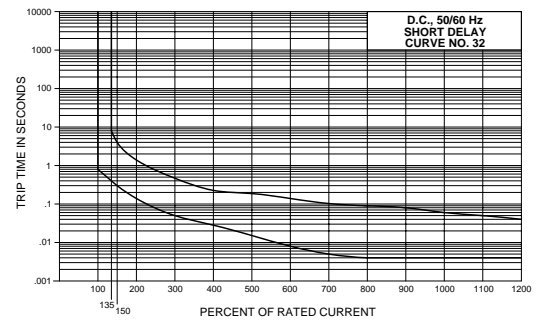
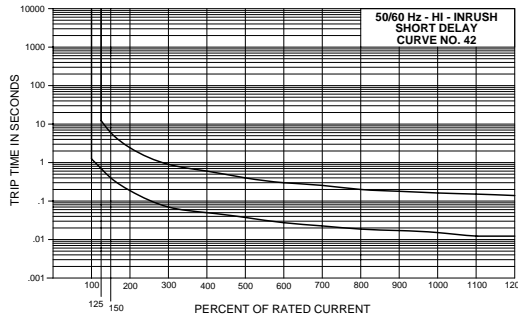
UL489 C-Series Breakers available with Delay Curves 11, 12, 14, 16, 21, 22, 24, 26, 42, 44, 46  
 Delay Curves 11,12,14,16,21,22,24,26,42,44,46: Breakers to hold 100% and must trip at 125% of rated current and greater within the time limit shown in this curve.  
 Delay Curves 32,34,36: Breakers to hold 100% and must trip at 135% of rated current and greater within the time limit shown in this curve.  
 Delay Curves 10,20: Breakers to hold 100% and must trip at 150% of rated current and greater within the time limit shown in this curve.  
 All Curves: Curve data shown represents breaker response at ambient temperature of 77°F (25°C) with no preloading. Breakers are mounted in standard wall-mount position.  
 On 50 amp and less current ratings, the minimum inrush pulse tolerance handling capability is 12 times the rated current on standard delays and 25 times the rated current on high inrush delays. These values are based on a 60 Hz 1/2 cycle, 8 ms pulse. High inrush delays should be specified for applications with high initial surge currents of short duration such as switching power supplies, highly capacitive and transformer loads.

## Time Delay Values (A, B, C & D-Series)

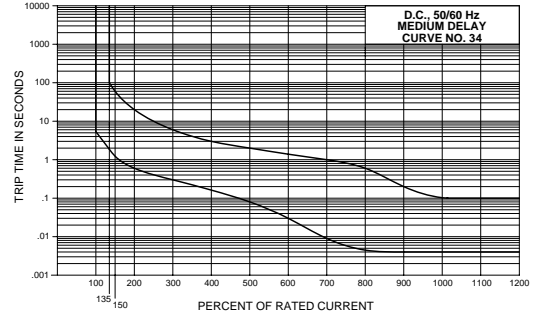
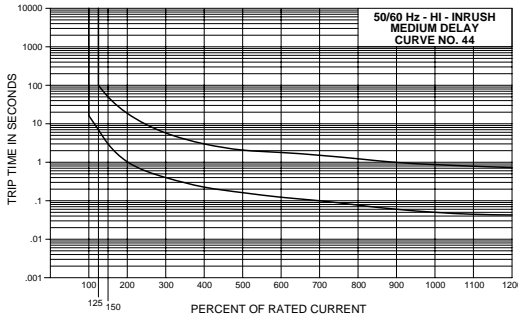
### HI-INRUSH AC Delay Curves

### Dual Rated AC/DC Delay Curves

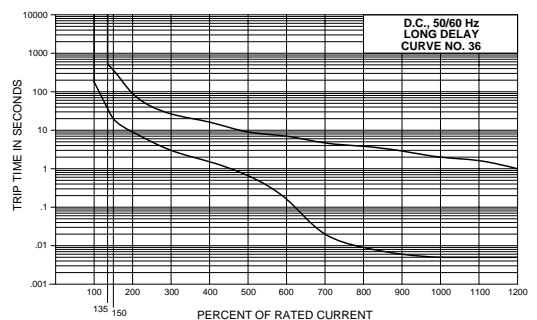
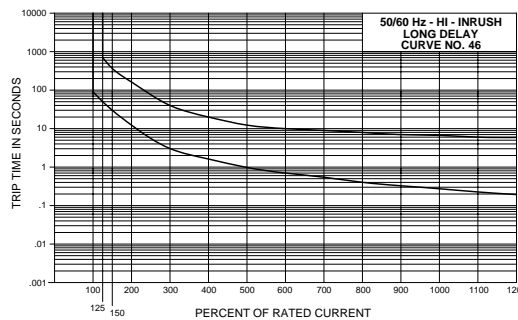
#### Short



