



Honeywell

Product Range Guide

# **Limit Switches and Machine Safety**



# For innovation that's well apart, there's only Honeywell

With more than 50,000 products ranging from snap-action, limit, toggle, and pressure switches to position, speed, pressure, and airflow sensors, Honeywell has one of the broadest sensing and switching portfolios.

Honeywell sensor, switch, and control components are tailored to exact specifications for stronger performance, longer productivity, and increased safety. Enhanced accuracy and durability are built into every part, improving output and endurance. For our customers, this can reduce expenditures and operational costs. Our global footprint and channels help to competitively price such components for your chosen application and provide immediate technical support.

While Honeywell's switch and sensor solutions are suitable for a wide array of basic and complex applications, our custom-engineered solutions offer enhanced precision, repeatability, and ruggedness. We offer domain knowledge and technology resources, along with a close working relationship, to develop and deliver cost-effective, individually tailored solutions. Whether clean-slate development or simple modifications to an existing design are needed, our expertly engineered solutions help to meet the most stringent requirements with world-class product designs, technology integration, and customer-specific manufacturing.

Global service, sourcing, and manufacturing. Industry-leading engineers. Value-added assemblies and solutions. A one-stop, full-service, globally competitive supplier.



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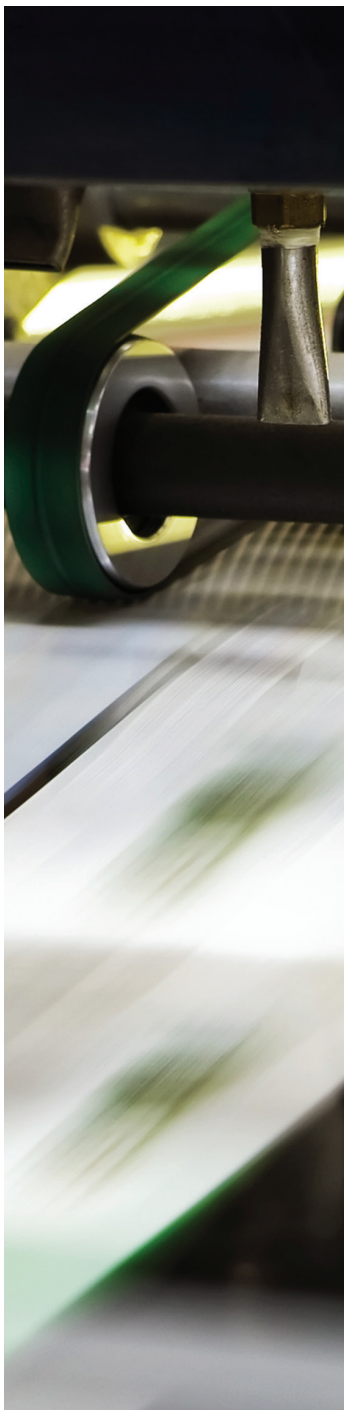


# MICRO SWITCH Limit Switches | Heavy-Duty Limit Switches

Offer a rugged, die-cast body with multiple mounting and actuator options. Low- and high-temp construction and factory-sealed, pre-wired versions available. Potential applications include food and beverage, construction and agriculture equipment, material handling, rail, industrial valves, chemical and food processing, shipboard, caustic waste handling, and power generation.



