



### ZW10E15CD1

**ZW Series, Sealed Subminiature Basic Switch, SPDT, 125/250 Vac, 0.1 A, Straight Lever Actuator, Solder Angled Termination**



*Actual product appearance may vary.*

#### Features

- Subminiature: 9,0 mm H x 6,4 mm W x 19,8 mm L [0.36 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 A or 5 A ratings
- Choice of actuation, termination and operating characteristics
- Polycarbonate housing material
- IP67 sealed construction available

#### 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™ ZW Series subminiature basic switches are used for simple or precision ON/OFF application needs. These switches combine small size and light

#### Product Specifications

Switch Type	MICRO SWITCH™ Subminiature 9,0 mm H x 6,4 mm W x 19,8 mm L [0.36 in H x 0.25 in W x 0.78 in L]
Sealed	Yes IP00
Ampere Rating	0.1 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Straight Lever
Termination	Solder Angled
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]

Voltage	125/250 Vac
Approvals	CE,UL,ENEC,cUL
Actuator Length	19,4 mm [0.76 in]
Contact Type	Gold Plated Silver
Operating Force (O.F.)	0,54 N [1.94 oz] max.
Release Force (R.F.)	0,11 N [0.39 oz] min.
Pretravel (P.T.)	4,8 mm [0.189 in] max.
Overtravel (O.T.)	1,0 mm [0.039 in] min.
Differential Travel (D.T.)	0,7 mm [0.028 in] max.
Operating Position (O.P.)	8,8 mm $\pm$ 1,2 mm [0.347 in $\pm$ 0.047 in]
Free Position (F.P.)	14,8 mm [0.583 in] max.
Housing Material	PBT Polyester Thermoplastic
Humidity	Max. 85% RH at 40 °C [104 ° F]
High Temperature	85 °C [185 °F]
Mechanical Service Life	Min. 1,000,000 operations
Dielectric Strength	1,000 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. 1,000,000 operations on resistive load current 0.1 A at 125/250 Vac
Electrical Operating Frequency	Max. 400 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	ZW