#### Medium



#### Long



		PERCENT OF RATED CURRENT										
		DELAY	100%	125%	135%	150%	200%	400%	600%	800%	1000%	1200%
TRIP TIME (SECONDS)	10	NO TRIP	MAY TRIP	---	.032 MAX	.024 MAX	.020 MAX	.018 MAX	.016 MAX	.015 MAX	.013 MAX	
	11	NO TRIP	.013 - .125	---	.010 - .070	.008 - .032	.006 - .020	.005 - .020	.004 - .020	.004 - .020	.004 - .020	
	12	NO TRIP	.500 - 6.50	---	.300 - 3.00	.130 - 1.20	.031 - .220	.011 - .120	.004 - .090	.004 - .060	.004 - .040	
	14	NO TRIP	2.00 - 60.0	---	1.20 - 40.0	.600 - 20.0	.150 - 3.00	.030 - 1.30	.004 - .600	.004 - .100	.004 - .100	
	16	NO TRIP	45.0 - 345	---	20.0 - 150	9.00 - 60.0	1.40 - 11.4	.150 - 5.80	.009 - 3.70	.005 - 1.70	.005 - 5.00	
	20	NO TRIP	MAY TRIP	---	.040 MAX	.035 MAX	.030 MAX	.025 MAX	.020 MAX	.017 MAX	.015 MAX	
	21	NO TRIP	.014 - .150	---	.011 - .095	.008 - .055	.006 - .035	.005 - .027	.005 - .021	.004 - .018	.004 - .017	
	22	NO TRIP	.700 - 12.0	---	.350 - 4.00	.130 - 1.30	.027 - .220	.008 - .130	.004 - .090	.004 - .045	.004 - .040	
	24	NO TRIP	10.0 - 160	---	6.00 - 60.0	2.20 - 20.0	.300 - 3.00	.050 - 1.30	.007 - .500	.005 - .060	.005 - .040	
	26	NO TRIP	50.0 - 700	---	32.0 - 350	10.0 - 90.0	1.50 - 15.0	.500 - 7.00	.020 - 3.00	.006 - 2.00	.005 - 1.00	
	32	NO TRIP	MAY TRIP	.400 - 8.00	.300 - 4.00	.130 - 1.30	.027 - .220	.008 - .130	.004 - .090	.004 - .060	.004 - .040	
	34	NO TRIP	MAY TRIP	1.80 - 100	1.20 - 60.0	.600 - 20.0	.150 - 3.00	.030 - 1.30	.004 - .600	.004 - .110	.004 - .100	
	36	NO TRIP	MAY TRIP	35.0 - 520	20.0 - 350	9.00 - 90.0	1.40 - 15.0	.150 - 7.00	.009 - 3.70	.005 - 2.00	.004 - 1.00	
	42	NO TRIP	.700 - 12.0	---	.400 - 6.00	.180 - 2.30	.050 - .600	.026 - .300	.018 - .200	.014 - .150	.012 - .130	
44	NO TRIP	7.00 - 100	---	3.00 - 50.0	1.10 - 18.0	.220 - 3.00	.120 - 1.70	.075 - 1.20	.050 - .850	.042 - .720		
46	NO TRIP	50.0 - 700	---	31.0 - 350	12.0 - 150	1.50 - 20.0	.700 - 10.0	.404 - 7.90	.260 - 6.50	.198 - 5.80		
52	NO TRIP	.500 - 6.50	---	.340 - 4.50	.180 - 2.30	.051 - .600	.030 - .320	.018 - .220	.014 - .200	.012 - .130		
54	NO TRIP	1.50 - 50.0	---	.750 - 35.0	.350 - 18.0	.110 - 3.00	.070 - 1.70	.045 - 1.40	.039 - 1.30	.035 - 1.30		
56	NO TRIP	45.0 - 345	---	19.0 - 170	8.50 - 100	1.24 - 15.0	.410 - 9.00	.256 - 8.00	.210 - 5.50	.198 - 2.90		

#### NOTES

UL489 C-Series Breakers available with Delay Curves 11, 12, 14, 16, 21, 22, 24, 26, 42, 44, 46.

Delay Curves 11,12,14,16,21,22,24,26,42,44,46: Breakers to hold 100% and must trip at 125% of rated current and greater within the time limit shown in this curve.

Delay Curves 32,34,36: Breakers to hold 100% and must trip at 135% of rated current and greater within the time limit shown in this curve.

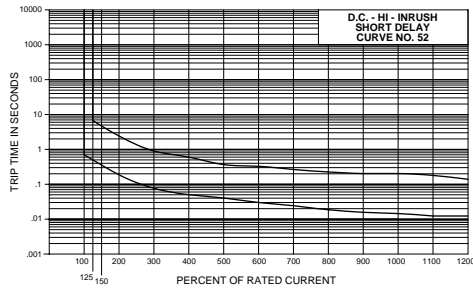
Delay Curves 10,20: Breakers to hold 100% and must trip at 150% of rated current and greater within the time limit shown in this curve.

All Curves: Curve data shown represents breaker response at ambient temperature of 77°F (25°C) with no preloading. Breakers are mounted in standard wall-mount position.

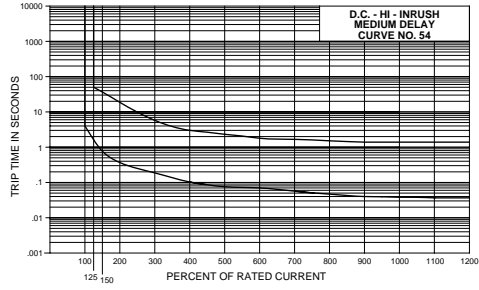
On 50 amp and less current ratings, the minimum inrush pulse tolerance handling capability is 12 times the rated current on standard delays and 25 times the rated current on high inrush delays. These values are based on a 60 Hz 1/2 cycle, 8 ms pulse. High inrush delays should be specified for applications with high initial surge currents of short duration such as switching power supplies, highly capacitive and transformer loads.

## Time Delay Values (A, B, C & D-Series) HI-INRUSH DC Delay Curves

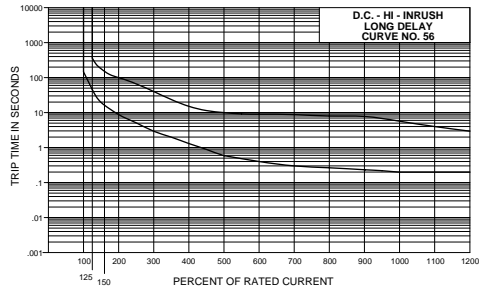
### Short



### Medium



### Long



## B-Series – Handle Actuator (World Market Design)



Designed specifically for world market applications requiring extra insulation and tongue and groove half shell construction.

1-6 poles, 0.02 - 50 amps, up to 277 VAC or 80 VDC, with choice of time delays, terminals and actuator colors.

### Agency Approvals

UL Recognized under the Component Recognition Program as Protectors, Supplementary (Guide QVNU2, File E75596), Appliance Controls (Guide ATNZ2, File E75768), UL Standard 1077, Marine Electrical and Fuel Systems (Guide PEQZ2, File E75596), UL Standard 1500 (Ignition - Protection).

CSA Certified as Supplementary Protectors under Class 3215 01, File LR47848, CSA Standard C22.2 No. 235.

VDE Certified to DIN VDE 0660, Part 101/09.82 under VDE - Reg.- Nr. 2495.



