DOOR MOMENTARY SWITCHES

## SPST Normally On

Off with plunger depressed, spring return to On.

## Without faceplate

9055 with 1/2" plunger



7/16" -20 thread mounting stem, 7/16" long (11.1mm), two flats on stem for mounting in double-D hole. Two screw terminals, plated steel case. 10A at 12V DC.

#### 9055-02

Same as 9055 except with one hexnut and one pal nut.

## 9264 with 1/2" button end plunger



7/16" -20 thread mounting stem, 7/16" long (11.1mm), two flats on stem for mounting in double-D hole. Two screw terminals, plated steel case. 10A at 12V DC.

#### 9264-02

Same as 9264 except with 7/8" (22.2mm) mounting stem. 10A at 12V DC.

### 9003



1/2" -20 thread mounting stem, 1/4" long (6.4mm), two screw terminals, 13/32" plunger (7.9mm). 5A at 12V DC

## With faceplate

9001 with screw terminals



#### 9270 with blade terminals

Similar to 9001, but with two blade terminals.

#### 9050-01 self-grounding

Same as 9001, but with one screw terminal.

### 9087 with screw terminals, four mounting holes BP

Four 3/16" diameter mounting holes, 1 3/8" and 2 1/16" on center (34.9, 51.0mm). 45/64" diameter (4.8mm) plated steel case. Plunger: 7/16" long (11.1mm). 5A at 12V DC.



### 9270-01 with sealed plunger, and wire leads

Two .144" (3.7mm) diameter mounting holes, 1 1/2" (38.1mm) on centers. 0.70" diameter (17.8mm) plated steel case. Plunger: 0.436" long (11.1mm). Black rubber cap on plunger, and PVC coating on 8" (203.0mm) wire leads protect against moisture and dirt. 5A at 12V DC.

9006 switch with boot 💷 눚



Black rubber boot covers and protects the face of the switch, making it dustresistant. Plastic button. 4A at 12V DC lamp load. Two 2mm x 5mm blade

terminals. 4A at 12V DC. International Trucks OEM replacement part 3579984C1 for trucks in these series: 2007, 4000, 7000, 8000, 9000.







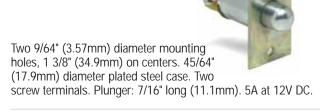
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DOOR MOMENTARY SWITCHES

## **SPST Normally Off**

On with plunger depressed, spring return to Off

9002 with screw terminals



#### 9269 with screw terminals

Same as 9002, but with two blade terminals, and mounting holes 1 1/2" (38.1mm) on centers.

#### 9004\* without faceplate



1/2" -20 thread mounting stem, 1/4" (6.4mm) long, two screw terminals, 13/32" (10.3mm) plunger. 5A at 12V DC.

## **DPST Normally On**

Off with plunger depressed, spring return to On. For energizing two circuits simultaneously. Popular for use in school bus stepwell and door control. 10A at 12V DC

#### 9118 with screw terminals 🜟



7/16" -20 thread mounting stem, 7/16" (11.1mm) long, two flats on stem for mounting in double-D hole. Four screw terminals. Plunger 19/64" (7.54mm) long. 10A at 12V DC.

#### 91801 with blade terminals 🛨



Same as 9118, except with four blade terminals. 10A at 12V DC.

#### 9118-04 with long mounting stem

Same as 9118, except with 7/8" (22.2mm) long mounting stem and two hexnuts and one lockwasher. 10A at 12V DC.

#### 91801-01



Same as 91801, except with one insulated, one grounded circuit and three blade terminals. 10A at 12V DC.

## DPST Normally Off

On with plunger depressed, spring return to Off.

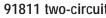
9180



7/16" -20 thread mounting stem, 7/16" (11.1mm) long, two flats on stem for mounting in double-D hole. Four screw terminals, plunger 15/32" (11.9mm) long. 10A at 12V DC.

#### School Bus Switches

Designed for use in 8 light warning systems in school buses. 10A at 12V DC





Normally On - Mom Off - Mom On. Two circuits. 7/16" -28 thread mounting stem, 3/4" (19.0mm) long, flat on stem for mounting in D hole. Four screw terminals, Plunger 23/64" (9.2mm) long. Extra-heavy duty. 10A at 12V DC.

#### 91804 four-circuit DPDT



Normally On. Momentary Off. 7/16" -28 thread mounting stem, 3/4" (19.0mm) long, flat on stem for mounting in D hole. Six screw terminals, Plunger 23/64" (9.2mm) long. Extra-heavy duty. 10A at 12V DC.

