



### ZV50E10B01



Actual product appearance may vary.

**ZV Series, Subminiature Basic Switch,  
SPDT, 6(2)A 250 Vac, 6 A, Straight  
Lever Actuator, Solder Termination**

#### Features

- Subminiature: 10,6 mm H x 6,4 mm W x 19,8 mm L [0.42 in H x 0.25 in W x 0.78 in L]
- Choice of low energy or power duty electrical ratings (gold-plated or silver contacts)
- Single pole double throw (SPDT) circuitry or single pole single throw (SPST) circuitry available
- Choice of 0.1 or 6 A ratings
- Choice of actuation, termination and operating characteristics
- Polyamide (nylon) housing material

#### Potential Applications

- Appliances
- Vending machines
- Timing devices
- Office equipment
- Computer/business equipment
- Test instruments
- Medical/dental equipment
- Communications equipment
- HVAC equipment
- Manually operated devices
- Valves

#### Description

MICRO SWITCH™ ZV Series subminiature basic switches are used for simple or precision ON/OFF application needs. These switches combine small size and light weight with ample electrical capacity, low cost and long life.

Product Specifications	
Switch Type	MICRO SWITCH™ Subminiature 10,6 mm H x 6,4 mm W x 19,8 mm L [0.42 in H x 0.25 in W x 0.78 in L]
Sealed	No
Ampere Rating	6 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Straight Lever
Termination	Solder
Operating Temperature Range	-25 °C to 85 °C [-13 °C to 185 °C]
Voltage	6(2)A 250 Vac
Approvals	CE,UL,ENEC
Actuator Length	17,4 mm [0.69 in]
Contact Type	Silver Cadmium Oxide
Operating Force (O.F.)	0,50 N [1.80 oz] max.
Release Force (R.F.)	0,098 N [0.35 oz] min.

Pretravel (P.T.)	4,6 mm [0.181 in] max.
Overtravel (O.T.)	0,9 mm [0.035 in] min.
Differential Travel (D.T.)	0,8 mm [0.032 in] max.
Operating Position (O.P.)	11,8 mm $\pm$ 1,1 mm [0.465 in $\pm$ 0.043 in]
Free Position (F.P.)	17,5 mm [0.689 in] max.
Housing Material	Polyamide (Nylon)
Humidity	Max. 85% RH at 40 °C [104 ° F]
High Temperature	85 °C [185 °F]
Mechanical Service Life	Min. 5,000,000 operations
Dielectric Strength	750 Vac (50 Hz to 60 Hz) between contacts and 1,250 Vac (50 Hz to 60 Hz) between terminals and ground, for one minute
Electrical Service Life	Min. 10,000 on resistive and motor load current, 6(2)A 250 Vac
Electrical Operating Frequency	Max. 30 operations per minute
CE mark	61058-1
UL File #	E12252
C-UL File #	E12252
Agency Approvals and Standards	1054
Mounting Screw Size	2,3 mm [0.091 in] Flat fillister head
Mounting Centers	9,5 mm [0.37 in]
Maximum Tightening Torque	0,31 N m [2.7 in lb]
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Prod Code (Stock No.)	FBY0010
Series Name	ZV