



500C/CW Series Door Switch

General Description

The GE Series 500C Door Switch is a plunger-push type door switch from GE. The easy-to-install switches feature front snap-in mounting for panels 1/32" to 1/8" thick, and can easily be installed or replaced from the front of the appliance. The GE Series 500C is available in the following circuit configurations: SPST NC, SPST NO, SPDT, 2-line 2-circuit & 3 point-NO plus SP-NC. The above switch is also sold in model Series 500CW to provide moisture resistance for laundry and refrigeration applications.

Typical Applications

- Residential Refrigeration
- Commercial Refrigeration
- Laundry Washer and Dryer
- Freezers
- Ranges/Ovens
- Microwave Ovens

Technical Data

Terminals

Normally Closed or Normally Open Contacts

.110" x .031" Quick Connect [2.8 x 0.8mm]
.187" x .031" Quick Connect [4.8 x 0.8mm]
.250" x .031" Quick Connect [6.4 x 0.8mm] NC only

Electrical Ratings

- 125VAC (Inductive) - 1 Ampere
- 125VAC (Tungsten) - 1-1/2 Amperes
- 250VAC (Inductive) - 4 Amperes
- 1/3HP @ 125-250VAC
- 12V DC - 4 Amperes

Agency Listings

Underwriters Laboratories, Inc.
Recognized under UL File E2010, Guide WYOR2
Series 500CW switches meet the requirements of UL250, Component Washing Test.

Canadian Standards Association
Certified under CSA File 7136, Guide 380W 19.4

Panel Cut-Out

- Panel Thickness: .031" [0.8mm] to .125" [3.2mm]
- Cut-out size: .750" [19.1mm] Dia. hole

Characteristics



- Endurance: up to 100,000 operations
- Operating force: various force available
- Temperature limits for various configurations:
 - 392°F (200°C)
 - 302°F (150°C)
 - 275°F (135°C)
 - 170°F (76°C)

Features

Body/Actuator Color

Standard body/actuator color available in:

- White
- Black

*Additionally, dark gray body color for high temperature 392°F (200°C) applications.

Actuator Style

Standard actuator style:

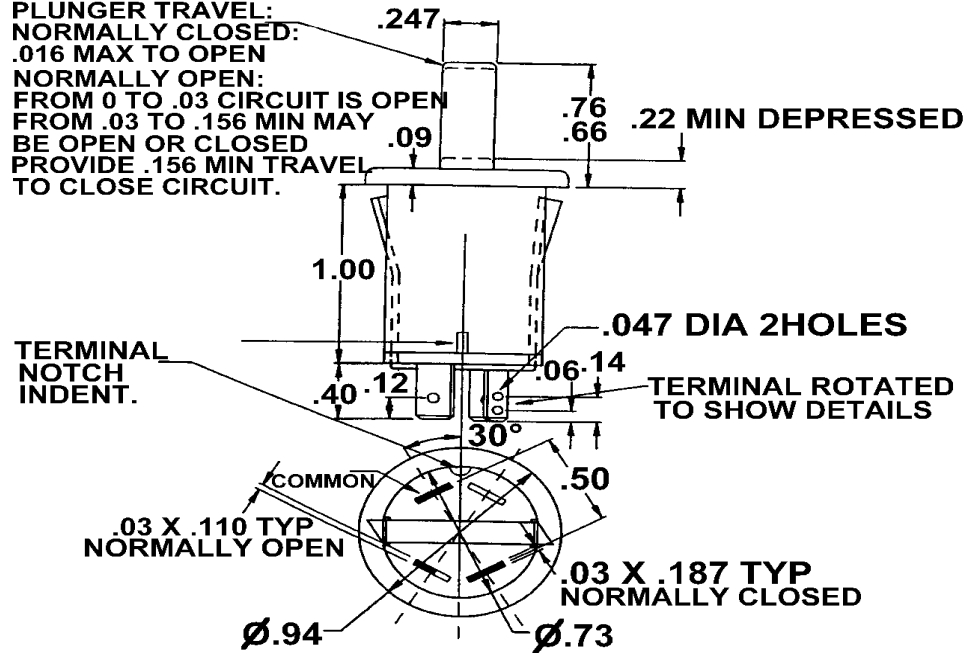
- Shown in above picture

*Modified actuator styling is available with tooling.

Materials

- Switch Body Phenolic, Urea or Diallyl Phthalate
- Actuator Valox, Ryton Nylon
- Backplate Phenolic, Ryton
- NO/NC terminals Copper alloy with silver plating option
- Bracket/Spring Steel

PLUNGER TRAVEL:
 NORMALLY CLOSED:
 .016 MAX TO OPEN
 NORMALLY OPEN:
 FROM 0 TO .03 CIRCUIT IS OPEN
 FROM .03 TO .156 MIN MAY
 BE OPEN OR CLOSED
 PROVIDE .156 MIN TRAVEL
 TO CLOSE CIRCUIT.



ONLY TOLERANCED DIMENSIONS
 ARE SUBJECT TO INSPECTION.
 OTHERS ARE REF. DIMENSIONS
 FOR TYPE APPROVAL.