

circuit protection & wiring accessories



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circuit protection & wiring accessories

P1 CIRCUIT BREAKERS

Circuit breakers and fuses are a cost-effective solution to protecting wiring, equipment and subsystems. While fuses are a one-time, disposable solution, circuit breakers can be re-used after overload. Part number suffixes indicate the amperage. eg: 30409-15 is a 15 ampere Type I ATC/ATO breaker.

Plug-In Style, 12V

Mini Breakers

Conform to SAE J553

30418 Type I

Gray plastic housing with gold cover. Amperages 10, 15, 20, 25 available in bulk or box.

Order Nos. 30418-25 or 30418-25BP etc.



30419 Type II

Gray plastic housing with silver cover. Amperages 10, 15, 20, 25 available in bulk or box.

Order Nos. 30419-25 or 30419-25BP etc.



ATC/ATO Breakers

Conform to SAE J553. Replacement for ATC or ATO fuses. Color-coded housings with rating marked on the top: 10A red, 15A blue, 20A yellow, 25A silver, 30A green.

30409 Type I



Long terminals,
as supplied

One segment
snapped off

Two segments
snapped off

Terminals are grooved so that they can be easily snapped off with pliers to fit the electrical blocks of different vehicles. Amperages 10, 15, 20, 25, 30 available in bulk, box or **BP**.

Use as is (long terminals) for Kenworth trucks. Use with one segment snapped off each terminal for: Dodge trucks, Ford heavy trucks, Navistar trucks. Use with two segments snapped off (short terminals) for Ford pickup trucks.

★ Rapid ship item. **BP** Available in retail clamshell pack. ★ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

30411 Type II

Silver housing with rating marked on the top.
Amperages 10, 15, 20, 25, 30
available in bulk or box.

Order Nos. 30411-30 or
30411-30BP etc.

**30413 Type III**

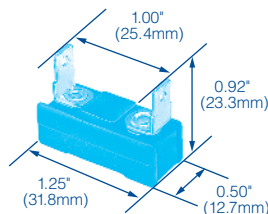
Gold housing with rating marked.
Amperages 10, 15, 20, 25, 30
available in bulk or box.

Order Nos. 30413-30 or
30413-30BP etc.

**Special Applications****30403 Mack Truck**

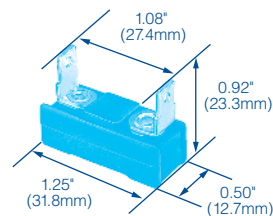
Type II fits Mack breaker blocks. Amperages 15, 20, 25, 30
available in bulk or box.

Order Nos. 30403-30 etc.

**30408 Navistar Truck**

Type II fits Navistar breaker blocks. Amperages 10, 15, 20, 25,
30, 35 available in bulk or box.

Order Nos. 30408-30 or 30408-30BP etc.

**SAEJ553 For Circuit Breakers**

Society of Automotive Engineers Standard J553 defines testing and performance requirements for three types of circuit breakers up to 50A for 6V, 12V, and 24V operation: Type I, Type II and Type III.

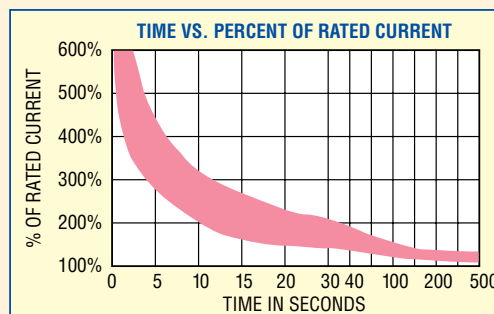
Conforming circuit breakers:

Must carry 100% of rated current continuously for a minimum of 1 hour.

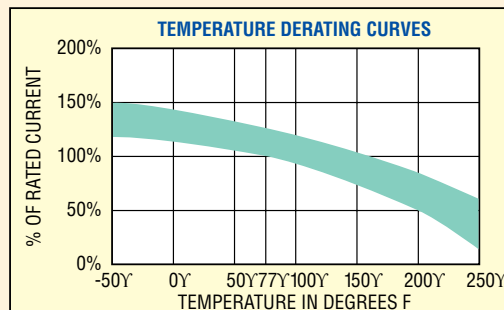
Must open at 135% of rated current within 30 minutes.

Must open at 200% of rated current within 1 minute.

The specific current capacity of the circuit breaker is a function of the particular electrical system being utilized. It is recommended that the actual performance be verified through testing experimentally in the proposed application. Several factors should be considered:

**Ambient temperature**

Circuit breakers are thermal devices. Changes in the ambient temperature will have an effect on the current carrying capacity and on the effective limitation of current during overload cycling.

**Wire and Terminations**

The connecting wires and their terminations will affect the heat dissipation characteristic of the breakers. Deviations from the breaker application specifications may affect the current carrying capacity or the effective limitation of current during overload cycling.