UL



CSA



VDE



UL1500

## General Specifications

### ELECTRICAL

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

AS A COMPONENT SUPPLEMENTARY PROTECTOR							
CIRCUIT CONFIGURATION	VOLTAGE			CURRENT RATING FULL LOAD AMPS	INTERRUPTING CAPACITY, AMPS		
	MAX RATING	FREQUENCY	PHASE		with BACKUP FUSE	without BACKUP FUSE	
					UL/CSA	UL/CSA <sup>1</sup>	VDE 1.
SERIES	65	D.C.	--	31 - 50	--	3000	--
	80	D.C.	--	0.02 - 30	--	3000	1500
	250	50/60 Hz	1 & 3 Ø	0.02 - 20	5000 (•)	--	1500
	250	50/60 Hz	1 & 3 Ø	21 - 30	2000 (•)	--	1500
					[5000] (••)		
	125/250	50/60 Hz	1 Ø	0.02 - 30	--	3000	--
	125/250	50/60 Hz	1 Ø	31 - 50	--	2000	--
DUAL COIL	250	50/60 Hz	1 & 3 Ø	0.02 - 20	5000 (•)	--	1500(••••)
	250	50/60 Hz	1 & 3 Ø	21 - 30	2000 (•)	--	1500(••••)
					[5000] (••)		
	277	50/60 Hz	1 Ø	0.02 - 30	5000 (•)	--	--
SHUNT	80	D.C.	--	0.02 - 30	--	3000	1500
	250	50/60 Hz	1 & 3 Ø	0.02 - 20	5000 (•)	--	1500
	250	50/60 Hz	1 & 3 Ø	21 - 30	2000 (•)	--	1500
					[5000] (••)		
RELAY	277	50/60 Hz	1 Ø	0.02 - 30	5000 (•)	--	--
	80	D.C.	--	0.02 - 30	--	3000	--
	250	50/60 Hz	1 & 3 Ø	0.02 - 20	5000 (•)	--	--
SWITCH ONLY	250	50/60 Hz	1 & 3 Ø	21 - 30	2000 (•)	--	--
					[5000] (••)		
	277 (••)	50/60 Hz	1 Ø	0.02 - 30	5000 (•)	--	--

#### NOTES

1 Interrupting capacities are without back-up series fuses.

• Requires branch-circuit backup with a UL Listed type K5 or RK5 fuse at no more than four times the rating of the highest rated protector (15A minimum).

•• Same as above (•) except that the backup fuse is limited to 80A max.

••• 2 pole protector required (with one pole per power line): for 250/125 VAC, 125/250 VAC, and 208Y/120 VAC Power Systems. 1-pole protector required for 125 VAC, 1Ø Power System.

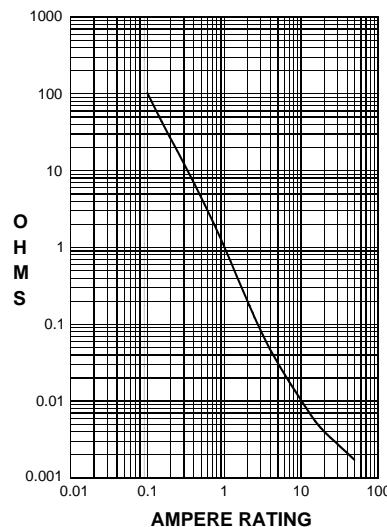
•••• Dual Coil Shunt Trip only; VDE Certified.

## General Specifications (cont.)

**Table B:** Lists UL Recognized, CSA Certified configurations and performance capabilities as Protectors, Supplementary for Marine Electrical and Fuel Systems (Guide PEQZ2, File E75596). Ignition Protected per UL Standard 1500. UL Classified Small Craft Electrical Devices, Marine in accordance with ISO8846 (Guide UZMK, File MQ1515) as Marine Supplementary Protectors.

UL - 1500 (MARINE IGNITION PROTECTED)					
CIRCUIT CONFIGURATION	VOLTAGE			CURRENT RATING	INTERRUPTING CAPACITY AMPS
	MAX RATING	FREQ.	PHASE	FULL LOAD AMPS	
SERIES	65	D.C.	-	0.02 - 50	1500 (1)
	125/250	50/60 Hz	1Ø	0.02 - 50	1500 (1)
	250	50/60 Hz	1Ø	0.02 - 30	1000 (1)

Maximum Voltage 277VAC 50/60 Hz, 65VDC  
 Current Ratings Standard current coils: 0.100, 0.250, 0.500, 0.750, 1.00, 2.50, 5.00, 7.50, 10.0, 15.0, 20.0, 25.0, 30.0, 35.0, 40.0 and 50.0 amps. Other ratings available - consult factory.  
 Standard Voltage Coils DC - 6V, 12V; AC - 120V, other ratings available, consult factory.  
 Auxiliary Switch Rating SPDT; 10.1 AMPS - 250VAC, 5.0 AMPS - 30VDC, 0.1 Amps - 125VAC (with gold contacts). VDE-1.0 Amp - 125VAC.  
 Insulation Resistance Minimum of 100 Megohms at 500 VDC.  
 Dielectric Strength UL, CSA - 1500 V 50/60 Hz for one minute between all electrically isolated terminals. B-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 IEC 380, 435, 950, EN 60950 and VDE 0805.  
 Resistance, Impedance Values from Line to Load Terminal - based on Series Trip Circuit Breaker



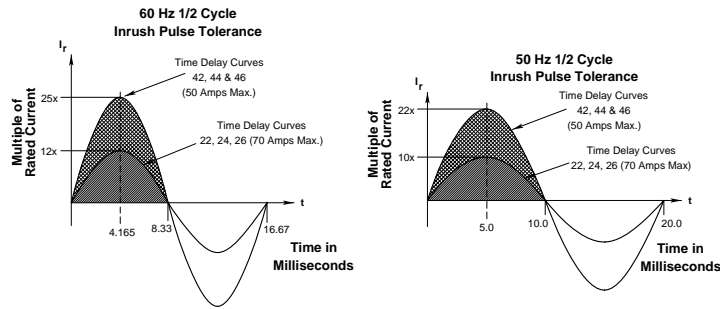
CURRENT (AMPS)	TOLERANCE (%)
0.100 - 5.0	±15
5.1 - 20.0	±25
20.1 - 50.0	±35

NOTES FOR TABLE B:

1. Units do not require backup (series) fusing.

**General Specifications (cont.)**

**Pulse Tolerance Curves**



**MECHANICAL**

Endurance  
Trip Free

10,000 ON-OFF operations @ 6 per minute; with rated Current and Voltage.  
All B-Series Circuit Breakers will trip on overload, even when Handle is forcibly held in the ON position.

