

# 2020 SERIES

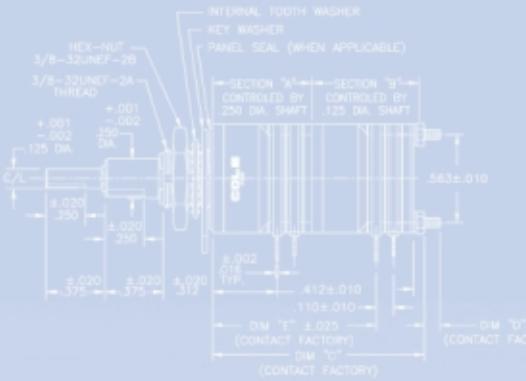
## Inertia Switches

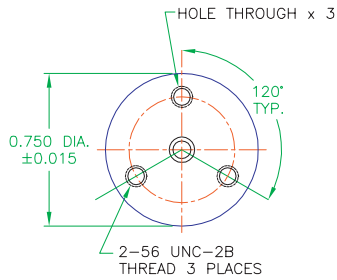
Cole's 2020 Series Inertia Switch provides the ultimate mechanical and electrical reliability.

The 2020 Series is available with one pole and with variable amplitude of 1 to 100 Gs, with turret or solder lug terminals, and with normally open (N.O.) or normally closed (N.C.) contacts. They are also resettable for testing purposes.

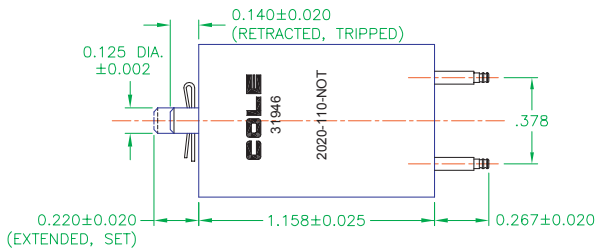
Cole's inertia switch is designed for critical ordnance applications, missile arming, wing deployment and detonation on impact.

Precision construction with the highest quality materials provides high current capacity with constant low contact resistance and exceedingly stringent inspection and testing procedures promise extreme reliability.

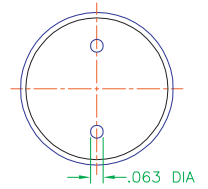




Front View

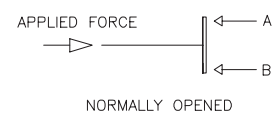
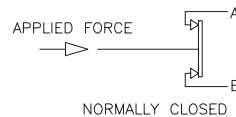
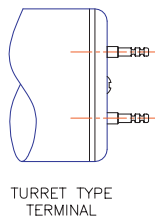
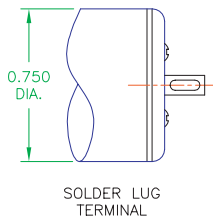


Side View



Rear View

Typical Features



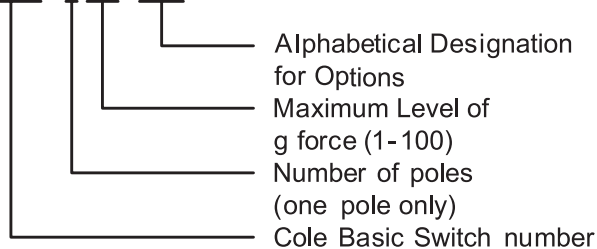
NOTES:

1. Dimensions are in inches.
2. Unless otherwise specified, tolerances are  $\pm.005$  and  $\pm 3^\circ$  on angles (non-accumulative)
3. Switch latches close on impact.

ORDERING INFORMATION

Sample Code

2020 - 1 05 - \*\*\*\*



OPTIONS

The following options can be added to the standard switch. When ordering, simply add the letters after the basic part number.  
 M = with Mounting plate.  
 NO = Normally Opened structure.  
 NC = Normally Closed structure.  
 T = with Turret Type Terminals  
 S = with Solder Lug Terminals.



## Series 2020 Technical Data

| Specification   | Unit            | Value       | Note:  |
|---|-----------------|-------------|--|
| Continuous (Non-Switching) Current Carrying Capacity    | Amps            | 6           |  |
| Switching Current Capacity at 28 VDC resistive          | Amps            | 0.250       | at Atmospheric pressure with 85°C and at reduced Barometric pressure with 25°C |
| Switching Current Capacity at 115 VAC resistive         | Amps            | 0.150       |  |
| Switching Current Capacity at 28 VDC inductive (2.8 H.) | Amps            | 0.030       |  |
| Dielectric Strength, min.                               | VAC             | 3,000       |  |
| Contact resistance                                      | milliohms (mΩ)  | 50          |  |
| Insulation resistance                                   | megaohms (MΩ)   | Infinity    |  |
| Contact Surfaces  |                 | Gold plated | .00003 gold over pure silver   |
| G-Force   | G               | 1 to 100    |  |
| Altitude  | feet            | 70,000      | typical pressure at 70,000 feet: 0.64 psi                                      |
| Temperature, min.                                       | degrees Celsius | -65         |  |
| Temperature, max.                                       | degrees Celsius | 85          |  |