Voltage Rating

The rating marked on breakers is the maximum value recommended. Use at higher voltages may significantly shorten product life under load conditions, and possibly cause damage to your equipment.

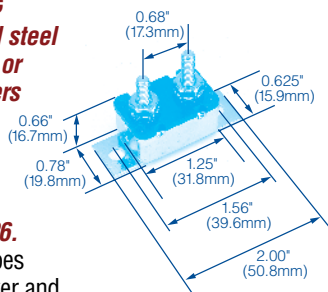
Circuit Protection components are thermal devices that create an open circuit under overcurrent conditions. They are deliberately designed as the sacrificial weakest link in a system, protecting components from costly damage. It is important to select a fuse or circuit breaker with a current rating equal to or lower than the lowest current rating of any part of the circuit.

P1 CIRCUIT BREAKERS

Stud or Blade Style

Conform to SAE J553. Plated steel or rugged plastic cases with or without bracket. Metal breakers without brackets snap securely into steel brackets (Series 30090) or attach with the stud to nylon brackets (Series 87128), see section P6.

Studs are 10-32, two blade types are .250" (6.4mm) wide. Breaker and bracket dimensions shown are similar on all breakers in this section.



24V With Studs, Steel Case

30171 Type I

Amperages 10, 15, 20, 30 available in bulk or box.

Order Nos. 30171-30 etc.



30172 Type I, With Bracket

Amperages 10*, 15, 20, 30 available in bulk or box.

Order Nos. 30172-30 etc.



12V With Studs, Steel Case

30055 Type I, With Bracket

Amperages 6, 8, 10, 15, 20, 25, 30, 40, 50 available in bulk or box. Amperages 15, 20, 25, 30, 40, 50 available in BP ★.

Order Nos. 30055-50 or 30055-50BP etc.



30056 Type I

Amperages 6, 8, 10, 15, 20, 25, 30, 40, 50 available in bulk or box. Amperages 20, 30 available in BP ★.

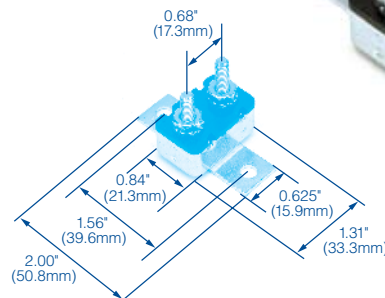
Order Nos. 30056-40 or 30056-40BP etc.



30128 Type I, With Cross-Bracket

Amperages 6*, 10, 15, 20, 25, 30, 40 available in bulk or box.

Order Nos. 30128-40 etc.



30137 Type I, Sealed Stud

Stud insulator is sealed.

Amperages 6, 10*, 15, 20, 25, 30, 40 available in bulk or box.

Order Nos. 30137-40 etc.



30138 Type I, With Bracket, Sealed

Stud insulator is sealed.

Amperages 6*, 10, 15, 20, 25*, 30, 40* available in bulk or box.

Order Nos. 30138-40 etc.



30144 Type II

Amperages 10*, 15*, 20, 30 available in bulk or box.

Order Nos. 30144-30 etc.



30145 Type II, With Bracket

Amperages 6, 10, 15, 20, 25, 30, 40 available in bulk or box.

Order Nos. 30145-15 etc.



12V With Studs, Plastic Case**30406 Type III**

Amperages 15, 20, 25, 30, 40, 50
available in bulk or box.

Order Nos. 30406-50 etc.

**30407 Type III, With Cross-Bracket**

Amperages 15, 20, 25*, 30, 40, 50
available in bulk or box.

Order Nos. 30407-50 etc.

**30414 Type I, With Cross-Bracket**

Internally sealed. Amperages
30 & 50 available in bulk or box.

Order Nos. 30414-50 etc.

**12V With Studs, Gray Plastic Case****30427 Type I**

Weather-resistant. Amperages
15 & 40 available in bulk or box.

Order Nos. 30427-40 etc.

**24V With Studs, Plastic Case****30423 Type III**

Amperages 10* & 15
available in bulk or box.

Order Nos. 30423-50 etc.

**12V With Blades**

Steel case

30401 Type I

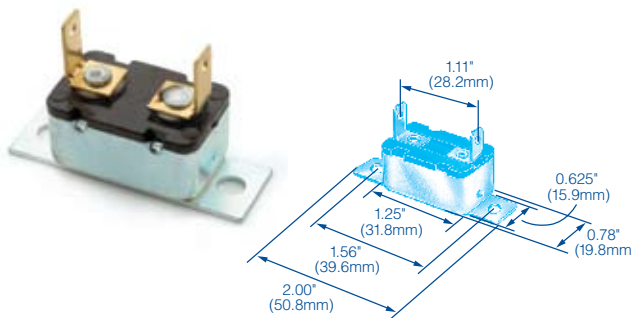
Amperages 10, 15, 20
available in bulk or box.