| HDLS Series                              | Standard                                                                                                                                                                                                                                                                                                                                                                               | 316L Stainless Steel                                                                                                                                                                                                                                 | Fully Potted, Epoxy Sealed                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Housing type</b>                      | HDLS plug-in and non-plug-in                                                                                                                                                                                                                                                                                                                                                           | 316L stainless steel non plug-in                                                                                                                                                                                                                     | sealed HDLS body                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Sealing</b>                           | IP65/66/67; NEMA 1, 3, 4, 4X, 6, 6P, 12, 13                                                                                                                                                                                                                                                                                                                                            | IP65/66/67; NEMA 1, 3, 3R, 4, 4X, 6, 6P, 12, 13                                                                                                                                                                                                      | IP65/66/67; NEMA 1, 3, 4, 6, 6P, 12, 13                                                                                                                                                                                                                                                                                                                                                |
| <b>Temperature range (standard)</b>      | -12 °C to 121 °C [10 °F to 250 °F]                                                                                                                                                                                                                                                                                                                                                     | -12 °C to 121 °C [10 °F to 250 °F]                                                                                                                                                                                                                   | -12 °C to 121 °C [10 °F to 250 °F]                                                                                                                                                                                                                                                                                                                                                     |
| <b>Low temperature range (optional)</b>  | -40 °C to 121 °C [-40 °F to 250 °F]                                                                                                                                                                                                                                                                                                                                                    | -40 °C to 121 °C [-40 °F to 250 °F]                                                                                                                                                                                                                  | -40 °C to 121 °C [-40 °F to 250 °F]                                                                                                                                                                                                                                                                                                                                                    |
| <b>Housing material</b>                  | zinc die-cast w/ epoxy coating                                                                                                                                                                                                                                                                                                                                                         | stainless steel                                                                                                                                                                                                                                      | zinc die-cast w/ epoxy coating                                                                                                                                                                                                                                                                                                                                                         |
| <b>Actuators/levers</b>                  | <ul style="list-style-type: none"> <li>• top pin plunger</li> <li>• top pin plunger, adjustable</li> <li>• top roller plunger</li> <li>• top rotary</li> <li>• side rotary</li> <li>• side rotary (maintained)</li> <li>• side pin plunger</li> <li>• side pin plunger, adjustable</li> <li>• side pin plunger, maintained</li> <li>• side roller plunger</li> <li>• wobble</li> </ul> | <ul style="list-style-type: none"> <li>• top pin plunger</li> <li>• top roller plunger</li> <li>• side rotary</li> <li>• side rotary (maintained)</li> <li>• side pin plunger</li> <li>• side roller plunger</li> </ul>                              | <ul style="list-style-type: none"> <li>• top pin plunger</li> <li>• top pin plunger, adjustable</li> <li>• top roller plunger</li> <li>• top rotary</li> <li>• side rotary</li> <li>• side rotary (maintained)</li> <li>• side pin plunger</li> <li>• side pin plunger, adjustable</li> <li>• side pin plunger, maintained</li> <li>• side roller plunger</li> <li>• wobble</li> </ul> |
| <b>Termination</b>                       | <ul style="list-style-type: none"> <li>• 0.5 in/0.75 in-14NPT conduit</li> <li>• 20 mm conduit</li> <li>• PG13.5</li> <li>• 6-ft and 12-ft cable</li> <li>• manifold</li> <li>• 4, 5, and 9-pin mini-connector</li> <li>• 4-pin micro-connector</li> </ul>                                                                                                                             | <ul style="list-style-type: none"> <li>• 0.5 in/0.75 in-14NPT conduit</li> <li>• 12-ft cable</li> </ul>                                                                                                                                              | <ul style="list-style-type: none"> <li>• cable (various lengths)</li> <li>• 4, 5, and 9-pin mini-connector</li> </ul>                                                                                                                                                                                                                                                                  |
| <b>Approvals</b>                         | UL, CE, CSA, CCC, EN60947-1, EN60947-5-1                                                                                                                                                                                                                                                                                                                                               | UL, CE, CSA, CCC, EN60947-1, EN60947-5-1                                                                                                                                                                                                             | UL, CE, CSA, CCC, EN60947-1, EN60947-5-1                                                                                                                                                                                                                                                                                                                                               |
| <b>Circuitry (double break contacts)</b> | <ul style="list-style-type: none"> <li>• 1NC 1NO SPDT, snap action</li> <li>• 1NC direct acting,</li> <li>• 2NC 2NO DPDT, snap action</li> <li>• 2NC 2NO DPDT sequential, snap action</li> <li>• 2NC 2NO DPDT center neutral, snap action</li> </ul>                                                                                                                                   | <ul style="list-style-type: none"> <li>• 1NC 1NO SPDT, snap action</li> <li>• 1NC direct acting,</li> <li>• 2NC 2NO DPDT, snap action</li> <li>• 2NC 2NO DPDT sequential, snap action</li> <li>• 2NC 2NO DPDT center neutral, snap action</li> </ul> | <ul style="list-style-type: none"> <li>• 1NC 1NO SPDT, snap action</li> <li>• 1NC direct acting,</li> <li>• 2NC 2NO DPDT, snap action</li> <li>• 2NC 2NO DPDT sequential, snap action</li> <li>• 2NC 2NO DPDT center neutral, snap action</li> </ul>                                                                                                                                   |
| <b>Contacts</b>                          | silver, gold                                                                                                                                                                                                                                                                                                                                                                           | silver, gold                                                                                                                                                                                                                                         | silver, gold                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Electrical rating</b>                 | 10 A (thermal) AC15, A600; DC13, R300                                                                                                                                                                                                                                                                                                                                                  | 10 A (thermal) AC15, A600; DC13, R300                                                                                                                                                                                                                | 10 A (thermal) AC15, A600; DC13, R300                                                                                                                                                                                                                                                                                                                                                  |
| <b>Measurements (H x W x D)</b>          | 106,7 mm x 41,1 mm x 44,4 mm [4.20 in x 1.62 in x 1.75 in]                                                                                                                                                                                                                                                                                                                             | 122,9 mm x 47,63 mm x 45,2 mm [4.84 in x 1.875 in x 1.78 in]                                                                                                                                                                                         | 106,7 mm x 41,1 mm x 44,4 mm [4.20 in x 1.62 in x 1.75 in]                                                                                                                                                                                                                                                                                                                             |
| <b>Features</b>                          | wide variety of actuators, circuitry options, and connectivity; rugged and dependable, models in service for over 40 years                                                                                                                                                                                                                                                             | series 316L 300 stainless steel housing suitable for corrosive environment and wash down food and beverage applications                                                                                                                              | construction guards against fluid penetration into switch body; suitable for harsh-duty applications                                                                                                                                                                                                                                                                                   |



