

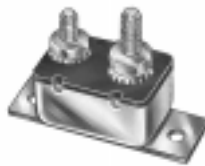


# Circuit Breakers

**Type I • Cycling**

**Type II • Non-Cycling**

**Type III • Manual Reset**



## Circuit Breakers • 12 VDC • 24 VDC

Cole Hersee circuit breakers and compatible mounting brackets are designed and engineered for responsive performance over a long product life.

Casings are manufactured from either high quality plated steel or durable plastic.

Mounting brackets are available in heavy gauge steel or lightweight, molded plastic.

### Circuit Breaker Classifications

**Type I**

Cycles or continuously re-sets until the overload is corrected.

**Type II**

Remains open as long as the overload exists. The unit resets when the situation is corrected. Power must be disconnected for the unit to reset.

**Type III**

Remains open until the unit is manually reset by pushing the button.

**Cole Hersee Type I, Type II and Type III circuit breakers conform to SAE J 553.**

## Type I — Cycling Circuit Breakers

### Plug-in Circuit Breakers

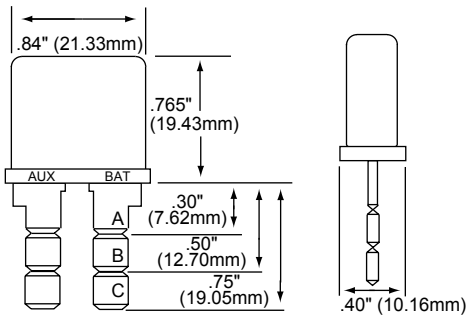
Heavy duty replacement for ATC & ATO blade fuses. Save time and cost for replacement of burnt-out fuses.

**Terminals:** grooved for easy size adjustment, snap off with pliers.

**Mounting:** universal plug-in mounted.



Rated at 12 VDC		
Amperes	Part No.	
10	30409-10	
15	30409-15	
20	30409-20	
25	30409-25	
30	30409-30	



#### Vehicle Replacement Guide

<b>Terminal Position A</b>	Ford Pickup Trucks
<b>Terminal Position B</b>	Dodge Trucks Ford Trucks (heavy) Navistar (IHC) Trucks
<b>Terminal Position C</b>	Kenworth Trucks

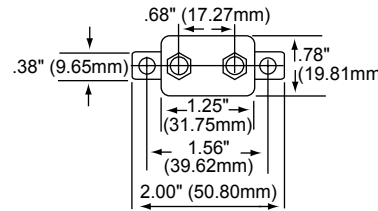
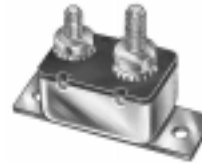
### Stud Terminals • Plated Steel Case Mounting Bracket

**Terminals:** two #10-32 stud.

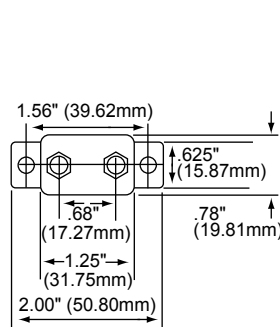
**Height:** 1.37" (34.97mm).

**Mounting:** two .22" (5.61mm) holes, 1.56" (39.62mm) on center.

Stud insulator sealed where noted.



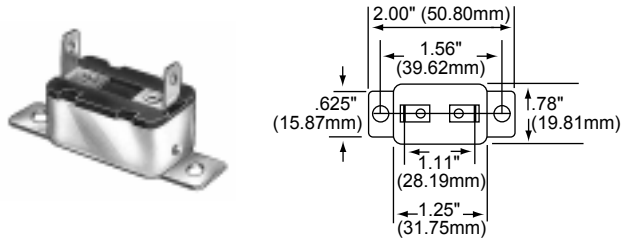
Rated at 24 VDC		
Amperes	Part No. Standard	Part No. Sealed
10	30172-10	30172-10
15	30172-15	30172-15
20	30172-20	30172-20
30	30172-30	30172-30



Rated at 12 VDC		
Amperes	Part No. Standard	Part No. Sealed
6	30055-6	30138-6
8	30055-8	30138-8
10	30055-10	30138-10
15	30055-15	30138-15
20	30055-20	30138-20
25	30055-25	30138-25
30	30055-30	30138-30
40	30055-40	30138-40
50	30055-50	-----

**Type I — Cycling Circuit Breakers**  
**Blade Terminals • Plated Steel Case • Mounting Bracket**

**Terminals:** two blade, 1.08" (26.70mm) on center.  
**Height:** 1.10" (27.94mm).  
**Mounting:** two .21" (5.56mm) holes, 1.56" (39.62mm) on center.

