

Honeywell Sensing and Control

ZV50E10B01



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

Actual product appearance may vary.

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 SWITCHTM 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 ^{M} 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.

Overtravel (P. 1.) Overtravel (O.T.) Oyertravel (O.T.) Differential Travel (D.T.) Operating Position (O.P.) 11,8 mm ± 1,1 mm [0.465 in ± 0.043 in] Free Position (F.P.) Housing Material Housing Material Housing Material Polyamide (Nylon) Humidity Max. 85% RH at 40 °C [104 ° F] High Temperature 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 # Agency Approvals and Standards Mounting Screw Size 2,3 mm [0.091 in] Flat fillister head Mounting Centers 9,5 mm [0.37 in] Maximum Tightening Torque Availability UNSPSC Code UNSPSC Code UNSPSC Commodity Prod Code (Stock No.) FBY0010 Series Name	Drotroval (D.T.)	4.6 mm [0.101 in] may
Differential Travel (D.T.) Operating Position (O.P.) 11,8 mm ± 1,1 mm [0.465 in ± 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 UL File # E12252 C-UL File # E12252 Agency Approvals and Standards Mounting Screw Size 2,3 mm [0.091 in] Flat fillister head Mounting Centers 9,5 mm [0.37 in] Maximum Tightening Torque O,31 N m [2.7 in lb] Availability UNSPSC Code UNSPSC Commodity FBY0010	Pretravel (P.T.)	4,6 mm [0.181 in] max.
Operating Position (O.P.) 11,8 mm ± 1,1 mm [0.465 in ± 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 Agency Approvals and Standards 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 UNSPSC Code UNSPSC Commodity Prod Code (Stock No.) FBY0010	Overtravel (O.T.)	0,9 mm [0.035 in] min.
O.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 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	Differential Travel (D.T.)	0,8 mm [0.032 in] max.
Housing Material 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 Mounting Screw Size Mounting Centers 9,5 mm [0.091 in] Flat fillister head Mounting Centers 9,5 mm [0.37 in] Maximum Tightening Torque Availability Global UNSPSC Code UNSPSC Commodity Prod Code (Stock No.)	Operating Position (O.P.)	_
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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	Housing Material	Polyamide (Nylon)
Mechanical Service Life Min. 5,000,000 operations 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 Mounting Screw Size Mounting Centers 9,5 mm [0.091 in] Flat fillister head Mounting Centers 9,5 mm [0.37 in] Maximum Tightening Torque Availability Global UNSPSC Code 30211905 UNSPSC Commodity Prod Code (Stock No.) FBY0010	Humidity	Max. 85% RH at 40 °C [104 ° F]
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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 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 UNSPSC Code UNSPSC Commodity Prod Code (Stock No.) FBY0010	Mechanical Service Life	Min. 5,000,000 operations
Ioad current, 6(2)A 250 Vac Electrical Operating Frequency Max. 30 operations per minute 61058-1 UL File # E12252 C-UL File # E12252 Agency Approvals and Standards Mounting Screw Size Mounting Centers 9,5 mm [0.37 in] Maximum Tightening Torque Availability UNSPSC Code UNSPSC Commodity Prod Code (Stock No.)	Dielectric Strength	contacts and 1,250 Vac (50 Hz to 60 Hz) between terminals and
CE mark UL File # E12252 C-UL File # E12252 Agency Approvals and Standards Mounting Screw Size Mounting Centers Mounting Centers 9,5 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 UNSPSC Code 30211905 UNSPSC Commodity Prod Code (Stock No.) FBY0010	Electrical Service Life	
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	Electrical Operating Frequency	Max. 30 operations per minute
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	CE mark	61058-1
Agency Approvals and Standards 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 Prod Code (Stock No.) FBY0010	UL File #	E12252
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	C-UL File #	E12252
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	Agency Approvals and Standards	1054
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	Mounting Screw Size	2,3 mm [0.091 in] Flat fillister head
Availability Global UNSPSC Code 30211905 UNSPSC Commodity 30211905 Snap switches Prod Code (Stock No.) FBY0010	Mounting Centers	9,5 mm [0.37 in]
UNSPSC Code 30211905 UNSPSC Commodity 30211905 Snap switches Prod Code (Stock No.) FBY0010	Maximum Tightening Torque	0,31 N m [2.7 in lb]
UNSPSC Commodity 30211905 Snap switches Prod Code (Stock No.) FBY0010	Availability	Global
Prod Code (Stock No.) FBY0010	UNSPSC Code	30211905
	UNSPSC Commodity	30211905 Snap switches
Series Name ZV	Prod Code (Stock No.)	FBY0010
	Series Name	ZV