# MICRO SWITCH Limit Switches | General-Purpose Limit Switches

Meet IEC standards for world-wide acceptance – often used in injection molding, PLC interface, machine tooling, escalators, packaging, food and beverage, industrial, lifts and elevators, electronic assembly, construction and agriculture equipment, material handling, and rail.



| Series                               | GLA                                                                                                                                                                                                                   | GLC                                                                                                                                                             |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing type                         | EN 50041                                                                                                                                                                                                              | EN 50047                                                                                                                                                        |
| Sealing                              | IP67; NEMA 1, 3, 4, 12, 13                                                                                                                                                                                            | IP66/IP67; NEMA 1, 4, 12, 13                                                                                                                                    |
| Temperature range                    | -25 °C to 85 °C [-13 °F to 185 °F]<br>side rotary: -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                                 | -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                              |
| Housing material                     | zinc die-cast, epoxy coated                                                                                                                                                                                           | zinc die-cast, epoxy coated                                                                                                                                     |
| Actuators/levers                     | side rotary, top pin plunger, top roller lever, top roller plunger, wobble                                                                                                                                            | side rotary, top pin plunger, top roller lever, top roller plunger, wobble                                                                                      |
| Termination                          | conduit: 0.5 in - 14NPT, 20 mm, PG13.5                                                                                                                                                                                | conduit: 0.5 in - 14NPT, 20 mm, PG13.5, Deutsch-style connector (4-pin)                                                                                         |
| Approvals                            | UL, CE, CSA, CCC, IEC 947-5-1, EN60947-5-1, UL508                                                                                                                                                                     | UL, CE, CSA, CCC, IEC 947-5-1, EN60947-5-1, UL508                                                                                                               |
| Circuitry<br>(double break contacts) | <ul style="list-style-type: none"> <li>• SPDT snap action</li> <li>• SPDT slow action, BBM/MBB</li> <li>• DPDT snap action</li> <li>• DPDT sequential</li> <li>• DPDT center neutral</li> <li>• 2NO or 2NC</li> </ul> | <ul style="list-style-type: none"> <li>• SPDT snap action</li> <li>• SPDT slow action, BBM/MBB</li> <li>• 2NC slow action</li> <li>• 2NO slow action</li> </ul> |
| Contacts                             | silver, gold                                                                                                                                                                                                          | silver, gold                                                                                                                                                    |
| Electrical rating                    | 10 A (thermal)<br>AC15, A600; DC13, Q300                                                                                                                                                                              | 10 A (thermal)<br>AC15, A300; DC13, Q300                                                                                                                        |
| Measurements<br>(H x W x D)          | 103 mm x 42,0 mm x 42,0 mm<br>[4.06 in x 1.65 in x 1.65 in]                                                                                                                                                           | 85,6 mm x 30,5 mm x 31,1 mm<br>[3.37 in x 1.20 in x 1.23 in]                                                                                                    |
| Features                             | positive-opening NC contacts ➡                                                                                                                                                                                        | positive-opening NC contacts ➡                                                                                                                                  |







| GLD                                                                                                                                                     | GLE                                                                                                                                                                                         | LS/LS-4                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| EN 50047                                                                                                                                                | EN 50047 compatible                                                                                                                                                                         | compact/non-plug-in, plug-in                                                                                                |
| IP66; NEMA 1, 4X (indoor), 12, 13                                                                                                                       | IP66; NEMA 1, 4, 12, 13                                                                                                                                                                     | NEMA 1, 3, 4, 6, 13                                                                                                         |
| -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                      | -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                                                          | -29 °C to 71 °C [-20 °F to 160 °F]<br>-29 °C to 120 °C [-20 °F to 298 °F] (optional)                                        |
| high-strength thermoplastic                                                                                                                             | zinc die-cast, epoxy coated                                                                                                                                                                 | zinc die-cast/aluminum die cast<br>epoxy coated                                                                             |
| side rotary, top pin plunger, top roller plunger, wobble                                                                                                | side rotary, top pin plunger, top roller plunger, wobble                                                                                                                                    | side rotary, side rotary (maintained), top pin plunger, top<br>roller plunger, side roller plunger, side roller, wobble     |
| conduit: 0.5 in - 14NPT, 20 mm, PG13.5, Deutsch-style<br>connector (4-pin)                                                                              | conduit: 0.5 in - 14NPT, 20 mm, PG13.5,<br>Deutsch-style connector (4-pin)                                                                                                                  | conduit: 0.5 in - 14NPT, 20 mm, PG13.5                                                                                      |
| UL, CE, CSA, CCC, IEC 60947-5-1,<br>EN60947-5-1, UL508, UL746-C                                                                                         | UL, CE, CSA, CCC, IEC 60947-5-1,<br>EN60947-5-1, UL508                                                                                                                                      | LS: UL, CSA (select listings)<br>LS-4: CE (select listings)                                                                 |
| <ul style="list-style-type: none"> <li>• 1NC 1NO SPDT snap action</li> <li>• 1NC 1NO SPDT slow action, BBM/MBB</li> <li>• 2NC</li> <li>• 2NO</li> </ul> | <ul style="list-style-type: none"> <li>• 1NC 1NO SPDT snap action</li> <li>• 1NC 1NO SPDT slow action, BBM/MBB</li> <li>• 2NC 2NO DPDT snap action</li> <li>• 2NC</li> <li>• 2NO</li> </ul> | SPDT double break, DPDT double break                                                                                        |
| silver, gold                                                                                                                                            | silver, gold                                                                                                                                                                                | silver                                                                                                                      |
| 10 A (thermal)<br>AC15, A300; DC13, Q300                                                                                                                | 10 A (thermal)<br>AC15, A300; DC13, Q300                                                                                                                                                    | LS: 10 A (125, 250 or 480 Vac)<br>LS-4: AC15, A300; DC13, P300                                                              |
| 84,05 mm x 30,5 mm x 32,6 mm<br>[3.31 in x 1.20 in x 1.28 in]                                                                                           | 85,9 mm x 65 mm x 31,1 mm<br>[3.38 in x 2.56 in x 1.23 in]                                                                                                                                  | 102,9 mm x 30,2 mm x 28,7 mm<br>[4.05 in x 1.19 in x 1.13 in]                                                               |
| positive-opening NC contacts ➡                                                                                                                          | positive-opening NC contacts ➡                                                                                                                                                              | mode of operation is field adjustable;<br>variety of operating characteristics; models in service for<br>more than 60 years |



