# Honeywell

# V-Basic Standard V15 Series Electromechanical Basic Switch



#### DESCRIPTION

Honeywell's V-Basic Standard V15 series is an electromechanical switch designed for enhanced reliability at a great value. This switch is often ideal for "low-cost-of-failure" – where the cost to replace the switch or to service any failure related to the switch is minimal. The V15 is designed for applications requiring  $\geq$  100 g of operating force and electrical ratings ranging from 16A to 22A.

The V15 Series switch offers a wide range of standard offerings, including a choice of actuators, electrical ratings, operating forces, and circuitry, and holds global approvals (ENEC, CQC, UL, cUL).

#### FEATURES

- Broad range of electrical loads
- Straight, roller, simulated roller, and special actuators
- Special terminations available upon request
- · Precision operation and application versatility
- Wide temperature range
- Global approvals (ENEC, CQC, UL, cUL)

#### BENEFITS

- Compatible with many applications due to the switches design flexibility, broad range of electrical loads, and actuators
- Accepts insulated connections, most quick connect openings
- · Reliability, repeatability within range of conditions

#### POTENTIAL APPLICATIONS

- Appliance
- Gaming
- Vending machines
- Water heaters
- Industrial controls

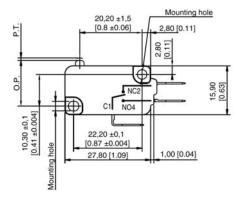
### **V-Basic Standard V15 Series**

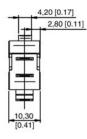
Specifications	
Insulation resistance	≥ 100 mOhm (500 Vdc)
Dielectric strength	1000 Vac (50 Hz/60 Hz, 1 min.)
Contact resistance	100 milliOhm max.
Operating frequency - electrical	10 to 30 operations per minute
Operating frequency – mechanical	300 operations per minute max.
Operating speed	0,1mm - 1m/sec.
Service life mechanical	5 million cycles (operating force $\leq$ 200 g); 1 million cycles (operating force > 200 g)
Service life electrical	6000 or 50000 operations minimum
Storage temperature	-25 °C to 100 °C [-13 °F to 212 °F]
Storage humidity	85 % RH max.
Micro disconnection (µ)	< 3 mm contact gap
Agency approvals	ENEC, CQC, UL, cUL

#### **ELECTRICAL CHARACTERISTICS**

Electrical rating	
16	ENEC/CQC ; 16(4) A, 250 Vac (50000 cycles)
	UL/cUL ; 161/2 HP, 125 Vac/250 Vac (6000 cycles)
22	ENEC/CQC: 22(8)A, 250 Vac (10000 cycles)
	UL/cUL: 22 A 1HP, 125 Vac/250Vac (6000 cycles)

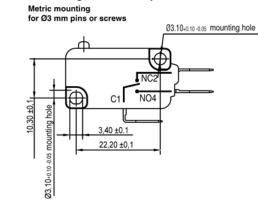
#### DIMENSIONS





#### MOUNTING HOLE DIMENSIONS

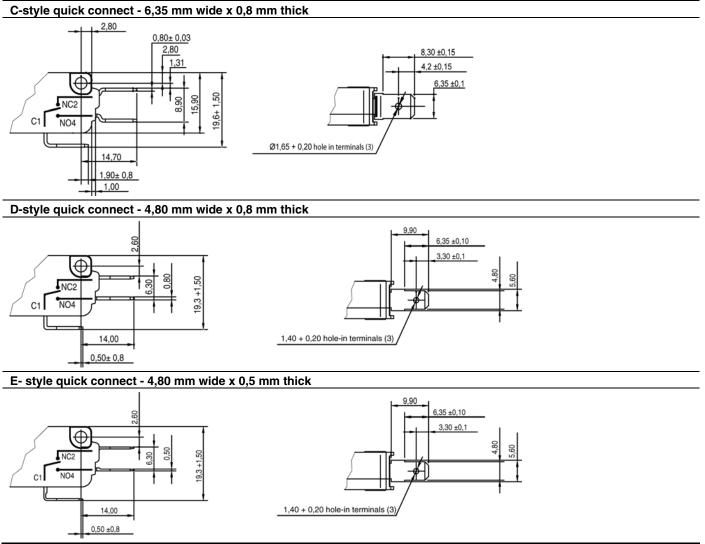
Metric mounting for Ø3 mm pins or screws