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DOOR MOMENTARY SWITCHES

### 91800 with stationary Off and momentary Off positions. 3 positions.



Normally On. Pull-out feature permits circuit to be shut off manually when the door must remain open and operation is not required. 7/16" -20 thread mounting stem, 7/16" (11.1mm) long. Two flats on stem for mounting in double-D hole. Two screw terminals. Plunger is 7/32" (5.6mm) long at On, 3/4" (19.0mm) at Off. 10A at 12V DC.

#### 91050 5-Circuit Door Switch



For school bus door operation in conjunction with Cole Hersee relay 91052 (See Section M1). 7/16" -28 thread mounting stem, 7/8" (22.2mm) long. Eight blade terminals, plunger 5/16" (8.0mm) long. Silver-laminated contact surfaces. On position: door open, terminals 1&2, 5&7, 6&8 closed. Momentary On position: door closed, terminals 1&2, 7&9, 9&10 closed. Terminals 1&2 momentarily Open as plunger travels from On to momentary On, to reset the relay. Terminal 1 to relay, terminal 2 to ground, terminals 5&6 to red flashing lights, terminal 7&8 to flasher terminals, terminals 9 &10 to amber flashing lights. 10A at 12V DC.



Color-coded buttons make it easy to select On and Off functions. See Section G5.

## Normally grounded switches

Self-grounding in metal panels. Contacts Open with plunger depressed, spring return to Ground.

Single-circuit 91812



7/16" -20 thread mounting stem, 7/16" (11.1mm) long, two flats on stem for mounting in double-D hole. One blade terminal, plunger 33/64" (13.1mm) long. 5A at 12V DC.

9266



3/8" -24 self-tapping thread, mounting stem 5/16" (8.0mm) long. One female bullet terminal, plunger 5/8" (15.9mm) long, self-adjusting to 3/16" (4.8mm) long. Operates with 7lbs (3.2 kg) minimum pressure. 5A at 12V DC.

Replaces: AMC 3662814, Chrysler 1971931, 1972329, 2770849, 2822592, 3843643, GMC 4891633, Motorcraft SW-518.

9251 🌟



5/16" -18 self-tapping thread, mounting stem 1/2" (12.7mm) long. One female bullet terminal, plunger 7/16" (11.1mm) long, operates with 35oz (.99 kg) minimum pressure. 5A at 12V DC.

Replaces: Chrysler 1571542, 1594751, 1688514, 1838957, GMC 4882978, 6276718, Motorcraft SW-690 (one terminal application).

91822



3/8" -24 self-tapping thread, mounting stem 7/32" (5.6mm) long. One blade terminal, plunger 5/16" long, self-adjusting to 1/4" long. Operates with 6lbs (2.7 kg) minimum pressure. 3A at 12V DC.

Replaces: GMC 9665205, 9839085, 20057138.

CONTINUED G





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DOOR MOMENTARY SWITCHES

## **Two-circuit**

Two circuits grounded simultaneously. 5A at 12V DC

#### 91823 🌟



3/8" -24 thread, mounting stem 7/32" (5.6mm) long. Two blade terminals, plunger 3/16" (4.8mm) long, self-adjusting to 1/4" (6.4mm) long. Operates with 7lbs (3.2 kg) minimum pressure. 5A at 12V DC.

Replaces: AMC 3631896, 3662814, Chrysler 2497590, 2889084, GMC 9852254, 20603498, Motorcraft SWG-1115.

#### 91840



1/2" -28 self-tapping thread, mounting stem 5/16" (8.0mm) long. Two blade terminals, plunger 3/4" (19.0mm) long, self-adjusting to 9/16" (14.3mm) long. 5A at 12V DC.

Replaces: Chrysler 4221254.

#### 91843\*



3/8" -24 self-tapping thread, mounting stem .33" (8.38mm) long. Two blade terminals, plunger .85" (21.6mm) long, self-adjusting. 5A at 12V DC.

Replaces: GMC 20545277, 20591843.



## lockouts

Lockouts and tagouts prevent operators, technicians and maintenance personnel from unanticipated power-ups that might cause injury or death.

According to OSHA, "A lockout device utilizes a positive means such as a lock to hold an energy isolating device in a safe position and prevent the energization of a machine." A tagout is a tag or seal that states 'Do not operate or remove this tag' and is signed by the person who places the tagout. Procedures specify that nobody but that person may remove the tag.

A lockout on a battery switch not only keeps a vehicle safe, but also immobilizes it. A locked out vehicle is less vulnerable to battery drain or theft. See Section J4 for lockout kits.