MICRO SWITCH™ V-Basic Switch Standard V15 Series



Electromechanical Basic Switch

DESCRIPTION

Honeywell's MICRO SWITCHTM V-Basic Switch 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 ≥ 100 g of operating force and electrical ratings ranging from 16A to 26A.

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)

POTENTIAL APPLICATIONS

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

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

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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 ≤ 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

20,20 ±1,5

[0.8 ±0.06]

Electrical rating				
11	ENEC/CQC; 11(3) A, 125/150 Vac			
	UL/cUL; 11(3) A, 125/150 Vac			
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)			
26	ENEC: 26(10) A, 250 Vac (25000 cycles)			

4,20 [0.17]

DIMENSIONS

P.T.

2,80 2,80 [0.11] O.P. 15,90 [0.63] NC NO4 10,30 ±0,1 [0.41 ±0.004] 22,20 ±0,1 [0.87 ±0.004] 1,00 [0.04] 27,80 [1.09] 2,8 mm [0.11 in] 20,2 mm ±0,25 mm [0.8 in ±0,01 in] 2,8 mm [0.11 in] 16,4 mm [0.65 in] 20,9 mm 15.9 mm 10.3 mm ±0.10 mr 7,1 mm [0.28 in] 5,7 mm [0. [0.63 in] [0.41 in ±0.004] [0.82 in] 5,25 mm [0.21 in] 6,7 mm = [0.26 in] [0.3 in] 27,8 mm [1.09 in] - 34,5 mm [1.36 in]

Mounting hole

2,80 [0.11]

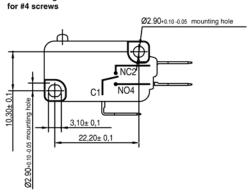
MOUNTING HOLE DIMENSIONS Metric mounting for Ø3 mm pins or screws

Metric mounting for Ø3 mm pins or screws

03.10+0.10-0.05 mounting hole

USA mounting for #4 screws

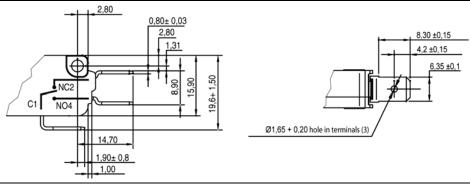
US mounting for #4 screws



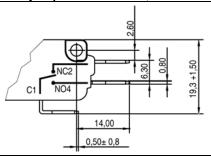
Electromechanical Basic Switches

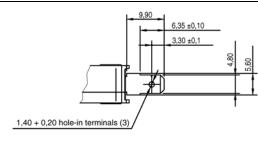
CONNECTION DIMENSIONS

C-style quick connect - 6,35 mm wide x 0,8 mm thick

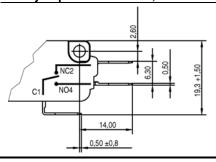


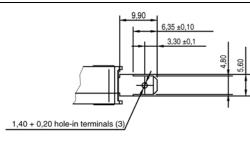
D-style quick connect - 4,80 mm wide x 0,8 mm thick





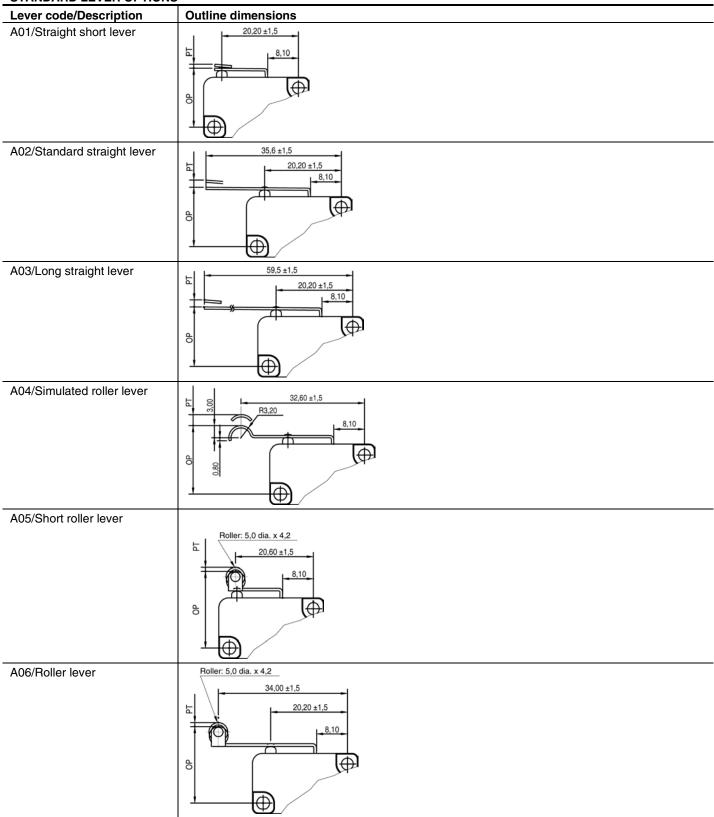
E- style quick connect - 4,80 mm wide x 0,5 mm thick



