

Honeywell Announces the V19 Series Basic Switch

Honeywell Sensing and Internet of Things announced a new addition to their MicroSwitch products today, the V19 basic switch for appliance customers. The V19 is focused on empowering White Goods designs with a balance between configurability and cost while still providing them a fully certified, reliable solution that is repeatable over the lifetime of the product.



NEW PART NUMBERS

Please consult the datasheet for the product nomenclature.

V19	S	05	-	C	2	Z	200	A	06	-	K
Switch Type	Temperature Grade	Electrical Rating		Terminal Type	Housing Type	Circuit Code	Operating Force (at pin plunger max)	Lever Position	Lever Type		Mounting Holes
V19 Series MICRO Switch	S -25°C to 85°C [-13°F to 185°F] T -25°C to 125°C [-13°F to 257°F]	05 5 GPA 125/250 Vac; 6 GPA 125/250 Vac; 1/10 HP 125/250 Vac 0.4 RA 125 Vdc; 0.3 RA 250 Vdc 10,000 cycles 16 16 GPA 125/250 Vac; 1/2 HP 125/250 Vac 0.6 RA 125 Vdc; 0.3 RA 250 Vdc 10,000 cycles		C Quick connect 6.30 mm x 0.80 mm (0.250 in x 0.032 in) E Quick connect 6.70 mm x 0.50 mm (0.187 in x 0.020 in) H RAST 5 6.30 mm x 0.80 mm (0.250 in x 0.032 in) N RAST 7 6.30 mm x 0.80 mm (0.250 in x 0.032 in) P Straight PCB terminal V RAST 2.5 terminal	Basic 2 Fully flat 3 RAST 2.5	Z SPDT P SPST-NO C SPST-NC	015 15 gf; 0.15 N 025 25 gf; 0.25 N 050 50 gf; 0.5 N 100 100 gf; 0.98 N 200 200 gf; 1.96 N 300 300 gf; 2.94 N 400 400 gf; 3.92 N	A Pin plunger, no lever Far from pin plunger B Near pin plunger	Plunger without lever 01 Short straight lever 02 Standard straight lever 03 Long straight lever 04 Simulated roller lever 05 Roller lever 06 Long roller lever		Metric Ø 3.1 mm K USA Ø 2.9 mm

* Temperature rating "S" is allowed only with electrical rating "05"
 * Temperature rating "T" is allowed only with electrical rating "16"
 * Terminal style "V" and housing type "3" are offered together, only allowed with electrical rating "05"
 * Operating forces 015, 025 and 050 are only allowed with electrical rating "05"
 * Operating forces 300 and 400 are only allowed with electrical rating "16"

ABOUT V19 BASIC SWITCH

The V19, Honeywell’s newest addition to the unsealed MICRO SWITCH family provides a cost-conscious switch solution to assist in hitting overall system-level cost and design goals in high volume applications. The V19 switch provides a fully certified, reliable, and repeatable solution over the lifetime of the product. RAST 2.5, 5, and 7 termination styles available for automated manufacturing requirements (white goods).

Value to Customers

- Competitive cross references available
- Snap-spring mechanism with more than 80 years of MICRO SWITCH service
- Certifications enable global design acceptance and cost savings in agency approvals
- Combined RAST 2.5 terminal and housing construction enables agency certification (UL94V-0 & IEC 60335-1) and material cost savings

Key Features

- 5A & 16A → electrical ratings for design flexibility in one industry standard package size
- >1M mechanical operations → globally certified for reliable, repeatable actuation for life
- UL/CSA, cUL, ENEC, CQC → Identical system designs for platform applications worldwide
- Cadmium-free contacts → RoHS3, REACH, and CalProp 65 compliant
- RAST 2.5 termination and housing → enables IDT termination for automated machinery builds on signal-level and control circuits

Potential Applications

- Presence Detection – Ensures door latching and safe operation
- Float Switch – On/off power to stop overflow conditions
- Flow Switch – Enables safe and efficient water usage
- Power Switch – Reliable system control for motors, pumps, and fans
- Operator Controls – Interface control for system auxiliary functions

REGIONS AFFECTED

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|--|---|
| <input checked="" type="checkbox"/> Asia Pacific (APAC) | <input checked="" type="checkbox"/> Latin America (LATAM) |
| <input checked="" type="checkbox"/> Europe, Middle East, Africa (EMEA) | <input checked="" type="checkbox"/> North America (NA) |
| <input checked="" type="checkbox"/> Greater China (GrCH) | |

LAUNCH SCHEDULE

- Internal and to Authorized Distributors: 05/15/2020
- Public: 05/30/2020

CONTACT INFORMATION

Honeywell is committed to providing you with a superior level of customer service. Please contact your Honeywell representative for additional information regarding this communication.

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WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. 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 that Honeywell, in its sole discretion, 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.**