

**J2** MASTER DISCONNECT SWITCHES

### With Hencol key

75904-02



Two Hencol keys.  
Plated steel case.  
Silver-laminated contacts.  
Brass mounting stem 3/4" -16 thread  
17/32" (13.5mm) long. Fits panels through 1/4" (6.4mm) thick.  
Two 3/8" -24 and two 10-32 studs. With indexing pin.

75904-03

Same as 75904-02, except with O-ring seal in the operating shaft.

### For two high current loads

75912



AVAILABLE  
FALL 2006

Electrical ratings: 125A continuous, 750A intermittent; 15secs On, 5min Off. Up to 36V DC max, carry only. Silver contact surfaces. Both poles are separately insulated. Four 3/8" -24 studs. Lockwasher and two brass hexnuts per stud are provided. 3/4" -16 brass mounting stem. Operating temperature range: -40° to 85°F (-40° to 29°C) O-ring seal in mounting stem; gasket seal at terminal insulator. Epoxy seal at case, mounting stem and locating pin. Heavy duty plated steel case. With indexing pin. Mounting torque 20ft lbs (27 Nm); stud torque 4.4 to 7.4 ft lbs (6-10Nm).

# battery-related products

**J3** BATTERY ISOLATORS

*For vehicles with two batteries, these devices electrically isolate the batteries to prevent the battery with the higher charge from draining into that with the lower charge. In addition, both batteries can be charged simultaneously from one source. For 12-36V DC negative ground systems (48051 is for 12V DC only). The electronic components are embedded to give excellent protection from adverse conditions, such as contamination and vibration. The integral heat sink provides efficient heat dissipation. The amp rating of each item is the maximum alternator rating. For wiring instructions, see Section J5.*

*Most alternators on new vehicles have an integral electronic voltage regulator that requires the use of the 4-stud battery isolator. The small 4th stud is for connection to a circuit switched by the ignition switch. The newer alternators were first introduced by Delco and are therefore sometimes called 'Delcotron-type alternators'. A 4-stud battery isolator can be used with older pattern alternators (in this case the 4th stud will remain unconnected), but a 3-stud battery isolator cannot be used with the Delcotron-type alternator.*

### 4-stud general purpose isolators

*For use with Delcotron-type alternators. Four studs.*

48092 90 amp



Terminations: three 1/4" (6.4mm) studs and one No. 10 stud.  
Two 9/32" (7.2mm) diameter mounting holes. Size: 6 1/2"L x 3 1/4"W x 2 13/16"H (165.0 x 82.6 x 71.0mm).

48122 140 amp



Terminations: three 5/16" (7.9mm) studs and one No.10 stud.  
Four 9/32" (7.2mm) diameter mounting holes. Size: 6"L x 4 13/16"W x 3 11/32"H (152.4 x122.2 x 84.9mm).

CONTINUED **J3**

★ Rapid ship item. BP Available in retail clamshell pack. ★ Minimum order quantity may apply.

## 48162 200 amp



Terminations: three 5/16" (7.9mm) studs and one No.10 stud. Four 9/32" (7.2mm) diameter mounting holes. Size: 8 1/2"L x 4 3/16"W x 3 13/32"H (215.0 x 122.2 x 86.5mm).

### 3-stud battery isolators

*For use with alternators that do not have an integral electronic voltage regulator.*

## 48080 42 amp



Terminations: one 10AWG 6" (152.4mm) wire lead, two 12AWG wire leads. Two 13/64" (5.2mm) diameter mounting holes. Size: 5"L x 3 1/4"W x 2 3/16"H (127.0 x 82.6 x 71.0mm).

## 48070 70 amp



Terminations: three 1/4" (6.4mm) studs. Two 9/32" (7.2mm) diameter mounting holes. Size: 5"L x 3 1/4"W x 2 3/16"H (127.0 x 82.6 x 71.0mm).

## 48090 90 amp



Terminations: three 1/4" (6.4mm) studs. Two 9/32" (7.2mm) diameter mounting holes. Size: 6 1/4"L x 3 1/4"W x 2 3/16"H (165.0 x 82.6 x 71.0mm).

## 48120 140 amp



Terminations: three 5/16" (7.9mm) studs. Four 9/32" (7.2mm) diameter mounting holes. Size: 6 1/4"L x 4 3/16"W x 3 11/32"H (152.4 x 122.2 x 84.9mm).

## 48160 200 amp



Terminations: three 5/16" (7.9mm) studs. Four 9/32" (7.2mm) diameter mounting holes. Size: 8 1/2"L x 4 3/16"W x 3 13/32"H (215.0 x 122.2 x 86.5mm).

### For ambulances

*Used to isolate medical equipment batteries from vehicle batteries. With Schottky diode, to comply with Federal Specification KKK-A-1822B for ambulances.*

## 48051 75 amp at 12V DC



## 48161 250 amp



Same as 48160, but with Schottky diodes. Terminations: three 5/16" (7.9mm) studs. Four 9/32" (7.2mm) diameter mounting holes. Size: 8 1/2"L x 4 3/16"W x 3 13/32"H (215.0 x 122.2 x 86.5mm).