Trip Indication

The operating Handle moves positively to the OFF position when an overload causes the breaker to trip.

**ENVIRONMENTAL**

Environmental

Designed and tested in accordance with requirements of specification MIL-C- 55629 and MIL-STD-202 as follows:

Shock

Withstands 100 Gs, 6ms, sawtooth while carrying rated current per Method 213, Test Condition "I". Instantaneous and ultra-short curves tested @ 90% of rated current.

Vibration

Withstands 0.060" excursion from 10-55 Hz, and 10 Gs 55-500 Hz, at rated current per Method 204C, Test Condition A. Instantaneous and ultrashort curves tested at 90% of rated current.

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).

Thermal Shock

Method 107D, Condition A (Five cycles @ -55°C to +25°C to +85°C to +25°C).

Operating Temperature

-40° C to +85° C

**PHYSICAL**

Number of Poles

1 - 6 poles at 30 Amps or less. 1 and 2 poles at 31 Amps thru 50 Amps.

Internal Circuit Configurations

Series, (with or without auxiliary switch), Shunt and Relay with current or voltage trip coils, Dual Coil, Switch Only (with or without auxiliary switch).

Weight

Approximately 65 grams/pole (Approximately 2.32 ounces/pole)

Standard Colors

Housing-Black; Actuator-See Ordering Scheme.

## Circuit and Terminal Diagrams

CIRCUIT BREAKER PROFILE	CIRCUIT SCHEMATIC		CIRCUIT CODE	AUX SWITCH CODE	CIRCUIT SCHEMATIC		CIRCUIT CODE	AUX SWITCH CODE
	ANSI	IEC			ANSI	IEC		
	SWITCH ONLY (NO COIL)				SERIES TRIP			
<p><b>SERIES TRIP (2 TERM'S.)</b></p> <p>MAIN TERM'S. (SEE TABLE A)</p>	<p>LINE</p> <p>LOAD</p>	<p>LINE (NETZ)</p> <p>LOAD (LAST)</p>	A	O	<p>LINE</p> <p>LOAD</p>	<p>LINE (NETZ) (3)</p> <p>LOAD (LAST)</p>	B C	O
<p><b>SERIES TRIP W AUX SWITCH (5 TERM'S.)</b></p> <p>AUX. SWITCH TERM'S.</p>	<p>LINE</p> <p>LOAD</p> <p>C</p> <p>NO</p> <p>NC</p>	<p>LINE (NETZ)</p> <p>LOAD (LAST)</p> <p>C</p> <p>NO</p> <p>NC</p>	A	2 3 4	<p>LINE</p> <p>LOAD</p> <p>STD. AUX. SWITCH</p> <p>C</p> <p>NO</p> <p>NC</p> <p>ALARM SWITCH</p>	<p>LINE (NETZ) (3)</p> <p>LOAD (LAST)</p> <p>STD. AUX. SWITCH</p> <p>C</p> <p>NO</p> <p>NC</p> <p>ALARM SWITCH</p>	B C	2 3 4
<p><b>SHUNT TRIP (3 TERM'S.)</b></p>	<p>LINE</p> <p>LOAD</p> <p>SHUNT</p>	<p>LINE (NETZ) (3)</p> <p>LOAD (LAST)</p> <p>SHUNT (NEBENSCHLUSS)</p>	D E	0	<p>LINE</p> <p>LOAD</p> <p>VOLTAGE COIL</p>	<p>LINE (NETZ)</p> <p>LOAD (LAST)</p> <p>VOLTAGE COIL</p>	H	0
<p><b>RELAY TRIP (4 TERM'S.)</b></p>	<p>LINE</p> <p>LOAD RELAY</p> <p>RELAY</p>	<p>RELAY (RELAIS)</p> <p>LOAD (LAST)</p> <p>LINE (NETZ) (3)</p>	F G	0	<p>LINE</p> <p>LOAD</p> <p>VOLTAGE COIL</p>	<p>LINE (NETZ)</p> <p>LOAD (LAST)</p> <p>VOLTAGE COIL</p>	K	0

### NOTES

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance  $\pm 0.015$  [.38] unless otherwise specified.
- 3 Schematic shown represents current trip circuit.

## Circuit and Terminal Diagrams

HANDLE POSITION VS. AUX/ALARM SWITCH MODE				
STANDARD C/B			MID TRIP C/B	
CIRCUIT BREAKER MODE	HANDLE POSITION	AUX. SWITCH MODE	HANDLE POSITION	ALARM SWITCH MODE
OFF				
ON				
ELECTRICAL TRIP				