Order Nos. 30401-20 etc.

**30402 With Bracket**

Amperages 4 & 20 available in bulk or box.

Order Nos. 30402-20 etc.

**30404 Blade & Stud**

Amperages 20 & 30
available in bulk or box.

Order Nos. 30404-30 etc.

**Metal or Plastic?****Which body best suits your application?**

There's not a lot of difference between metal body and plastic body circuit breakers: both are about the same weight and structural integrity, but the plastic type is more resistant to denting and corrosion. One type of plastic-body breaker, the 30427 series (on this page), is also weather-resistant.

P1 CIRCUIT BREAKERS

PVC Coated, Type I

With PVC coated leads and body for added weather protection. Steel case. 10" (254.0mm) wire loop is readily cut to form two leads for splicing into the circuit. Wire is color-coded: 10A green 16AWG, 15A yellow 16AWG, 20A black 14AWG, 25A white 14AWG, 30A red 12AWG. 12V DC.

30063

Amperages 10, 20, 25*, 30 available in bulk or box.

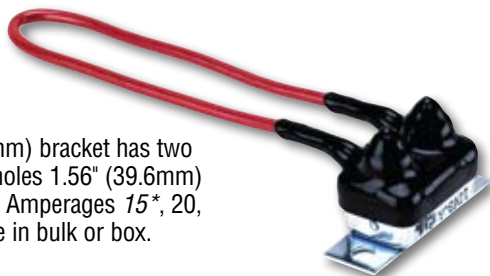
Order Nos. 30063-30 etc.



30062 With Bracket

2.0" (50.8mm) bracket has two mounting holes 1.56" (39.6mm) on centers. Amperages 15*, 20, 30 available in bulk or box.

Order Nos. 30062-30 etc.



Double Breaker Assemblies

12V, Type I. For high amp applications.

3088

2.0" (50.8mm) bracket has two mounting holes 1.56" (39.6mm) on centers. Amperages 50, 60, 80 available in bulk or box.

Order Nos. 3088-80 etc.



30507 Sealed

Same as 3088, but stud insulator is sealed. Amperages 60 and 80 available in bulk or box.

30510 With Snap-In Bracket

4.81" (122.2mm) bracket, has two mounting holes 4" (101.6mm) on centers.

80A available in bulk or box.



Glass Fuse Style, 12V DC

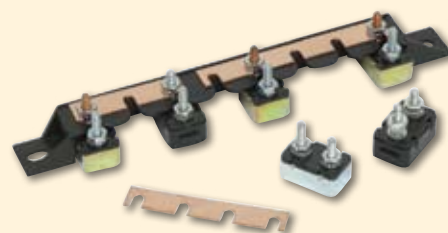
30410 Type II

Breaker replaces 3AG (AGC) and SFE glass fuses: snaps into standard clips on Cole Hersee fuse blocks. See section P2. Amperages in 10, 15, 20, 25, 30, 40A available in bulk or box.

10A replaces Ford DOHB-14526-A, 15A DOVB-14526-A, 20A DOVB-14526-B, 25A DOHB-14526-B, 30A DOVB-14526-C.



Brackets & Busbars



Nylon Brackets and Busbars

Brackets in a range from 4-gang to 13-gang conveniently house and organize the stud-type circuit breakers and can be used with slotted busbars from 2-gang to 12-gang to create a variety of circuitries. See page 135.

Breaker Types

SAE Type I

Automatic. Continuously resets until the overload is corrected.

SAE Type II

Remains open as long as the overload exists. Resets after the power is turned Off and the overload is corrected.

SAE Type III

Manual. Remains open until manually reset, using the button on the breaker.



SAE Type III

For Plug-In Breakers & Fuses

For ATC and ATO fuses and circuit breakers. Fuse/breaker contacts are recessed for safety. Recessed area in the center of the block accepts a label. Electrical ratings: 25A maximum per circuit at 12V to 24V DC. 150A maximum total for the block at 12V DC. For 24V DC applications use only ATC or ATO fuses.

Black thermoplastic block. Blade terminals are .25" wide (6.4mm). Stud terminal is 10-32 with hexnut, flat washer and lockwasher. Four .218" (5.5mm) diameter mounting holes take #10 screws. Size: 3.375" wide x .812" high (85.7 x 20.6mm). Mounting holes 1.06" (27.0mm) on centers, widthwise.

With Common Hot Feed Only

46377-6 6-Gang BP ★

Length: 2.47" (62.7mm). Mounting holes .625" (15.9mm) on centers.



46377-8 8-Gang ★

Length: 3.09" (78.5mm). Mounting holes 1.25" (31.8mm) on centers.