# MICRO SWITCH Limit Switches | Miniature Limit Switches

Miniature switches  
- each with unique  
housing and operational  
characteristics. Designed  
for modern industrial  
OEMs, the miniature and  
compact package sizes  
fit in applications where  
space is limited. The  
mounting pattern meets  
most globally accepted  
mounting standards.



| Series                      | NGC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing type                | miniature, metal and plastic options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sealing                     | NEMA 1, 4, 12, 13; IP67 per IEC 60529<br>suitable for outdoor applications                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Temperature range           | -25 °C to 75 °C [ -13 °F to 167 °F]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Housing material            | metal and plastic housing options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Actuators/levers            | side rotary (standard & short), side rotary with adjustable length roller lever, reversed side rotary (standard & short), pin plunger (standard & long), roller plunger (standard & long), cross roller plunger (standard & long), pin plunger with boot seal, panel-mount pin plunger, panel-mount roller plunger, panel-mount cross roller plunger, panel-mount pin plunger with boot seal, top roller lever arm                                                                                                             |
| Termination                 | <ul style="list-style-type: none"> <li>• cable 0,75 mm<sup>2</sup> (18 AWG),</li> <li>• PUR cable 0,75 mm<sup>2</sup> (18 AWG),</li> <li>• special application cable, 4 &amp; 5 x 0,75 mm<sup>2</sup> (18 AWG) non-halogen,</li> <li>• connector, 4-pin male, M12 thread,</li> <li>• connector, 5-pin male, M12 thread,</li> <li>• cable 0,50 mm<sup>2</sup> (20 AWG)</li> <li>• PUR cable, 0,50 mm<sup>2</sup> (20 AWG)</li> <li>• special application cable, 8 &amp; 9 x 0,50 mm<sup>2</sup> (20 AWG) non-halogen</li> </ul> |
| Approvals                   | UL (UL508), cUL, CE (IEC 60947-5-1),<br>CCC (GB14048.5-2008)                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Circuitry                   | SPDT, DPDT; snap action contacts<br>(1NC/1NO, 2NC/2NO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Contacts                    | snap action, positive break<br>standard: silver alloy; gold: gold-plated                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Electrical rating           | various (refer to datasheet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Measurements<br>(H x W x D) | 55,8 mm x 30 mm x 16,7 mm<br>[2.2 in x 1.19 in x 0.66 in]                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Features                    | can be configured more than 380,000 ways, carries global approvals, and are sealed to IP67 for potential use in indoor and outdoor applications                                                                                                                                                                                                                                                                                                                                                                                |