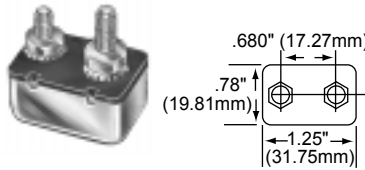


Rated at 12 VDC	
Amperes	Part No.
4	30402-4
6	30402-6
15	30402-15
20	30402-20

Please consult factory for other amperages.

**Stud Terminals • Plated Steel Case**

**Terminals:** two #10-32 stud.  
**Height:** 1.33" (33.78mm).  
**Mounting:** snap into bracket, indentations stamped in case to hold breaker securely. Stud insulator sealed where noted.



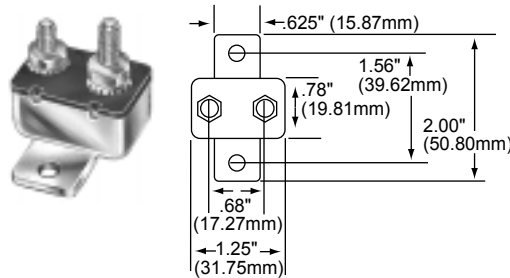
Rated at 24 VDC		Rated at 12 VDC	
Amperes	Part No. Standard	Amperes	Part No. Standard
10	30171-10	6	30056-6
15	30171-15	8	30056-8
20	30171-20	10	30056-10
30	30171-30	15	30056-15
		20	30056-20
		25	30056-25
		30	30056-30
		40	30056-40
		50	30056-50

See page 116 for mounting brackets.

Amperes	Part No. Standard	Part No. Sealed
6	30056-6	30137-6
8	30056-8	30137-8
10	30056-10	30137-10
15	30056-15	30137-15
20	30056-20	30137-20
25	30056-25	30137-25
30	30056-30	30137-30
40	30056-40	30137-40
50	30056-50	-----

**Stud Terminals • Plated Steel Case • Mounting Bracket**

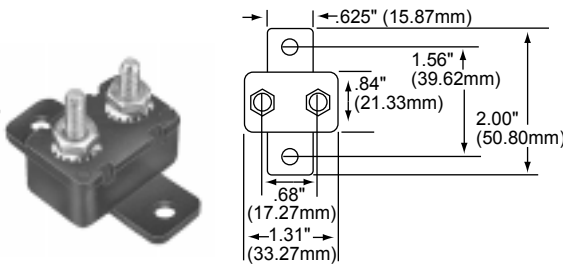
**Terminals:** two #10-32 stud.  
**Height:** 1.37" (34.97mm).  
**Mounting:** two .22" (5.61mm) holes, 1.56" (39.62mm) on center, bracket across case.



Rated at 12 VDC	
Amperes	Part No.
6	⊖ 30128-6
8	⊖ 30128-8
10	30128-10
15	30128-15
20	30128-20
25	30128-25
30	30128-30
40	30128-40

**Stud Terminals • Plastic Case • Mounting Bracket**

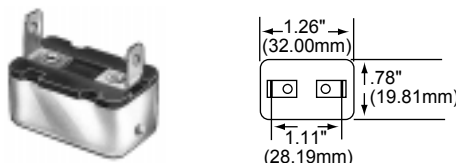
**Terminals:** two #10-32 stud.  
**Height:** 1.46" (37.07mm).  
**Mounting:** two .22" (5.61mm) holes, 1.56" (39.62mm) on center, bracket across case. Internally sealed.



Rated at 12 VDC	
Amperes	Part No.
30	30414-30
40	⊖ 30414-40
50	30414-50

**Blade Terminals • Plated Steel Case**

**Terminals:** two blade, 1.11" (28.19mm) on center.  
**Height:** 1.06" (26.92mm).  
**Mounting:** snap into bracket, indentations stamped in case to hold breaker securely.