46377-10 10-Gang BP

Length: 3.72" (94.5mm). Mounting holes 1.875" (47.6mm) on centers.

46377-12 12-Gang

Length: 4.34" (110.0mm). Mounting holes 2.5" (63.5mm) on centers.

46377-14 14-Gang

Length: 4.97" (126.2mm). Mounting holes 3.125" (79.4mm) on centers.

46377-18 18-Gang

Length: 6.22" (158.0mm). Mounting holes 4.375" (111.1mm) on centers.

With Common Hot Feed & Common Ground

46379-6 6-Gang

Length 3.77" (95.8mm). Mounting holes .625" (15.9mm) on centers.

46379-8 8-Gang

Length 4.39" (111.5mm). Mounting holes 1.25" (31.8mm) on centers.



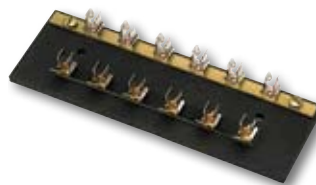
46379-10 10-Gang BP

Length 5.02" (127.5mm). Mounting holes 1.88" (47.6mm) on centers.

Other Blocks

4766 Common Hot Feed with Blade Terminals

6-gang. Blade terminals on one side of the fuse clip. 5 3/4"L x 1 7/8"W x 23/32"H (146.6 x 47.6 x 18.3mm). Brass terminal screws with lockwashers. Solid brass busbar. Two mounting holes 11/16" (4.3mm) diameter, 3.75" (95.3mm) on centers.



M-674 Combination Fuse Block & Terminal Block BP

For SFE 20A or 3AG (AGC) fuses. Common hot feed to four independently-fused circuits, and common ground strip for four circuits. Solid brass busbars, terminals and terminal screws. Nickel-plated phosphor-bronze fuse clips. Two eyelet holes for mounting with 3/16" (4.8mm) screws, 2.25" (57.2mm) on centers. 3 1/2"L x 2 3/4"W x 25/32"H (88.2 x 69.8 x 19.8mm).



For Glass Fuses and 30410 Breakers

For SFE 20A or 3AG (AGC) fuses, and 30410 circuit breakers.

Individual Hot Feed

Fiber base. Nickel-plated phosphor-bronze plated fuse clips. Hard fiber insulator base with 11/64" (4.4mm) diameter mounting holes. Width: 2 1/4" (57.2mm), height 5/8" (15.9mm). Plated steel terminals and screws or (with M- prefix numbers) with brass terminals and screws. Mounting holes .75" (19.0mm) on centers.



4622* Steel 2-Gang

Length: 1 1/4" (31.8mm).

4623* Steel 3-Gang

Length: 2" (50.8mm).

4624 Steel 4-Gang

Length: 2 3/4" (69.9mm).

4625 Steel 5-Gang

Length: 3 1/2" (88.9mm).

4626 Steel 6-Gang

Length: 4 1/4" (108.0mm).

M-412 Brass 2-Gang

Length: 1 1/4" (31.8mm).

M-413* Brass 3-Gang

Length: 2" (50.8mm).

M-414 Brass 4-Gang BP

Length: 2 3/4" (69.9mm).

M-415 Brass 5-Gang

Length: 3 1/2" (88.9mm).

Common Hot Feed

Fiber base, 2.24" (56.9mm) wide, with 11/64" (4.4mm) diameter mounting holes. Solid brass busbar, phosphor-bronze fuse clips. Height: 5/8" (15.9mm). Brass terminals and screws.



M-414-01 Brass 4-Gang BP

Length: 2 3/4" (98.5mm).

M-415-01 Brass 5-Gang

Length: 3 1/2" (88.9mm).

Also available with steel terminals and screws: 4625-01.

M-641-01 Brass 6-Gang BP ★

Length: 4 1/4" (108.0mm).

Also available with steel terminals and screws: 4626-01.

M-643-01 Brass 8-Gang BP

Length: 5 3/4" (146.1mm).

M-645-01 Brass 10-Gang

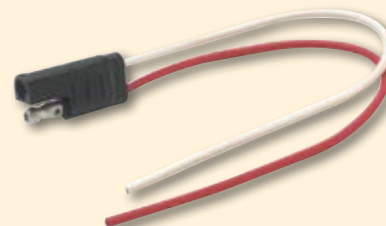
Length: 7 1/4" (184.2mm).

M-647-01 Brass 12-Gang

Length: 8 3/4" (222.3mm).

Connectors

See page 144.



Terminal Blocks, Individual Feed

Moisture-repellent molded Bakelite insulator base with barrier strips. Nickel-plated brass terminal links and 8-32 binding head screws. Width: 1.31" (33.3mm), height: .67" (17.0mm).