#### **USA** mounting for #4 screws

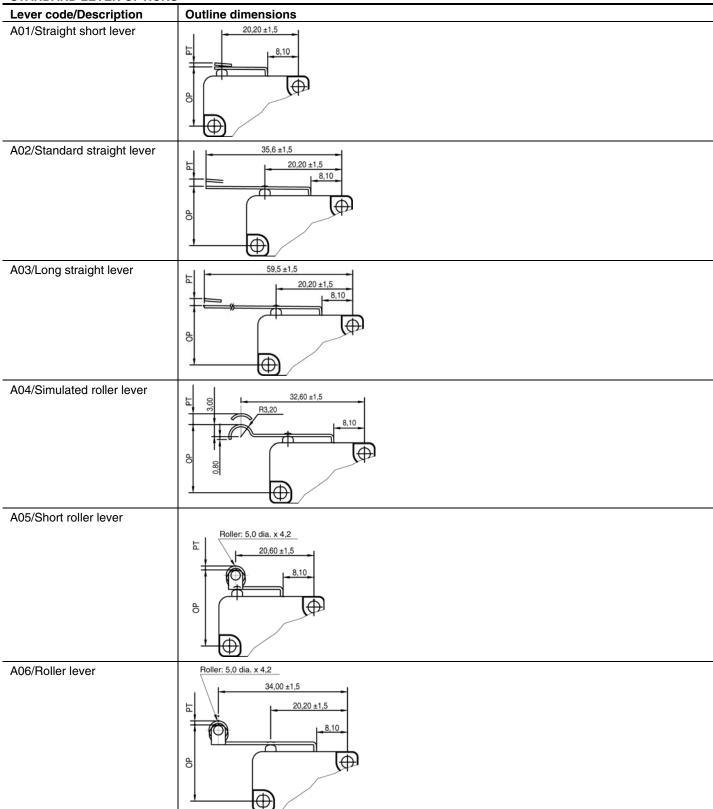
### **Electromechanical Basic Switches**

#### **CONNECTION DIMENSIONS**



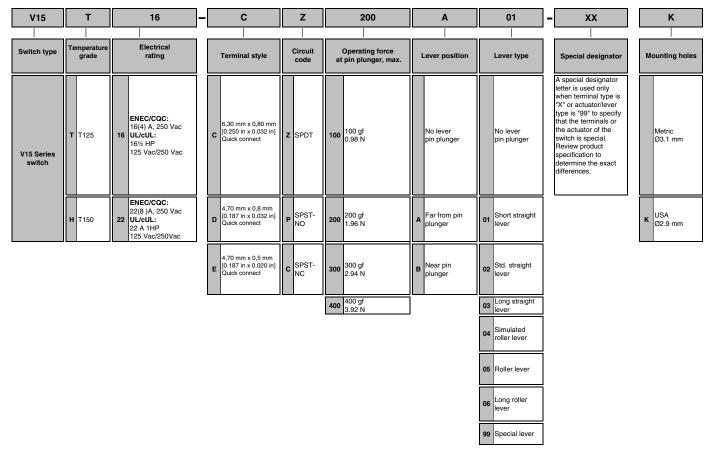
## **V-Basic Standard V15 Series**

#### STANDARD LEVER OPTIONS



### **Electromechanical Basic Switches**

#### NOMENCLATURE TREE



#### **ORDER GUIDE**

The V-Basics standard V15 series provide customers with the flexibility to request quotes FOB Hong Kong or FOB Freeport. In addition, drop shipments can be arranged to any location in Asia Pacific.

- FOB Freeport orders will be entered using ICOM. Lead time 8 weeks.
- FOB New House orders will be entered using SAP. Lead time 8 weeks.
- FOB Hong Kong or drop shipments a special order request form will need to be submitted please contact your application engineer or product manager for details.

### A WARNING

#### PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

### A WARNING

#### **MISUSE OF DOCUMENTATION**

- The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.
- Complete installation, operation, and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

#### WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

#### SALES AND SERVICE

Honeywell serves its customers through a worldwide network of sales offices, representatives and distributors. For application assistance, current specifications, pricing or name of the nearest Authorized Distributor, contact your local sales office or:

E-mail: info.sc@honeywell.com

Internet: www.honeywell.com/sensing

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