See page 116 for mounting brackets.

Rated at 12 VDC	
Amperes	Part No.
4	⊖ 30401-4
6	30401-6
8	⊖ 30401-8
10	30401-10
15	30401-15
20	30401-20

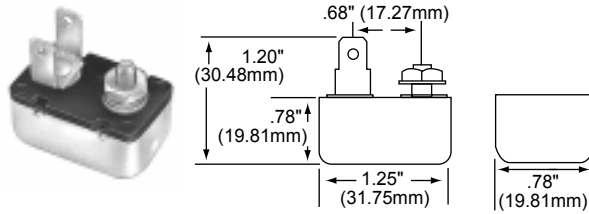
## Type I — Cycling Circuit Breakers

### Stud Terminal and Blade Terminals • Plated Steel Case

**Terminals:** double blade terminal and #10-32 stud terminal.

**Height:** 1.20" (30.48mm).

**Mounting:** snap into bracket, indentations stamped in case to hold breaker securely.



Rated at 12 VDC		
Amperes	Part No.	
10	⊖ 30404-10	
15	⊖ 30404-15	
20	30404-20	
30	30404-30	

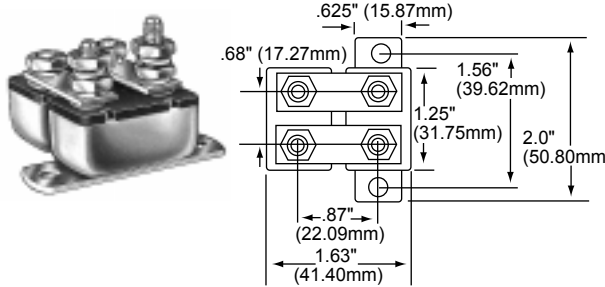
See page 116 for mounting brackets.

### Double Breaker Assemblies for Higher Amperage

**Terminals:** #10-32 stud.

**Height:** 1.39" (33.73mm).

**Mounting:** two .22" (5.88mm) holes, 1.56" (39.62mm) on centers.



Rated at 12 VDC		
Amperes	Part No.	Sealed
50	3088-50	No
50	⊖ 30507-50	Yes
60	3088-60	No
60	30507-60	Yes
80	3088-80	No
80	30507-80	Yes

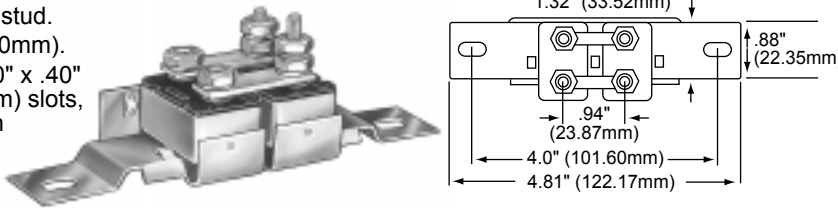
### Double Breaker Assemblies in Snap-in Bracket

Bracket holds breakers securely and permits easy removal • Includes bracket and breakers

**Terminals:** #10-32 stud.

**Height:** 1.50" (38.10mm).

**Mounting:** two .280" x .40" (7.11mm x 10.16mm) slots, 4.0" (101.60mm) on centers.



Rated at 12 VDC		
Amperes	Part No.	
50	⊖ 30510-50	
60	⊖ 30510-60	
80	30510-80	

### Sealed Circuit Breakers

#### Standard Sealed Circuit Breakers

**Terminations:** color coded wire leads, 10" (254.00mm) long.

**Height:** .93" (23.81mm).

Cut wire loop and splice into circuit to install.



Rated at 12 VDC			
Amperes	Part No.	Wire Gauge	Code
6	⊖ 30063-6	16	Blue
10	30063-10	16	Green
15	⊖ 30063-15	16	Yellow
20	30063-20	14	Black
25	⊖ 30063-25	14	White
30	30063-30	12	Red
40	⊖ 30063-40	12	Brown

#### Sealed Circuit Breakers with Mounting Bracket

**Terminations:** color coded wire leads, 10" (254.00mm) long.

**Height:** 1.0" (25.40mm).

Cut wire loop and splice into circuit to install.