### AUXILIARY SWITCH TERMINAL DETAIL

### TERMINAL DIMENSIONAL DETAIL & RATING

**TAB (Q.C.)**

<= 30 AMP

**UPTURN LUG**

#8-32 <= 30 AMP  
#10-32 <= 30 AMP  
M5 <= 30 AMP

**BUS**

#8-32 <= 30 AMP  
#10-32 <= 50 AMP

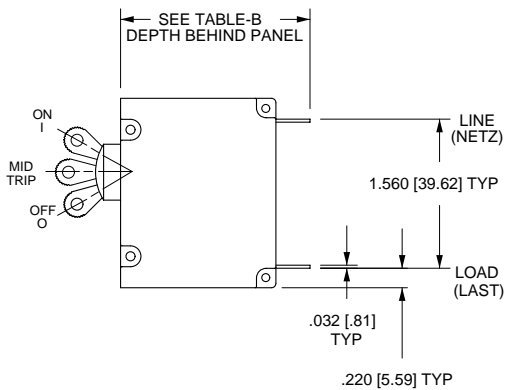


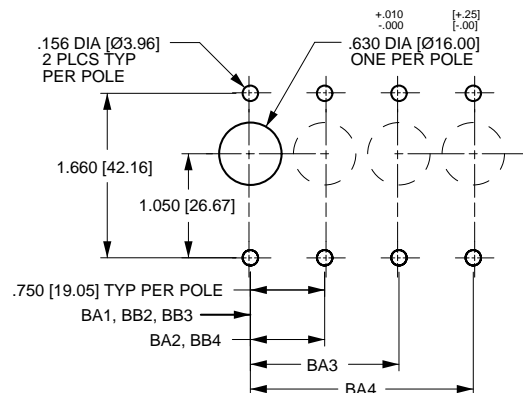
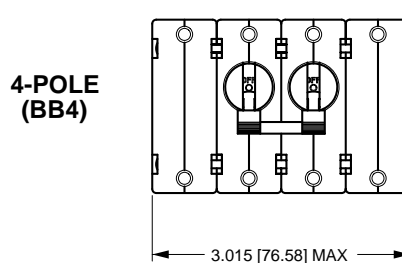
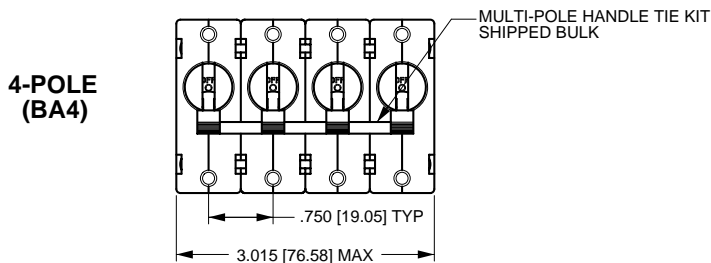
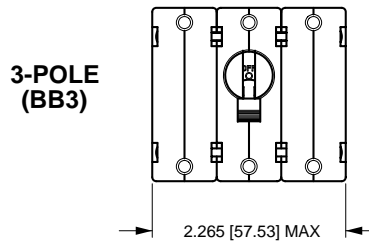
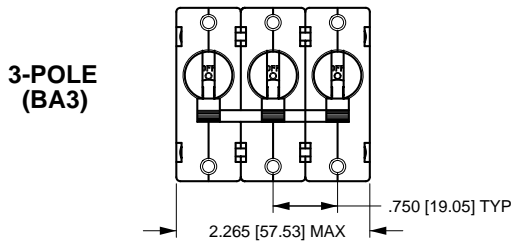
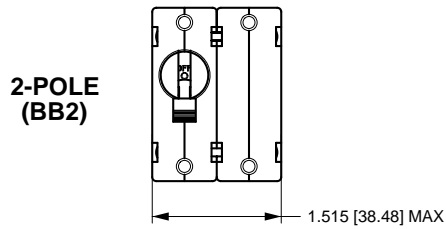
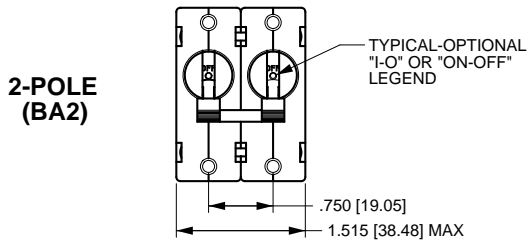
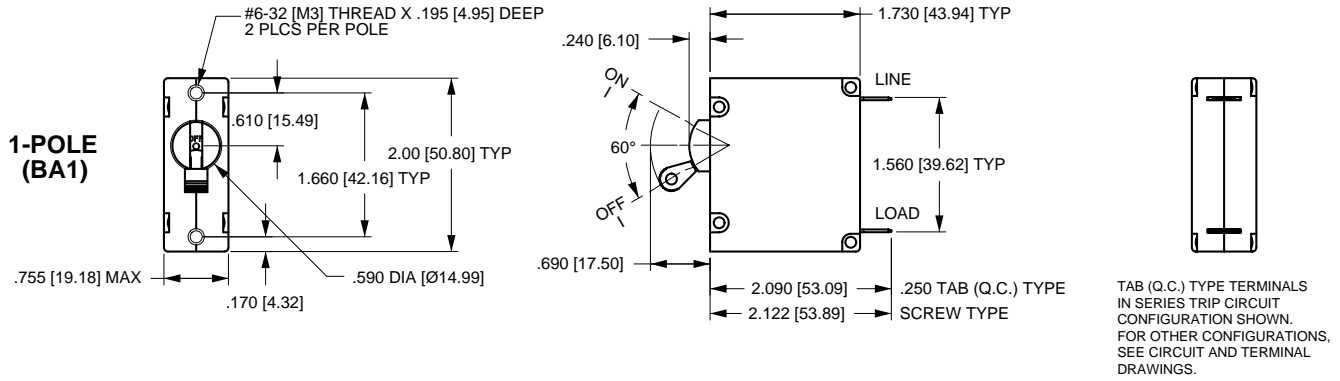
TABLE B		
TERMINAL DESCRIPTION		DEPTH BEHIND PANEL
MAIN	TAB (Q.C.)	2.090 [53.09]
	SCREW TYPE	2.122 [53.90]
SHUNT, RELAY & DUAL COIL	TAB (Q.C.)	2.612 [66.35]
	SCREW #8-32 W/UPTURNED LUGS	2.644 [67.16]
* AUX. SWITCH	TAB (Q.C.) .110 x .020	2.537 [64.44]
	SOLDER TYPE	2.348 [59.64]

\* AVAILABLE ON SERIES TRIP AND SWITCH ONLY CIRCUITS. WHEN CALLED FOR ON MULTI-POLE UNITS, ONLY ONE AUX. SWITCH IS NORMALLY SUPPLIED, AS SHOWN IN MULTI-POLE IDENTIFICATION SCHEME. SEE PAGE

### NOTES

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance ±.015 [.38] unless otherwise specified.

