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## ZV50E70C01 Standard Miniature and Subminiature Switches

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*Actual product appearance may vary.*

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

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### 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                      | SPDT   |
| Actuator                       | Straight Lever   |
| Termination                    | Quick Connect  |
| Operating Temperature          | -25 °C to 85 °C [-13 °F to 185 °F]   |
| Voltage                        | 6(2)A 250 Vac  |
| Actuator Length                | 19,4 mm [0.76 in]  |
| Contact Type                   | Silver Cadmium Oxide   |
| Operating Force (OF)           | 0,44 N [1.59 oz] max.  |
| Release Force                  | 0,09 N [0.31 oz] min.  |
| Pretravel (PT)                 | 5,1 mm [0.201 in] max.   |
| Overtravel (OT)                | 1,0 mm [0.039 in] min.   |
| Differential Travel (DT)       | 0,81 mm [0.032 in] max.  |
| Operating Position (OP)        | 11,8 mm ±1,2 mm [0.465 in ±0.047 in]   |
| Free Position (FP)             | 18,1 mm [0.713 in] max.  |
| Housing Material               | Polyamide (Nylon)  |
| Humidity                       | 85 % RH max. at 40 °C [104 °F]   |
| High Temperature               | 85 °C [185 °F]   |
| Expected Mechanical Life       | 5 Million min.   |
| Dielectric Strength            | 750 Vac (50 Hz to 60 Hz) between contacts and 1250 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 | 30 Operations per Minute max.  |
| Agency Approvals and Standards | UL, CE, ENEC   |
| Mounting Screw Size            | 2,3 mm [0.091 in] Flat fillister head  |

|                       |                                       |
|-----------------------|---------------------------------------|
| Mounting Centers      | 9,5 mm [0.37 in]                      |
| Tightening Torque     | 0,31 N m [2.7 in lb]                  |
| Comment               | CE: 61058-1; UL: E12252; c-UL: E12252 |
| Availability          | Global                                |
| UNSPSC Code           | 30211905                              |
| UNSPSC Commodity      | 30211905 Snap switches                |
| Prod Code (Stock No.) | FBY0010                               |
| Series Name           | ZV                                    |

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