| 14CE/914CE                                                                                                        | SZL-VL-S                                                                                                                               | SL1                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| miniature                                                                                                         | miniature                                                                                                                              | side mount                                                                                                                                   |
| IP65, IP66, IP67; IP68<br>NEMA 1, 3, 3R, 4, 6, 6P, 12 (boot seal), 13                                             | IP67                                                                                                                                   | IP67; NEMA 3, 4, 13                                                                                                                          |
| 0 °C to 70 °C [35 °F to 158 °F]<br>-40 °C [-40 °F] low temp (optional)                                            | -20°C to 70°C [-4°F to 158°F] (with no icing)                                                                                          | -10 °C to 70 °C [14 °F to 158 °F]                                                                                                            |
| zinc die-cast, epoxy coated                                                                                       | die-cast metal housing with glass-filled, flame-retardant thermoplastic cover; UL 94 flame spread testing: V-0 rated                   | zinc die-cast                                                                                                                                |
| side rotary, top pin plunger, top roller plunger, pushbutton, wobble, panel mount                                 | side rotary (positive-opening contacts), top pin plunger, top roller plunger, wobble, wobble cat whisker                               | top pin plunger, top roller plunger, top cross roller plunger, top roller lever                                                              |
| cable, micro-connector                                                                                            | conduit entry or cable gland                                                                                                           | cable gland<br>(cable diameter 5,8 mm to 9,6 mm)                                                                                             |
| 14CE: CE, IEC947-5-1, EN60947-5-1<br>914CE: UL, CE, CSA, IEC947-5-1, EN60947-5-1                                  | CCC, CE, cULus                                                                                                                         | UL, CSA                                                                                                                                      |
| SPDT                                                                                                              | 1NC 1NO SPDT                                                                                                                           | SPDT                                                                                                                                         |
| silver, gold                                                                                                      | silver alloy                                                                                                                           | silver, gold                                                                                                                                 |
| 5 A (thermal)<br>AC14, D300; DC13, R300                                                                           | AC-15 A300 (380 Vac/0.5 A)<br>DC-13 Q300 (220 Vdc/0.05 A)                                                                              | 5 A                                                                                                                                          |
| 49 mm x 40 mm x 16 mm<br>[1.93 in x 1.58 in x 0.63 in]                                                            | 64 mm x 28,5 mm x 25,7 mm<br>2.52 in x 1.12 in x 1.01 in                                                                               | 59,8 mm x 44,2 mm x 18 mm<br>[2.35 in x 1.74 in x 0.71 in]                                                                                   |
| rugged metal housing; miniature size; pre-leaded or various quick-connect terminations; low-temperature available | stainless steel levers with either steel and nylon rollers; variety of actuators; positive-opening contacts (side-rotary version only) | often ideal source for replacement parts for machine tools; rugged housing; snap-in terminal enclosures; standard and low temperature ranges |



# MICRO SWITCH Limit Switches | Compact Precision Limit Switches

Featuring a small-to-medium metal and plastic package sizes. Potential applications include material handling, printing, machine tools, agricultural equipment, cranes, packaging, earth moving, conveyors, surtran, textile, and printing.



| Series                   | E6                                                                                                                                                                                                     | V6                                                                                                                                                                                                     |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing type             | side mount                                                                                                                                                                                             | flange mount                                                                                                                                                                                           |
| Sealing                  | E6/V6-RQ: IP40; NEMA 1<br>E6/V6-RN: IP66; NEMA 1, 3, 4                                                                                                                                                 | E6/V6-RQ: IP40; NEMA 1<br>E6/V6-RN: IP66; NEMA 1, 3, 4                                                                                                                                                 |
| Temperature range        | -32 °C to 71 °C [-25 °F to 160 °F]<br>-40 °C [-40 °F] low temp (optional)                                                                                                                              | -32 °C to 71 °C [-25 °F to 160 °F]<br>-40 °C [-40 °F] low temp (optional)                                                                                                                              |
| Housing material         | zinc die-cast, epoxy coated                                                                                                                                                                            | zinc die-cast, epoxy coated                                                                                                                                                                            |
| Actuators/levers         | top pin plunger, maint. with reset plunger, wobble, top roller lever, top roller plunger, cross roller plunger, one-way roller lever                                                                   | top pin plunger, maint. with reset plunger, wobble, top roller lever, top roller plunger, cross roller plunger, one-way roller lever                                                                   |
| Termination              | 0.5 in - 14NPT (or NPSM) conduit, mini-connector, cable                                                                                                                                                | 0.5 in - 14NPT (or NPSM) conduit, mini-connector, cable                                                                                                                                                |
| Approvals                | UL, CSA, CE                                                                                                                                                                                            | UL, CSA, CE                                                                                                                                                                                            |
| Circuitry                | SPDT, DPDT                                                                                                                                                                                             | SPDT, DPDT                                                                                                                                                                                             |
| Contacts                 | silver, gold                                                                                                                                                                                           | silver, gold                                                                                                                                                                                           |
| Electrical rating        | 10 A, 15 A, 22 A @ 125, 250, or 480 Vac<br>EN 60947-5-1; IEC 60947-5-1; AC15, B300                                                                                                                     | 10 A, 15 A, 22 A @ 125, 250, or 480 Vac<br>EN 60947-5-1; IEC 60947-5-1; AC15, B300                                                                                                                     |
| Measurements (H x W x D) | 63,5 mm x 25,4 mm x 77,2 mm<br>[2.50 in x 1.00 in x 3.04 in]                                                                                                                                           | 63,5 mm x 25,4 mm x 77,2 mm<br>[2.50 in x 1.00 in x 3.04 in]                                                                                                                                           |
| Features                 | rugged electrostatic, epoxy-coated housing; booted versions sealed to IP66; unsealed actuators sealed to IP40; side or flange mount; low temperature options; models in service for more than 60 years | rugged electrostatic, epoxy-coated housing; booted versions sealed to IP66; unsealed actuators sealed to IP40; side or flange mount; low temperature options; models in service for more than 60 years |