M-426 4-Gang BP ★

Length: 3.22" (81.8mm). Paired mounting holes 2.81" (71.4mm) on centers.

**M-427 6-Gang** BP ★

Length: 4.33" (110.1mm). Paired mounting holes 3.93" (99.9mm) on centers.

M-428 8-Gang BP ★

Length: 5.46" (138.7mm). Paired mounting holes 5.06" (128.5mm) on centers.

**M-429 10-Gang** BP ★

Length: 6.59" (167.4mm). Paired mounting holes 6.19" (157.2mm) on centers.

M-456 14-Gang

Length: 8.84" (224.5mm). Paired mounting holes 8.44" (214.4mm) on centers.

With Stud Terminals**Square End Pattern**

10-32 thread stud terminals with hexnuts, flat washers and lockwashers. Two eyelet mounting holes for 3/16" (4.8mm) screws (screws not included). Moisture-repellent phenolic insulator base. 5/8" (15.9mm) wide x 27/32" (21.4mm) high.

4721-P2 2-Gang

Length: 2.62" (66.5mm). Eyelets are 1.87" (47.5mm) on centers.

**4721-P3 3-Gang**

Length: 3.25" (82.6mm). Eyelets are 2.50" (63.5mm) on centers.

4721-P4 4-Gang

Length: 3.87" (98.3mm). Eyelets are 3.12" (79.2mm) on centers.

4721-P5 5-Gang

Length: 4.5" (114.3mm). Eyelets are 3.75" (95.3mm) on centers.

4721-P6 6-Gang ★

Length: 5.12" (130.0mm). Eyelets are 4.38" (111.3mm) on centers.

4721-P8 8-Gang ★

Length: 6.37" (161.8mm). Eyelets are 5.62" (142.7mm) on centers.

**4721-P10 10-Gang**

Length: 7.62" (193.5mm). Eyelets are 6.87" (174.5mm) on centers.

4721-P12 12-Gang

Length: 8.87" (225.3mm). Eyelets are 8.12" (206.2mm) on centers.

4721-P14 14-Gang

Length: 10.12" (257.0mm). Eyelets are 9.37" (238.0mm) on centers.

Round End Pattern

10-24 thread stud terminals, hardware not included. Two mounting holes for 1/4" (6.3mm) screws (screws not included). Moisture-repellent molded insulator base with barrier strips. 5/8" (15.9mm) wide x 27/32" (21.4mm) high.

4758 4-Gang

Length: 4.5" (114.4mm). Two mounting holes 3.75" (95.3mm) on centers.

**4755 5-Gang**

Length: 5.25" (133.3mm). Two mounting holes 4.50" (114.3mm) on centers.

P3 TERMINAL BLOCKS

Truck-Trailer Lighting Pattern with Stud Identification

4744

Six-gang, with circuit identification printed in white lettering. Two mounting holes 5.25" (133.4mm) on centers. 10-24 thread stud terminals, with hexnuts. 4 7/8"L x 1 3/16"W x 3/4"H (149.2 x 38.1 x 19.1mm).



Terminal Blocks, Common Busbar

With One Busbar

Available in solid brass or tin-plated solid brass.

M-449 10-Gang BP ★

Solid brass busbar safely carries up to 150A. Two 1/4-20 brass studs with hexnuts. 8-32 round head screws for attachment of wires. Two mounting holes accept No.10 countersink flathead screws. Moisture-resistant molded thermoplastic insulator base. 5 3/4"L x 1 1/4"W x 1 1/32"H (146.0 x 31.7 x 26.1mm). Two mounting holes 5.19" (131.8mm) on centers.



M-448 20-Gang

Same as M-449, but with 20 outlets. Length: 8 7/8" (225.4mm). Two mounting holes 8.31" (211.1mm) on centers.

M-449-04 10-Gang, Tin-Plated Brass BP

Same as M-449, but all brass is tinned for corrosion-resistance.

M-448-02 20-Gang, Tin-Plated Brass

Same as M-448, but all brass is tinned for corrosion-resistance.



46206-04 BP ★

4-gang, with solid brass busbar. 10-32 stud terminals with hexnuts and lockwashers. Two eyelets for mounting with 3/16" (4.76mm) screws (not included). Eyelets are 3.125" (79.4mm) on centers. Moisture-repellent thermoset plastic insulator base. 3 7/8"L x 5/8"W x 27/32"H (44.4 x 15.9 x 21.4mm).

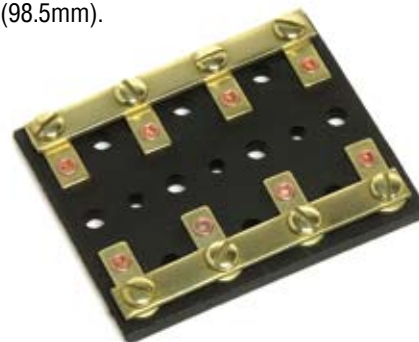


With Two Busbars

Two solid brass busbars, hard fiber insulator base, 8-32 screws. Width: 2.25" (57.2mm), height: 3/8" (9.5mm). Mounting holes .75" (19.1mm) on centers.