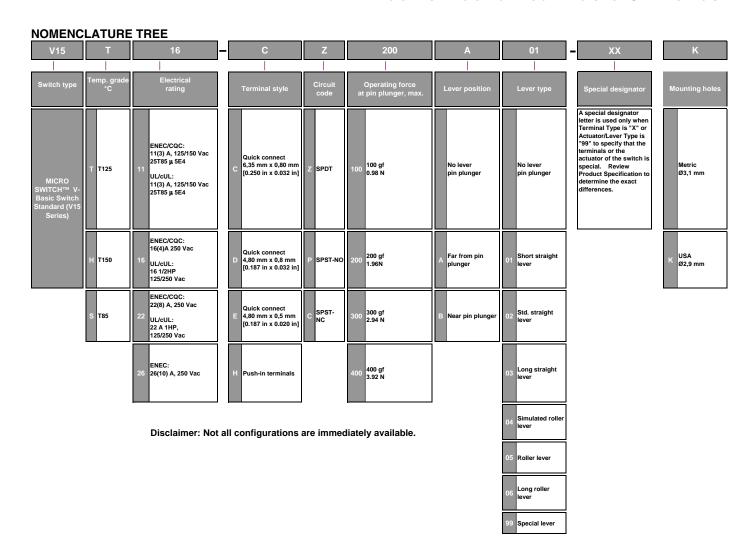


MICRO SWITCH™ V-Basic Switch Standard V15 Series

STANDARD LEVER OPTIONS



Electromechanical Basic Switches



ORDER GUIDE

The MICRO SWITCH™ V-Basic Switch Standard, V15 Series, provides 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.

MICRO SWITCH™ V-Basic Switch Standard V15 Series

This Honeywell datasheet supports the following MICRO SWITCH™ V15 V-Basic Standard Basic Switch Listings

		I	1	
V15H16-CP100	V15H16-CZ400B02	V15H22-CZ100A02-K	V15T16-CC200	V15T16-DZ100A04
V15H16-CP100A02	V15H16-CZ400B02-K	V15H22-CZ100A03	V15T16-CC200-K	V15T16-DZ100A05
V15H16-CP100A02-K	V15H16-CZ400-K	V15H22-CZ100A03-K	V15T16-CC300A01-K	V15T16-DZ100A06
V15H16-CP200	V15H16-EP100	V15H22-CZ100A05	V15T16-CC300A05-K	V15T16-DZ200A02
V15H16-CP200B03	V15H16-EP100A05	V15H22-CZ100A05-K	V15T16-CC300-K	V15T16E2C300-70D-K
V15H16-CP200B03-K	V15H16-EP100A05-K	V15H22-CZ100A06	V15T16-CP100-01	V15T16-EC200
V15H16-CP400	V15H16-EP200	V15H22-CZ100A06-K	V15T16-CP100-K	V15T16-EC400-K
V15H16-CP400B04	V15H16-EP200B06	V15H22-CZ100-K	V15T16-CP200	V15T16-EP100-K
V15H16-CP400B04-K	V15H16-EP200B06-K	V15H22-CZ200B04-K	V15T16-CP200-K	V15T16-EP200-K
V15H16-CP400-K	V15H16-EP400	V15H22-CZ300A02-K	V15T16-CZ100A02	V15T16-EZ100-K
V15H16-CZ100	V15H16-EP400A03	V15H22-CZ300A03-K	V15T16-CZ100A02-K	V15T16-EZ200A01-K
V15H16-CZ100A02	V15H16-EP400A03-K	V15H22-CZ300A05-K	V15T16-CZ100A03	V15T16-EZ200A02-K
V15H16-CZ100A02-K	V15H16-EP400-K	V15H22-CZ300A06-K	V15T16-CZ100A03-K	V15T16-EZ200A03-K
V15H16-CZ100A03	V15H16-EZ100	V15H22-CZ300-K	V15T16-CZ100A05	V15T16-EZ200A04-K
V15H16-CZ100A03-K	V15H16-EZ100A01	V15H22-CZ400B06-K	V15T16-CZ100A05-K	V15T16-EZ200A05-K
V15H16-CZ100A05	V15H16-EZ100A01-K	V15H22-CZ400-K	V15T16-CZ100A06	V15T16-EZ200A06-K
V15H16-CZ100A05-K	V15H16-EZ200	V15S05-CZ100A05	V15T16-CZ100A06-K	V15T16-EZ200-K
V15H16-CZ100A06	V15H16-EZ200B02	V15S05-CZ100A05-01	V15T16-CZ100-K	V15T16-SZ200
V15H16-CZ100A06-K	V15H16-EZ200B02-K	V15S05-EZ100-01	V15T16-CZ200	V15T22-CC200
V15H16-CZ100-K	V15H16-EZ400	V15S05-EZ100A05	V15T16-CZ200-K	V15T22-CP100-K
V15H16-CZ200	V15H16-EZ400A01	V15S05-EZ100-K	V15T16-CZ300	V15T22-CP200-K
V15H16-CZ200B04	V15H16-EZ400A01-K	V15S05-EZ100-K01	V15T16-CZ300A02-K	V15T22-CZ100-K
V15H16-CZ200B04-K	V15H16-EZ400-K	V15S05-EZ200-01	V15T16-CZ300A03-K	V15T22-CZ200
V15H16-CZ300A02-K	V15H22-CP100A02-K	V15S11-HZ200	V15T16-CZ300A05-K	V15T22-CZ200-K
V15H16-CZ300A03-K	V15H22-CP200B03-K	V15T16-CC100A01	V15T16-CZ300A06-K	V15T22-EC200
V15H16-CZ300A05-K	V15H22-CP400B03-K	V15T16-CC100A01-K	V15T16-CZ300-K	V15T26-CC200-K
V15H16-CZ300A06-K	V15H22-CP400-K	V15T16-CC100A05	V15T16-CZ400	V15T26-CP200-K
V15H16-CZ300-K	V15H22-CZ100	V15T16-CC100A05-K	V15T16-DZ100A02	V15T26-CZ300-K
V15H16-CZ400	V15H22-CZ100A02	V15T16-CC100-K	V15T16-DZ100A03	

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:

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