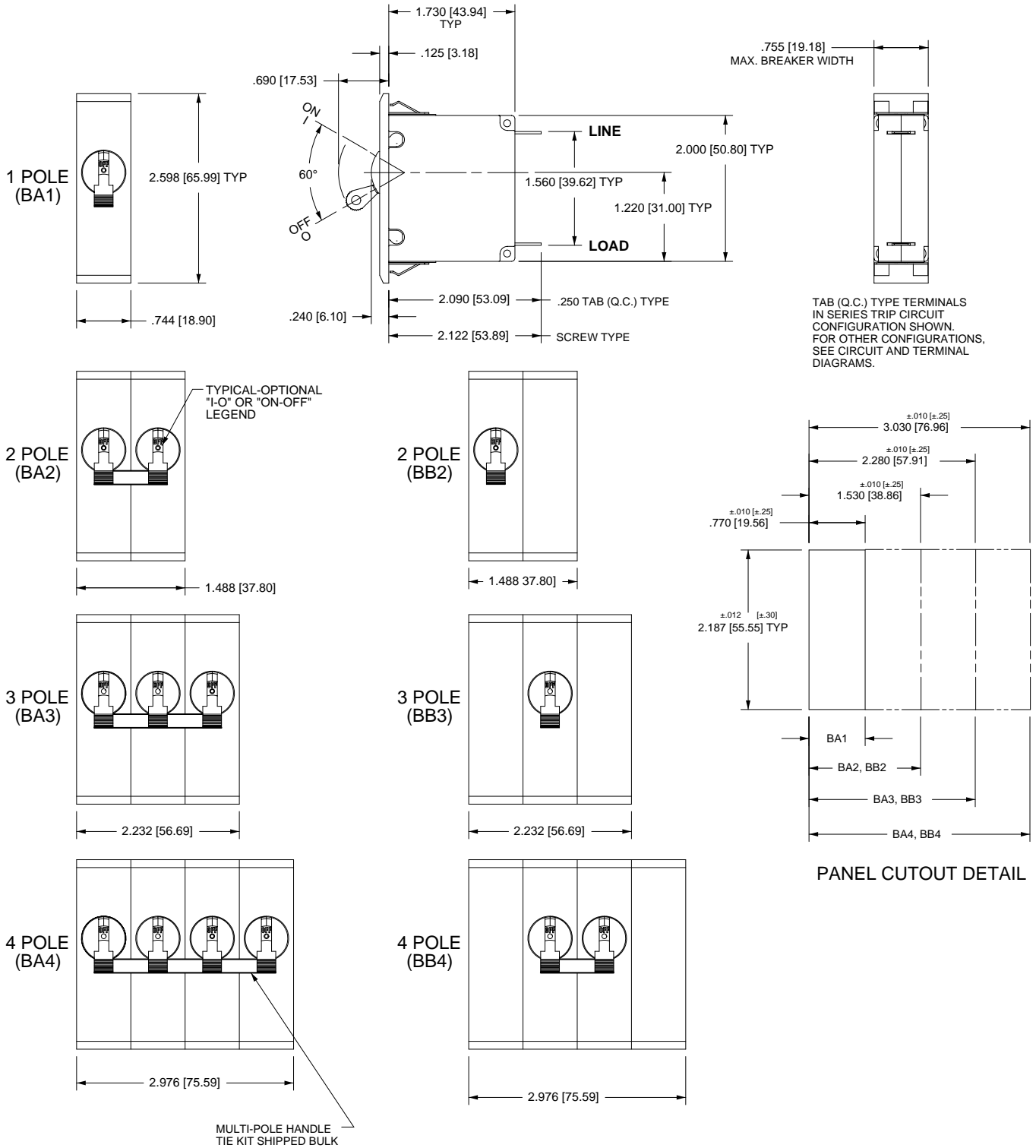
## Form and Fit Drawings



- NOTES
- All dimensions are in inches [millimeters].
  - Tolerance  $\pm .010$  [ $\pm .25$ ] unless otherwise specified.

**PANEL CUTOUT DETAIL**  
TOLERANCES  $\pm .005$  [ $\pm .12$ ]

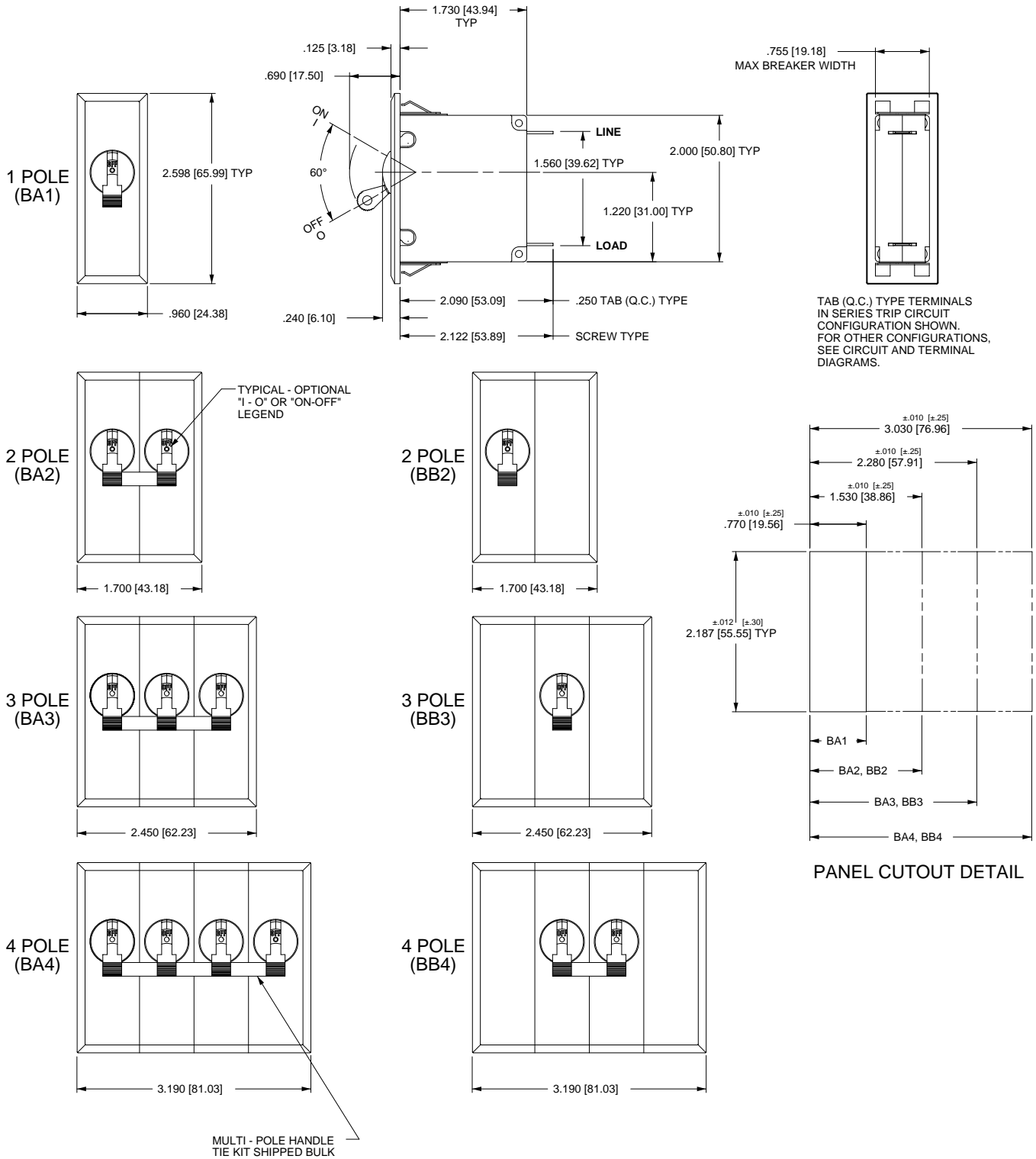
## Form and Fit Drawings - Front Panel Snap-in Mounting Style 5