M-649-04 4-Gang

2.75" long (98.5mm).



M-649-06 6-Gang BP

4.25" long (108.0mm).

M-649-08 8-Gang

5.75" long (146mm).

New Master Disconnect

75920 Sealed Master Disconnect - See page 87.



★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

Quick-Connect Taps

Female molded plastic tap connector provides a fully insulated connection. Tap leg (see below) is disconnectable for added flexibility.

30244* For 12AWG Wire

Coded yellow. 25 per pack.

30243* For 18-14AWG Wires

Coded blue. 25 per pack.



30242* For 22-18AWG Wires

Coded red. 25 per pack.

31729 Tap Leg For 16-14AWG

Male blade tap leg. Use with 30243 tap. Coded blue. 50 per pack.



31728 Tap Leg For 22-18AWG

Male blade tap leg. Use with 30242 tap. Coded red. 50 per pack.

30223 Quick-Tap Splicer and Tap BP

Use Quick-Tap to connect two wires or create a tap without stripping the wires. Two wires can be connected in-line or as a pigtail. Consists of a small molded plastic hinge unit. Insert the wires, close and snap shut with pliers. Fully insulated to prevent short circuits. Splicing instructions are included. 10 per pack.



30245 Quick-Connect Bullet Socket

Mates with bullet terminals (31731 and 31739). Self-stripping connector provides fast and easy connect and disconnect for many vehicle applications, including vehicle to trailer connections. For 18AWG to 14AWG wires. 20 per pack.



Fuses

MAX98111 Maxi Blade Fuse

Amperages 30 & 40 available in bulk or box.

Order Nos. MAX98111-20 or MAX981011-20BP etc.



Inline Fuse/Breaker Holders

Protect circuits and equipment from damaging overloads.

30183 Mini Fuse Holder BP

Accepts Mini Fuses, or breakers 2-30A. Body material withstands high temperatures. Up to 32V at 30A.



30186 Maxi Fuse Holder

Accepts Maxi Fuses or breakers 20-60A. Up to 32V at 30A.



30147 For ATC/ATO Type BP

Accepts ATO and ATC fuses and circuit breakers from 3A to 20A. Easy to install and easy to change the fuse. 16AWG insulated copper wire leads, 4" (101.6mm) long. Brass contacts. Supplied without a fuse.



3031 For Glass Fuses

Accepts SFE fuses through 20A and 3AG (AGC) fuses through 30A. Positive twist-lock seal will not open accidentally; large brass contacts maintain solid contact with the fuse for maximum efficiency. 14AWG wire leads, 8" (203.2mm) long. Brass contacts. To install, cut wire loop.



3031-0 Without Fuse BP ★

3031-4* With 4A Fuse

3031-14 With 14A Fuse

3031-20 With 20A Fuse BP ★

3031-30 With 30A Fuse

Integral Lockout

75920 Master Battery Disconnect Switch has a built-in lockout that satisfies OSHA regulations. See page 87.



Quick-Connect Terminals

For fast wiring installation on vehicles and equipment. Molded insulators are made of durable, flexible polypropylene, which provides excellent resistance to moisture, chemicals and abrasion. Brass quick-connect terminals. Packaged 100 pieces per box.

31100 Female Terminal For 14-16AWG Wire



31595-A Male Terminal For 14-16AWG Wire



30200* One-Pole Insulator



30201* One-Pole Two Piece Male Insulator

Receives one female terminal.



30202* One-Pole Two Piece Female Insulator



30204 Female Insulator

Receives two male terminals 31595-A.



30205* Three-Pole Two Piece Male Insulator

Receives three female terminals 31100.



Bullet Terminals

Brass. Terminals are packed 100 per box.

3050 Male, For 14-16AWG Wire



3055 Male, For 14-15AWG Wire



3125* Female, For 14-16AWG Wire



3056* Male, For 12AWG Wire



3013 Dual Female Bullet Connector

For bullet terminals. Packed 25 per box. Bakelite. Mates with 3055 and 3056 bullet terminals. Connects three wires, one wire common to two leads.



Insulated Terminals and Connectors

For use with crimping tool. Tin-plated copper for resistance to corrosion and maximum conductivity. Vinyl insulator has ridge for positioning of crimping tool, and is flared for easy insertion of wire. Color-coded by wire size: 22-18AWG wire: red, 16-14AWG wire: blue, 12-10AWG wire: yellow

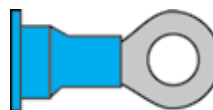
Ring Terminals

Terminals are packed 100 per box.