## E7

side mount,

E7/V7-RQ: IP50  
E7/V7-RN or RQN: IP65

-30 °C to 70 °C [22 °F to 158 °F]

aluminum die-cast, epoxy coated

top pin plunger, top roller plunger, top roller lever, one-way roller lever, wobble, cross-roller plunger

20 mm, PG13.5  
single or double conduit

CE

SPDT, DPDT

silver

SPDT: AC15, A300; DC13, Q300  
DPDT: AC15, B300; DC13, R300

single conduit: 45,3 mm x 76,4 mm x 25,4 mm [1.79 in x 3.01 in x 1.00 in]  
double conduit: 45,2 mm x 84,6 mm x 25,4 mm [1.78 in x 3.33 in x 1.00 in]

compact, general-purpose limit switch for medium-duty indoor or outdoor applications



## V7

flange mount

E7/V7-RQ: IP50  
E7/V7-RN or RQN: IP65

-30 °C to 70 °C [22 °F to 158 °F]

aluminum die-cast, epoxy coated

top pin plunger, top roller plunger, top roller lever, one-way roller lever, wobble, cross-roller plunger

20 mm, PG13.5  
single or double conduit

CE

SPDT, DPDT

silver

SPDT: AC15, A300; DC13, Q300  
DPDT: AC15, B300; DC13, R300

single conduit: 45,3 mm x 76,4 mm x 25,4 mm [1.79 in x 3.01 in x 1.00 in]  
double conduit: 45,2 mm x 84,6 mm x 25,4 mm [1.78 in x 3.33 in x 1.00 in]

compact, general-purpose limit switch for medium-duty indoor or outdoor applications

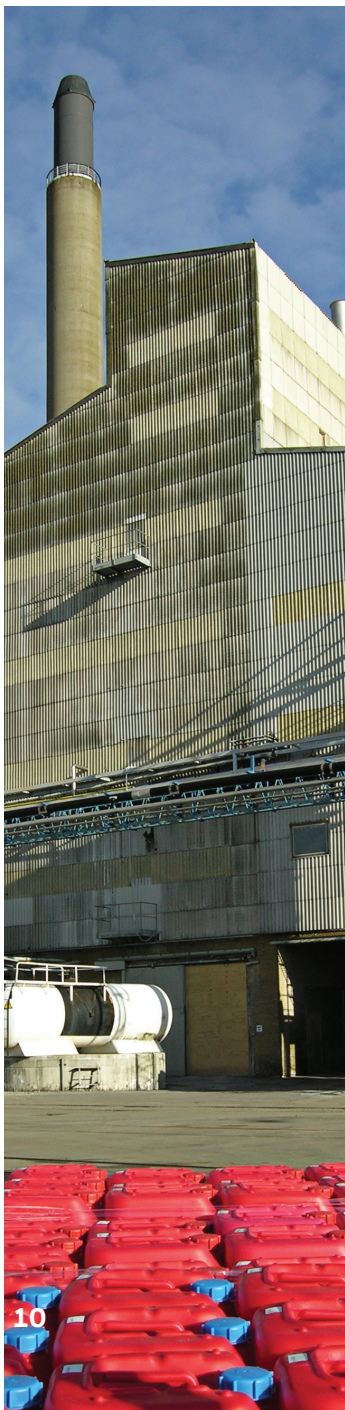


# MICRO SWITCH Hazardous Area Switches | Hazardous Area Switches

Designed to extinguish the flame path in a potentially explosive environment, MICRO SWITCH hazardous area switches are weatherproof, water-tight, and dust-tight. These highly reliable, rugged switches are often used in control valves, petrochemical, conveyors, grain elevators, and material handling.