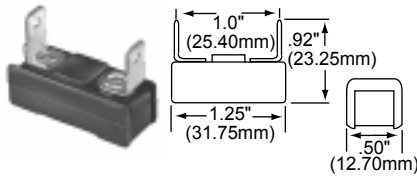
Rated at 12 VDC			
Amperes	Part No.	Wire Gauge	Code
10	⊖ 30062-10	16	Green
15	⊖ 30062-15	16	Yellow
20	30062-20	14	Black
25	⊖ 30062-25	14	White
30	30062-30	12	Red
40	⊖ 30062-40	12	Brown

**Type II — Non-Cycling Circuit Breakers**

**Plug-In Circuit Breakers**

Fit Mack Truck breaker blocks.

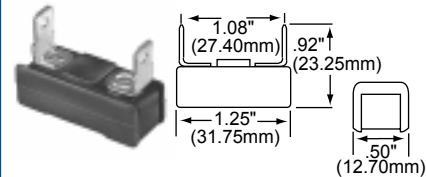
**Terminals:** two blade on 1.00" (25.40mm) centers.



Rated at 12 VDC Amperes	Part No.
15	30403-15
20	30403-20
25	30403-25
30	30403-30

Fit Navistar (IHC) breaker blocks.

**Terminals:** two blade on 1.08" (27.40mm) centers.



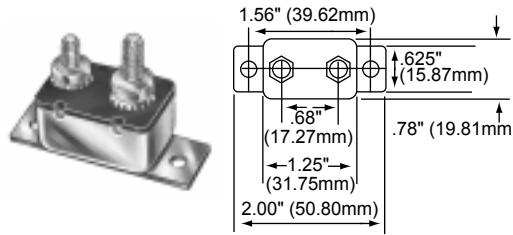
Rated at 12 VDC Amperes	Part No.
10	30408-10
15	30408-15
20	30408-20
25	30408-25
30	30408-30
35	30408-35

— Stud Terminals • Plated Steel Case • Mounting Bracket • For 12 VDC systems only —

**Terminals:** two #10-32 stud.

**Height:** 1.37" (34.97mm).

**Mounting:** two .22" (5.58mm) holes, 1.56" (39.62mm) on center.



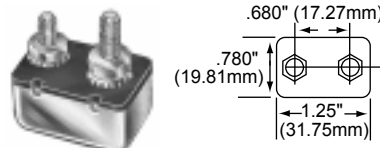
Amperes	Part No.	Amperes	Part No.
6	30145-6	20	30145-20
8	30145-8	25	30145-25
10	30145-10	30	30145-30
15	30145-15	40	30145-40

— Stud Terminals • Plated Steel Case • For 12 VDC systems only —

**Terminals:** two #10-32 stud.

**Height:** 1.33" (33.78mm).

**Mounting:** snap into bracket, indentations stamped in case to hold breaker securely.



Amperes	Part No.	Amperes	Part No.
8	⊖ 30144-8	25	⊖ 30144-25
10	⊖ 30144-10	30	30144-30
15	⊖ 30144-15	40	⊖ 30144-40
20	30144-20		

See page 116 for mounting brackets.

— Fuse Clip Mounting • For 12 VDC systems only —

Replace 3AG (AGC) and SFE glass fuses.

**Mounting:** snap into standard fuse clips.



Amperes	Part No.	Replaces Ford No.
10	30410-10	DOHB-14526-A
15	30410-15	DOVB-14526-A
20	30410-20	DOVB-14526-B
25	30410-25	DOHB-14526-B
30	30410-30	DOVB-14526-C
40	30410-40	-----

— Type III — Push Button Re-set Circuit Breakers • Manually Operated —

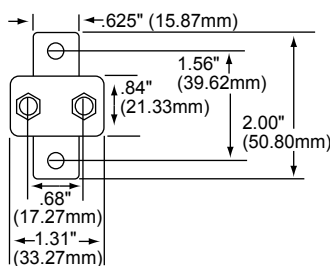
Remain open on overload until reset button is depressed.