31302* For 22-18AWG Wire, Stud size 8. Red

31304* For 22-18AWG Wire, Stud size 10. Red

31301* For 16-14AWG Wire, Stud size 6. Blue



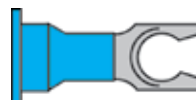
31305* for 16-14AWG wire, stud size 10. Blue

31734* for 12-10AWG wire, stud size 10. Yellow

Snap-On Spade Terminals

Terminals are packed 100 per box.

31323* For 16-14AWG Wire, Stud Size 8. Blue



Female Blade Terminals

Terminals are packed 100 per box.

Blade width .250" (6.4mm).

31341* For 22-18AWG Wire. Red



Butt Connectors

For efficient two-wire connections.

Blade width: 1.00" (25.4mm). Packed 50 per box.

30238 For 12-10AWG Wire. Yellow



30220* For 16-14AWG Wire. Blue

30240 For 16-14 AWG Wire. Blue

Moisture-resistant.

Special Purpose Connectors

3032 Flasher Connector

Accepts standard 3-prong flasher units (not included). Molded plastic connector has 14AWG wire leads, with phosphor-bronze contacts. Comes with plated steel bracket that has two .203" (5.2mm) diameter mounting holes.



4028* Headlight Harness

For Chevrolet and GMC RVs. Accepts one 3-prong headlamp and one 2-prong headlamp. This harness attaches to a 3-pole Packard connector that is supplied with the vehicle chassis. Leads are 16AWG wire that connects into silvered bronze contacts in molded plastic connectors.



Sealed Beam Connectors & Parts

*Accepts sealed-beam headlamp terminals. 8" (203.0mm)
14AWG thermoplastic wire leads with plated bronze contacts.*

3029 Connector With 3 Leads **BP**



3051 Connector With 2 Leads

3028-1 Receptacle

Molded plastic connector/insulator accepts 3028-2 contacts.



3028-02 Receptacle With Contacts

Molded plastic connector/insulator with 3028-2 contacts. Without wire leads, supplied unassembled.

3028-2 Contacts

Plated bronze contacts which fit 3028-1, 3028-02, 3029, 3051.

Dimmer Switch Connectors

30155

Fits Cole Hersee foot switch 7762
Ford trucks 60-87, Dodge trucks 59-86.



30156

Fits Cole Hersee switches 7702 and 7776 *Trucks: Autocar 68-80, Chevrolet 61-86, GMC 69-86, International 61-80, Freightliner 63-67, 72-80, Kenworth 65-67, 72-74, 77-80.*



New Master Disconnect

75920 Sealed Master Disconnect - See page 87.



Spring Clip**3118** BP

Teeth hold the clip in place after it is snapped over material up to 3/16" thick (4.8mm). Plated for corrosion resistance. 1/2" wide, 1 1/2" long (12.7 x 38.1mm).

**Nylon Cable Ties**

31118 5 1/2" Length (139.7mm)

31119 7 1/2" Length (190.5mm)

Steel Clamps**Plastic-Coated Clamps**

Plastic-coated for corrosion protection. Mounting hole diameter .281" (7.13mm) unless noted.

31230 .187" ID, .281" Hole
.187" inside diameter (4.74mm).



31231 .281" ID, .281" Hole
.281" inside diameter (7.13mm).

31232 .312" ID, .281" Hole
.312" inside diameter (7.92mm).

31233 .437" ID, .281" Hole
.437" inside diameter (11.09mm).

31234 .562" ID, .281" Hole
.562" inside diameter (14.27mm).

31235 .750" ID, .250" Hole
.750" inside diameter (19.05mm),
mounting hole diameter .250" (6.35mm).

31236 .875" ID, .281" Hole
.875" inside diameter (22.22mm).

31237 1.187" ID, .343" Hole
1.187" inside diameter (30.14mm),
mounting hole diameter .343" (8.71mm).

Steel Clamps

Plated for corrosion resistance.

31017* 7/16" ID
7/16" inside diameter (11.1mm),
mounting hole diameter
13/32" (10.2mm).

**Nylon Clamps**

Inside edges are beveled to protect harnesses from chafing. Mounting hole diameter .167" (4.3mm) unless stated.

31240 3/16" ID BP
3/16" inside diameter (4.8mm).



31241 1/4" ID BP
1/4" inside diameter (6.4mm).

31242 5/16" ID
5/16" inside diameter (8.0mm).

31243 3/8" ID
3/8" inside diameter (9.52mm).

31244 1/2" ID
1/2" inside diameter (12.7mm).

31245 5/8" ID
5/8" inside diameter (15.9mm).
Mounting hole diameter .203" (5.2mm).

P5 CLAMPS, CLEATS, CLIPS & TIES

31246 3/4" ID

3/4" inside diameter (19.1mm).
Mounting hole diameter .203" (5.2mm).