| Series                                   | BX                                                                                                                                                                                                                                                                     | BX2                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Approvals</b>                         | BX (1/2 NPT or 3/4 NPT): UL, CSA, ATEX, IEC Ex, NEPSI (China)<br>BX (20 mm): ATEX, IEC Ex, NEPSI (China), EAC (Russia), IN METRO (Brasil)                                                                                                                              | BX2 (1/2 NPT, 3/4 NPT, 20 mm): UL, cUL, ATEX, IEC Ex, NEPSI (China), EAC (Russia), IN METRO (Brasil)                                                                                                                                                                                                                 |
| <b>Designations</b>                      | NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D<br>NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G<br>II 2 G Ex d IIC T6 Gb<br>II 2 D Ex tb IIIC T85°C Db                                                                                                                 | NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D<br>NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G<br>II 2 G Ex d IIC T6 Gb<br>II 2 D Ex tb IIIC T85°C Db                                                                                                                                                               |
| <b>Sealing</b>                           | P67; NEMA 1, 3, 4, 6, 13                                                                                                                                                                                                                                               | IP67; NEMA 1, 3, 4, 6, 13                                                                                                                                                                                                                                                                                            |
| <b>Housing material</b>                  | aluminum, epoxy coated                                                                                                                                                                                                                                                 | stainless steel                                                                                                                                                                                                                                                                                                      |
| <b>Actuators/levers</b>                  | side rotary, side rotary (maintained), side pin plunger, side pin plunger - adjustable, side roller plunger, top rotary, top pin plunger, top pin plunger - adjustable, top roller plunger, wobble                                                                     | side rotary, side rotary (maintained), side pin plunger, side roller plunger, top pin plunger, top roller plunger                                                                                                                                                                                                    |
| <b>Termination</b>                       | 0.5 in - 14NPT conduit, 0.75 in - 14NPT conduit, 20 mm conduit                                                                                                                                                                                                         | conduit: 0.5 in - 14NPT, 0.75 in - 14NPT, 20 mm                                                                                                                                                                                                                                                                      |
| <b>Circuitry (double break contacts)</b> | <ul style="list-style-type: none"> <li>1NC 1NO SPDT snap action</li> <li>2NC 2NO DPDT snap action</li> <li>2NC 2NO DPDT snap action, center neutral</li> <li>2NC 2NO DPDT snap action, sequential</li> </ul>                                                           | <ul style="list-style-type: none"> <li>1NC 1NO SPDT snap action</li> <li>2NC 2NO DPDT snap action</li> <li>2NC 2NO DPDT snap action, center neutral</li> <li>2NC 2NO DPDT snap action, sequential</li> </ul>                                                                                                         |
| <b>Operating temperature</b>             | -40 °C to 70 °C<br>[-40 °F to 158 °F]                                                                                                                                                                                                                                  | -40 °C to 70 °C<br>[-40 °F to 158 °F]                                                                                                                                                                                                                                                                                |
| <b>Electrical rating</b>                 | 10 A (thermal)<br>AC15, A600; DC13, R300                                                                                                                                                                                                                               | 10 A (thermal)<br>AC15, A600; DC13, R300                                                                                                                                                                                                                                                                             |
| <b>Measurements (H x W x D)</b>          | 146,1 mm x 76,2 mm x 72,9 mm]<br>[5.75 in x 3.00 in x 2.87 in]                                                                                                                                                                                                         | 146,1 mm x 76,2 mm x 72,9 mm]<br>[5.75 in x 3.00 in x 2.87 in]                                                                                                                                                                                                                                                       |
| <b>Features</b>                          | diverse conduit selection; compatible with LSX; tracking interchangeability with MICRO SWITCH HDLS; variety of heads and non-sparking actuators; 10 A thermal electrical rating; silver or gold contacts; ATEX-required external ground screw; global agency approvals | corrosion-resistant stainless steel housing; diverse conduit selection; tracking interchangeability with MICRO SWITCH LSX and BX series products; variety of heads and non-sparking actuators; 10 A thermal electrical rating; silver or gold contacts; ATEX-required external ground screw; global agency approvals |





## LSX

## GSX

## CLSX

UL, CSA

cULus, ATEX, IEC Ex, IN METRO (Brasil)

UL, CSA

NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D  
NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G

NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D  
NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G  
II 2 G; Ex d IIC T6  
II 2 D; Ex d tD A21 T85°C

NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D  
NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G

IP67; NEMA 1, 3, 4, 6, 13

IP67; NEMA 1, 4, 12, 13

NEMA 1, 3, 4, 13

aluminum, epoxy coated

aluminum, epoxy coated

aluminum, epoxy coated

side rotary, side rotary (maintained), side pin plunger, side pin plunger - adjustable, side roller plunger, top rotary, top pin plunger, top pin plunger - adjustable, top roller plunger, wobble

side rotary, top pin plunger, top roller plunger, top roller lever

cable/rope pull, maintained

0.5 in - 14NPT conduit, 0.75 in - 14NPT conduit

conduit: 0.5 in - 14NPT, 20 mm, PG13,5

conduit: 0.5 in - 14NPT, 0.75 in - 14NPT

- 1NC 1NO SPDT snap action
- 2NC 2NO DPDT snap action
- 2NC 2NO DPDT snap action, center neutral
- 2NC 2NO DPDT snap action, sequential

- 1NC 1NO snap action
- 2NC 2NO snap action
- 2NC slow action
- 2NO slow action
- 1NC 1NO BBM slow action
- 1NC 1NO MBB slow action
- 2NC 1NO BBM slow action
- 2NC 2NO BBM slow action
- 3NC 1NO BBM slow action
- 4NC slow action

- 1NC
- 1NC 1NO
- 2NC

-12 °C to 121 °C [10 °F to 250 °F]  
-40 °C to 121 °C [-40 °F to 250 °F] (optional)

-40 °C to 70 °C  
[-40 °F to 158 °F]

