

DDS Series

Micro Mini Thru-hole Detect Switches



Features/Benefits

- Vertical or horizontal actuation
- 2mm overtravel—Ideal for detector applications
- Low actuations force (less than 40 grams)
- RoHS compliant and compatible

Typical Applications

- Detect the presence of a mechanical device
- Medical devices
- Consumer electronic devices

Specifications

CONTACT RATING: 0.1A @ 30 VDC.
MECHANICAL & ELECTRICAL LIFE: 50,000 cycles.
CONTACT RESISTANCE: 150 m Ω max. initial.
INSULATION RESISTANCE: 100 M Ω min. @ 100 VDC.
OPERATING TEMPERATURE: -20°C to +70°C.
DIELECTRIC STRENGTH: 100 volts AC @ 60 Hz.
PACKAGING: Bulk.

Materials

HOUSING: P.P.S.
ACTUATOR: PA66
MOVABLE CONTACT: Tin bronze, silver plated.

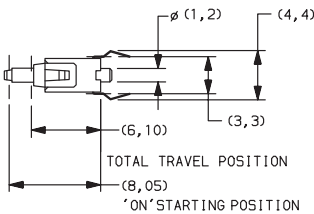
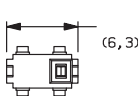
NOTE: Specifications and materials listed above are for switches with standard options. For information on specific and custom switches, consult Customer Service Center.

How To Order

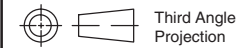
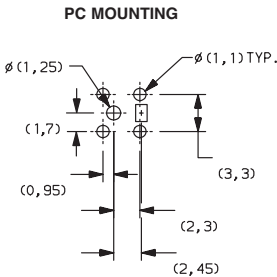
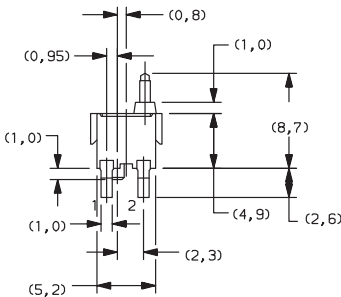
Complete part numbers for DDS Series Switches are shown below.



DDS001
SPST



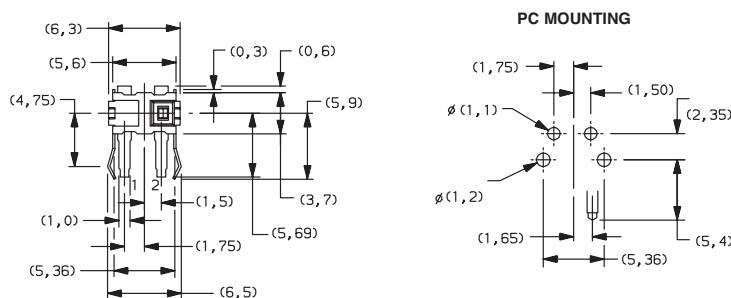
PART NUMBER	DESCRIPTION	SCHEMATIC
DDS001	Vertical Actuator	 SPST N.O.



Dimensions are shown: mm

Specifications and dimensions subject to change





Technical drawing of a 3D printer nozzle assembly. The drawing includes a side view on the left and a top view on the right. Dimensions are given in (X, Y) format, where X is horizontal distance from the left and Y is vertical distance from the bottom. Key dimensions include:

- $(1, 65)$: Distance from left edge to nozzle tip.
- $(3, 0)$: Distance from nozzle tip to center of nozzle.
- $(3, 15)$: Distance from nozzle tip to center of nozzle.
- $(0, 20)$ MAX.: Maximum vertical distance from nozzle tip to top of nozzle.
- $(1, 2)$: Diameter of nozzle tip.
- $(0, 1)$ TYP.: Typical vertical distance from nozzle tip to top of nozzle.
- $(1, 0)$ TYP.: Typical vertical distance from nozzle tip to top of nozzle.
- $(5, 0)$ 'on' start position: Vertical distance from nozzle tip to 'on' start position.
- $(8, 5)$: Vertical distance from nozzle tip to top of nozzle.
- $(5, 1)$: Vertical distance from nozzle tip to top of nozzle.
- $(3, 2)$: Vertical distance from nozzle tip to top of nozzle.
- $(3, 0)$: Vertical distance from nozzle tip to top of nozzle.
- $(5, 4)$: Vertical distance from nozzle tip to top of nozzle.
- Total travel position: Indicated by a vertical line on the right.



E

Detect