**NOTES**

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance ±.010 [.25] unless otherwise specified.

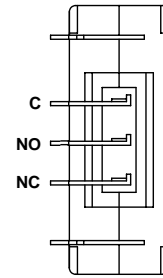
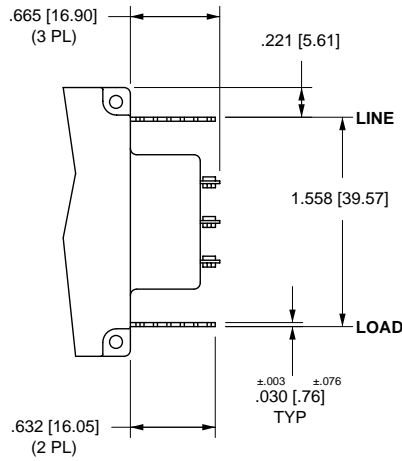
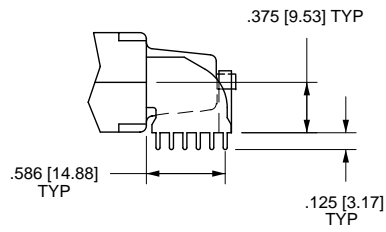
## Form and Fit Drawings - Front Panel Snap-in Mounting Style 7



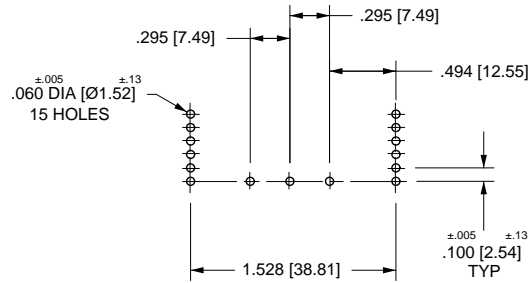
**NOTES**

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance ±.010 [.25] unless otherwise specified.