**Stud Terminals • Plastic Case**

**Terminals:** two #10-32 stud.

**Height:** 1.46" (37.07mm).

**Mounting:** two .22" (5.61mm) holes, 1.56" (39.62mm) on center, bracket across case.



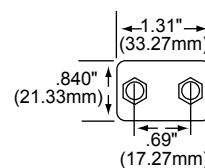
Rated at 12 VDC Amperes	Part No.
15	30407-15
20	30407-20
25	⊖ 30407-25
30	30407-30
40	30407-40
50	30407-50

**Stud Terminals • Plastic Case**

**Terminals:** two #10-32 stud.

**Height:** 1.37" (34.79mm).

**Mounting:** snap into bracket.



Rated at 12 VDC Amperes	Part No.
15	30406-15
20	30406-20
25	30406-25
30	30406-30
40	30406-40
50	30406-50

## Brass Bus Bars



Connect breakers to provide higher amperage ratings.

Gangs	Part No.
2	86099-2
2	⊖ 86046*
3	86099-3

Gangs	Part No.
4	86099-4
5	86099-5

\*Plated steel.

## Steel Mounting Brackets

For all SAE type breakers without bracket, including Cole Hersee series Nos. 30056, 30137, 30401, 30144, 30404.

Breakers snap in and hold securely.

Heavy gauge steel construction.



Gangs	Part No.	Dimensions (L x W)
2	30090-2	4.81" x 1.29" (122.17mm x 32.76mm)
3	30090-3	5.71" x 1.29" (145.03mm x 32.76mm)
4	30090-4	6.62" x 1.29" (160.14mm x 32.76mm)
6	30090-6	8.43" x 1.29" (214.12mm x 32.76mm)
7	⊖ 30090-7	9.34" x 1.29" (237.23mm x 32.76mm)
8	30090-8	10.25" x 1.29" (260.36mm x 32.76mm)

## Nylon Mounting Brackets



For use with No. 30056 and 30137 series breakers.

Durable, lightweight molded nylon construction.

Circuit breakers mount securely with hex nuts and lock washers (as in photo).

4 to 13 stations.

Individual circuit breakers may be changed or replaced without altering total assembly.

Mounting holes .280" (7.11mm) x .440" (11.17mm) long.

Gangs	Part No.	Length	Mounting Holes on Centers
4	87128-4	5.69" (114.52mm)	4.89" (124.20mm)
5	⊖ 87128-5	6.60" (167.64mm)	5.80" (147.32mm)
6	87128-6	7.51" (190.75mm)	6.71" (170.43mm)
7	⊖ 87128-7	8.42" (213.86mm)	7.62" (193.54mm)
8	87128-8	9.33" (236.98mm)	8.53" (216.66mm)
9	⊖ 87128-9	10.24" (260.09mm)	9.44" (239.77mm)
10	87128-10	11.15" (283.21mm)	10.35" (262.89mm)
11	⊖ 87128-11	12.06" (306.32mm)	11.26" (288.00mm)
12	⊖ 87128-12	12.97" (329.43mm)	12.17" (309.11mm)
13	87128-13	13.88" (352.55mm)	13.08" (332.23mm)

## Copper Bus Bars



Connect breakers in No. 87128 series mounting brackets.

Gangs	Part No.	Length	End Holes on Centers
2	86126-2	1.41" (35.81mm)	.910" (23.11mm)
3	⊖ 86126-3	2.32" (58.43mm)	1.82" (46.22mm)
4	86126-4	3.23" (82.04mm)	2.73" (69.34mm)
5	⊖ 86126-5	4.14" (105.15mm)	3.64" (92.45mm)
6	86126-6	5.05" (128.27mm)	4.55" (115.57mm)
7	⊖ 86126-7	5.96" (151.38mm)	5.46" (138.68mm)
8	86126-8	6.87" (174.49mm)	6.37" (161.79mm)
9	86126-9	7.78" (197.61mm)	7.28" (184.91mm)
10	⊖ 86126-10	8.69" (220.72mm)	8.19" (208.02mm)
11	⊖ 86126-11	9.60" (243.84mm)	9.10" (231.14mm)
12	86126-12	10.51" (266.95mm)	10.01" (254.25mm)