Steel Cleats

PVC Coated

Plastic coated for corrosion resistance.

31200* 1/4" ID

1/4" inside diameter
(6.4mm), mounting
hole diameter 13/64" (5.2mm).



31201* 3/8" ID

3/8" inside diameter (9.5mm),
mounting hole diameter 13/64" (5.2mm).

31202* 1/2" ID

1/2" inside diameter (12.7mm),
mounting hole diameter 13/64" (5.2mm).

31203* 5/8" ID

5/8" inside diameter (15.9mm),
mounting hole diameter 17/64" (6.7mm).

31204* 3/4" ID

3/4" inside diameter (19.1mm),
mounting hole diameter 17/64" (6.7mm).

31205 1" ID

1" inside diameter (25.40mm),
mounting hole diameter 17/64" (6.7mm).

Plated Steel

3161 3/8" ID

3/8" inside diameter (9.5mm),
mounting hole diameter 13/64" (5.2mm).



3164* 3/4" ID

3/4" inside diameter (19.1mm),
mounting hole diameter 17/64" (6.7mm).

circuit protection & wiring

P6 ACCESSORIES

Busbars

For connecting circuit breakers to provide higher amperage ratings. Holes/slots are .910" (23.1mm) on centers. Hole size: .210" (5.3mm).

86046*, 2-gang, plated steel

Same style as brass busbars 86099.

Brass Busbars

86099-2, 2-Gang

86099-3, 3-Gang

86099-4, 4-Gang

86099-5, 5-Gang



Copper Busbars

Slotted. Recommended for use with nylon mounting brackets 87128. Slots are .910" on centers. Slot width: .210" (5.3mm). Width of bar: .560" (14.2mm).

86126-2, 2-Gang

1.41" L (35.81mm).

86126-3*, 3-Gang

2.32" L (58.4mm).

86126-4, 4-Gang

3.23" L (82.1mm).



86126-5*, 5-Gang

4.14" L (105.2mm).

86126-6, 6-Gang

5.05" L (128.3mm).

★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply. Part numbers needed in BOX require a -BX suffix on the purchase order.

86126-8, 8-Gang

6.87" L (174.5mm).

86126-9, 9-Gang

7.78" L (197.6mm).

86126-10*, 10-Gang

8.69" L (220.7mm).

86126-12, 12-Gang

10.51" L (267.0mm).

Breaker Mounting Brackets – Steel

For all steel case breakers without a bracket. Breakers snap into position, engaging with dimples in the case of the breaker. Heavy gauge steel. Brackets up to 12-gang are available. Contact Cole Hersee.

30090-2, 2-Gang

4.81" x 1.29" (122.2 x 32.8mm). Mounting hole 4.00" (101.6mm) on centers.

30090-3, 3-Gang

5.71" x 1.29" (145.0 x 32.8mm). Mounting hole 4.90" (124.5mm) on centers.

30090-4, 4-Gang

6.62" x 1.29" (160.1 x 32.8mm). Mounting hole 5.81" (147.6mm) on centers.

**30090-6, 6-Gang**

8.43" x 1.29" (214.1 x 32.8mm). Mounting hole 7.62" (193.5mm) on centers.

30090-8, 8-Gang

10.25" x 1.29" (260.4 x 32.8mm). Mounting hole 9.43" (239.5mm) on centers.

Breaker Mounting Brackets – Nylon

For use with Cole Hersee 30056 series and 30137 series breakers. Durable, lightweight molded nylon. Breakers mount securely using stud and hexnut. Mounting holes .280" x .440" (7.1 x 11.2mm). Slots are .910" (23.1mm) on centers, and .210" (5.3mm) wide.

**87128-4, 4-Gang ★**

5.69" long (114.5mm), mounting holes 4.89" (124.2mm) on centers.

87128-5*, 5-Gang

6.60" long (167.6mm), mounting holes 5.80" (147.3mm) on centers.

87128-6, 6-Gang

7.51" long (190.8mm), mounting holes 6.71" (170.4mm) on centers.

87128-7*, 7-Gang

8.42" long (213.9mm), mounting holes 7.62" (193.5mm) on centers.

87128-8, 8-Gang

9.33" long (237.0mm), mounting holes 8.53" (216.7mm) on centers.

87128-9*, 9-Gang

10.24" long (260.1mm), mounting holes 9.44" (239.8mm) on centers.

87128-10, 10-Gang

11.15" long (283.2mm), mounting holes 10.35" (262.9mm) on centers.

87128-12*, 12-Gang

12.97" long (329.4mm), mounting holes 11.26" (288.0mm) on centers.

87128-13, 13-Gang

13.88" long (352.6mm), mounting holes 13.08" (332.2mm) on centers.