

Series E5 Circuit Breaker

Auto, Manual & Modified Reset Circuit Breakers

Specifications

Single Pole Thermal Type Breakers

Applications: Typically used in Battery chargers, trucks, buses, RV's, trolling motors, etc.

Rating: 5-50A, 14VDC; 28VDC (Series E51, E53).

Interrupt Rating: Main Circuit Protection: 1.5kA @ 12VDC (Series E51&E53) ;

Branch Circuit Protection: 2.5kA @ 12VDC (Series E51 sealed & Series E53 plastic cover).

Operating Temperature Rating: -40°F (-40°C) to 185°F (85°C)

Storage Temperature Rating: -40°F (-40°C) to 260°F (125°C)

Materials: Black UL-Rated thermoplastic body (thermoset for Type II body & buttons). Cover is grey thermoplastic or steel-Type I gold, Type II silver.

Marking: Standard marking includes amp ratings and part numbers. Custom markings also available.

Termination: #10-32 thread and quick-connect options available.

Torque Rating: 24 in-lbs (2.7N·m) max.

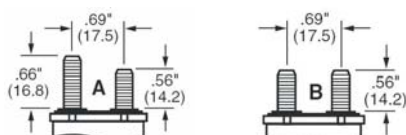
Mounting Torque Rating: Plastic cover -15 in-lbs (1.7N·m) . Metal cover -30 in-lbs (3.4N·m).

Ingress Protection Rating: IP66 On plastic cover version only (except for terminals).

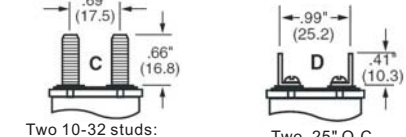
Compliances: SAE J553; SAE J1171 ((consult factory for Ignition Protection ratings).).

Dimensions -mm (Dims. shown are for reference only. Consult factory for latest prints)

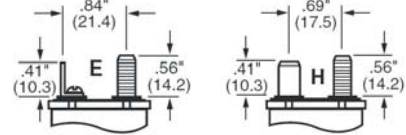
TERMINAL OPTIONS



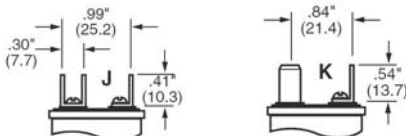
Two 10-32 studs: .66" (AUX); .56" (BAT)



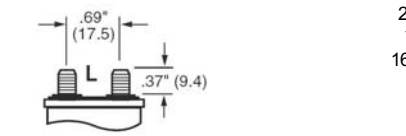
Two 10-32 studs: .66" (AUX&BAT)



One .25" Q.C. (AUX); One 10-32 stud (BAT)

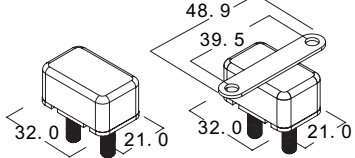


Double .25" Q.C. (AUX); Single .25" Q.C. (BAT)

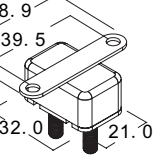


Two 10-32 studs: .37" (AUX&BAT)

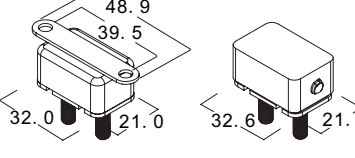
COVER&BRACKET OPTIONS



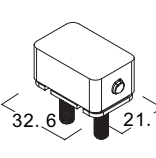
*Overall heights of Series E511& E521 Metal Cover



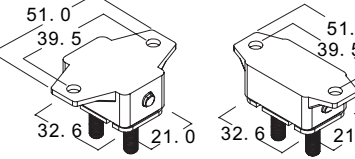
*Overall heights of Series E512& E522 Metal Cover



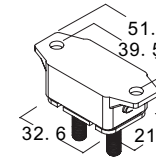
*Overall heights of Series E513& E523 Metal Cover



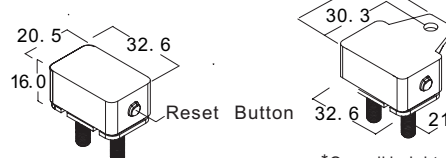
*Overall heights of Series E516& E536 Plastic Cover



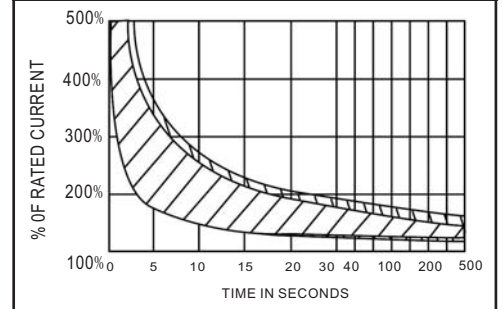
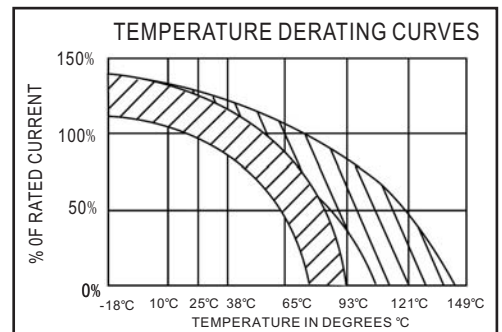
*Overall heights of Series E517& E537 Plastic Cover



*Overall heights of Series E518& E538 Plastic Cover



*Reset on BAT side (*Overall heights of All Series)



10 AMPS & BELOW TYPICAL CURVE

15 AMPS & ABOVE TYPICAL CURVE

HARDWARE

WA/WB

HA/HB

KA/KB



*Terminal D: 30A maximum; Terminal H: 40A maximum;

Part Numbering System

Series	Bracket	Terminal	Rating	Mtg. Holes	Hardware
E51 - Type I, 12V/28Vdc	1&6 - No bracket	A - Two 10-32 studs; .66 (Aux), .56 (Bat)	05 - 5 amps	0 - No bracket	WA - Whiz-lock nut assembled
E52 - Type II, 12V	2&7 - "+" glyph Bracket	B - Two 10-32 studs; .56 (Aux & Bat)	10 - 10 amps	1 - .140 dia.	WB - Whiz-lock nut bulk
E53 - Type III, 28V	3&8 - "-" glyph Bracket	C - Two 10-32 studs; .66 (Aux & Bat)	15 - 15 amps	2 - .196 dia.	HA - Nut & lock washer assembled
	9 - "T" glyph Bracket	**D - Two .250 QC; (Aux & Bat)	20 - 20 amps	3 - .237 dia. (metal only)	HB - Nut & lock washer bulk
		**H - One 10-32 stud .56 (Bat), Double .250 QC (Aux)	25 - 25 amps	4 - .265 dia. (plastic only)	KA - Keps lock nut assembled
		L - Two 10-32 studs; .37 (Aux & Bat)	30 - 30 amps	5 - .228 dia. (plastic only)	KB - Keps lock nut bulks
			35 - 35 amps	6 - .221 dia. (metal only)	
			40 - 40 amps		
			45 - 45 amps		
			50 - 50 amps		