## PC Terminal Diagrams



### P.C. TERMINALS

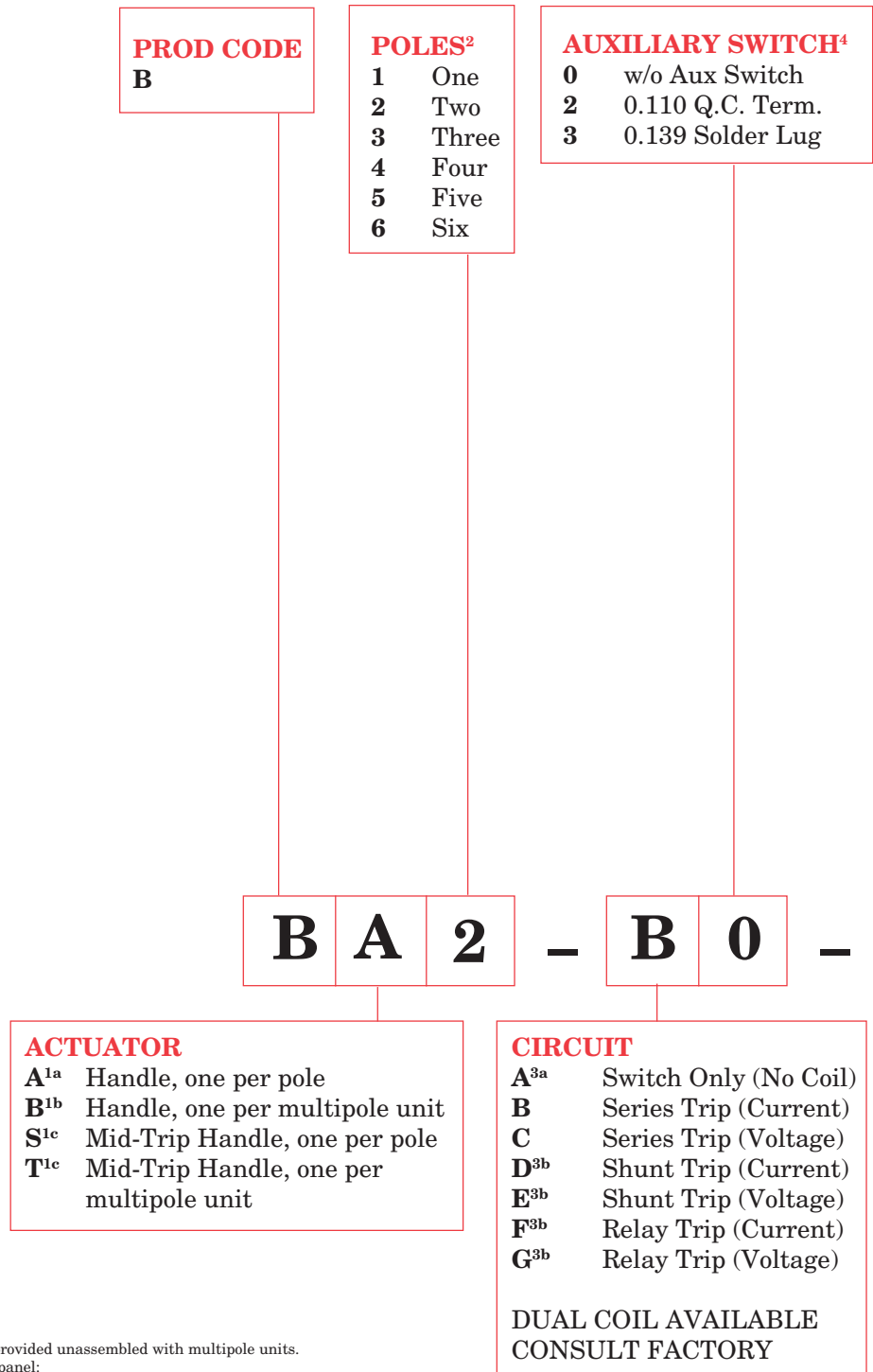


### P.C. FOOT PRINT


#### NOTES

- 1 All dimensions are in inches [millimeters].
- 2 Tolerance  $\pm.010 [0.25]$  unless otherwise specified.

## Ordering Scheme



### NOTES

- 1a. Actuator Option A: Handle tie pin, spacer(s) and retainers provided unassembled with multipole units.
- 1b. Actuator Option B: Handle location as viewed from front of panel:  
2 pole - left pole; 3 pole - center pole; 4 pole - two handles at center poles; 5 pole - three handles at center poles; 6 pole - four handles at center poles.
- 1c. Handle moves to mid-position only upon electrical trip of the circuit breaker. Actuator code S available with circuit codes B,C,D,E,F & G. When actuator code T is specified: Handle moves to mid-position and alarm switch activates only upon electrical trip of the circuit breaker, available with circuit codes B & C.
2. Standard multipole units have all poles identical except when specifying auxiliary switch - (see Note 4 and Fig. A) and/or mixed poles (consult factory).
- 3a. Switch Only available to 50 amps and six poles. For 30 amps and less, select Current Rating Code 630. For 31-50 amps, select Current Rating Code 650.
- 3b. Available with Terminal Codes 1 and 2 only. Current type limited to 30 amps maximum.
4. Auxiliary switch available on Series Trip and Switch Only circuits to 50 amps. On multipole units, only one auxiliary switch is normally supplied, mounted in extreme right pole per Figure A.
- 5a. Voltage coils not rated for continuous duty. Available only with Delay Codes 10 and 20 and Circuit Codes C, E & G..
- 5b. Available to 50 amp maximum and Circuit Codes B & D only.
6. For other voltage or current ratings consult factory.
7. Series Trip current ratings of 35, 40 and 50 amps limited to a maximum of two poles.
8. Screw terminals are recommended on current ratings greater than 20 amps. Ratings 35, 40 and 50 amps available with Terminal Code 5 only.
9. Standard actuator colors are black and white. DUAL = I - O /ON-OFF combination.
10. Terminal barriers available, consult factory.
11. Consult factory for VDE certified  constructions.

### COIL RATING<sup>6</sup>

#### CURRENT COIL

AMPERES

210	0.100
225	0.250
250	0.500
275	0.750
410	1.000
425	2.500
450	5.000
475	7.500
610	10.000
615	15.000
620	20.000
625	25.000
630	30.000
635 <sup>7</sup>	35.000
640 <sup>7</sup>	40.000
650 <sup>7</sup>	50.000

SELECT ONE

#### VOLTAGE COIL<sup>5a</sup>

	RATING	MIN. TRIP VOLTS
A06	6 DC	5 DC
A12	12 DC	10 DC
K20	120 AC	65 AC
L40	240 AC	130 AC

### ACTUATOR COLOR<sup>9</sup>

	COLOR	LEGEND
1	White	Dual (Black)
2	Black	Dual (White)
3	Red	Dual (White)
6	Yellow	Dual (Black)

### AGENCY APPROVAL

- A** W/O Approval
- B** UL Recognized
- C** UL Recognized  
CSA Certified
- D<sup>11</sup>** UL Recognized  
CSA & VDE Certified
- I<sup>11</sup>** UL Recognized Std 1077  
UL Recognized Std 1500  
(Ignition Protection)  
CSA Certified

**10**

-

**450**

-

**1**

**2**

**1**

-

**D**

### FREQUENCY AND DELAY

- 03** DC, 50/60Hz When Delay is not applicable, i.e. Switch Only circuit option.
- 10<sup>5a</sup>** DC Instantaneous
- 11** DC Ultra Short
- 12** DC Short
- 14** DC Medium
- 16** DC Long
- 20<sup>5a</sup>** 50/60Hz Instantaneous
- 21** 50/60Hz Ultra Short
- 22** 50/60Hz Short
- 24** 50/60Hz Medium
- 26** 50/60Hz Long
- 32** DC, 50/60Hz Short
- 34** DC, 50/60Hz Medium
- 36** DC, 50/60Hz Long
- 42<sup>5b</sup>** 50/60Hz Short (Hi-Inrush)
- 44<sup>5b</sup>** 50/60Hz Medium (Hi-Inrush)
- 46<sup>5b</sup>** 50/60Hz Long (Hi-Inrush)
- 52<sup>5b</sup>** DC Short (Hi-Inrush)
- 54<sup>5b</sup>** DC Medium (Hi-Inrush)
- 56<sup>5b</sup>** DC Long (Hi-Inrush)

### TERMINAL<sup>8</sup>

- 1** Push-On 0.250 Tab (Q.C.)
- 2** Screw 8-32 w/ Upturned Lugs
- 3** Screw 8-32 (Bus Type)
- 4** Screw 10-32 w/ Upturned Lugs
- 5** Screw 10-32 (Bus Type)

PRINTED CIRCUIT BOARD TERMINAL AVAILABLE; CONSULT FACTORY

### MOUNTING

- 1<sup>10</sup>** Threaded insert, 6-32 x 0.195 inches deep - 2/pole
- 2** Threaded insert, ISO M3 x 5mm deep - 2/pole
- 5<sup>10</sup>** Front Panel Snap-In, 0.75 inch wide Bezel/Pole
- 7<sup>10</sup>** Front Panel Snap-In, 0.96 inch wide Bezel on Single Pole units. .105 inch Bezel Overhang Per Side on Multi-Pole units.