-1 °C to 70 °C  
[-30 °F to 158 °F]

10 A (thermal)  
AC15, A600; DC13, R300

10 A (thermal)  
AC15, A300/A600; DC13, Q300

10 A (thermal)  
AC15, A300/A600; DC13, Q300

146.1 mm x 76.2 mm x 72.9 mm  
[5.75 in x 3.00 in x 2.87 in]

154.2 mm x 76.2 mm x 72 mm  
[6.07 in x 3.00 in x 2.84 in]

158.24 mm x 76.2 mm x 73.2 mm  
[6.23 in x 3.00 in x 2.88 in]

10 A thermal electrical rating; variety of actuators and circuitry options; silver or gold contacts; field adjustable to meet various application needs

snap-action or slow-action contacts with positive break of NC contacts; simple installation; positive action push plunger; global agency approvals; silver or gold contacts



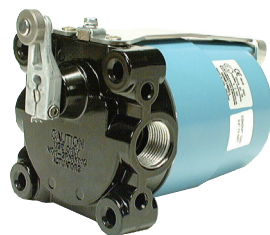
positive-opening operating of NC contacts; cable length may be 200 ft in straight line; internal grounding screw





# MICRO SWITCH Hazardous Area Switches | Hazardous Area Switches

Designed to extinguish the flame path in a potentially explosive environment, MICRO SWITCH hazardous area switches are weatherproof, water-tight, and dust-tight. These highly reliable, rugged switches are often used in control valves, petrochemical, conveyors, grain elevators, and material handling.



| Series                           | EX                                                                                                                                                                                                   | CX                                                                                                                                                                                                         |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals                        | UL, CSA, ATEX (CE), IEC Ex                                                                                                                                                                           | UL, CSA, ATEX (CE), IN METRO, IEC Ex (consult factory for applicable listings)                                                                                                                             |
| Designations                     | NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D (select catalog listings)<br>NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G<br>II 2 G; EEx d IIB + H2 T6                                               | NEMA 7, Div. 1 & 2, Class I, Groups B, C, & D (select catalog listings)<br>NEMA 9, Div. 1 & 2, Class II, Groups E, F, & G<br>II 2 G; Ex d IIC T6<br>II 2 D; Ex d tD A21 T85°C                              |
| Sealing                          | NEMA 1                                                                                                                                                                                               | IP66;<br>NEMA 1, 3, 4, 4X, 6, 6P, 13                                                                                                                                                                       |
| Housing material                 | aluminum, epoxy coated                                                                                                                                                                               | aluminum (epoxy coated), bronze                                                                                                                                                                            |
| Actuators/levers                 | side rotary, top pin plunger, top roller plunger, manual                                                                                                                                             | side rotary, pin plunger                                                                                                                                                                                   |
| Termination                      | 0.5 in - 14NPT conduit, lead wires                                                                                                                                                                   | 0.75 in - 14 NPT conduit,<br>25 mm conduit                                                                                                                                                                 |
| Circuitry                        | 1NC 1NO SPDT snap action;<br>1NC 1NO SPDT maintained;<br>2NC 2NO DPDT snap action                                                                                                                    | max. of 6NC/6NO<br>4 mA to 20 mA; analog output                                                                                                                                                            |
| Operating temperature (standard) | -40 °C to 71 °C [-40 °F to 160 °F]<br>-40 °C to 204 °C [-40 °F to 400 °F] optional EXHT catalog listing                                                                                              | -25 °C to 85 °C [-13 °F to 185 °F]<br>-40 °C to 85 °C [-40 °F to 185 °F] (optional)                                                                                                                        |
| Electrical rating                | 1 A, 10 A, 15 A, 20 A                                                                                                                                                                                | 1 A, 10 A, 15 A, 20 A                                                                                                                                                                                      |
| Measurements (H x W x D)         | 65,0 mm x 93,0 mm x 51,3 mm<br>[2.56 in x 3.66 in x 2.02 in]                                                                                                                                         | short cover: 101,6 mm x 101,6 mm x 104 mm [4.00 in x 4.00 in x 4.09 in]<br>standard cover: 101,6 mm x 101,6 mm x 145,0 mm [4.00 in x 4.00 in x 5.71 in]                                                    |
| Features                         | smallest metal housing intended for indoor applications; ample wiring space; mounts from any of four sides; used in temperature range of -40 °C to 71 °C [-40 °F to 160 °F]; global agency approvals | operate point field adjustable; low temp seals; available models for on/off position switching or continuous analog output sensing; single or double pole, double-throw available; global agency approvals |



| VPX                                                                                                                                                                                                                                                                                                 | GXA                                                                                                                                                      | GXE                                                                                                                 | 14CE100                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| cULus, ATEX, IEC Ex, CE                                                                                                                                                                                                                                                                             | ATEX (CE)                                                                                                                                                | ATEX (CE), IEC Ex<br>EN 50041 mounting compatible                                                                   | ATEX (CE)                                                                                                                    |
| <b>snap-action switches:</b><br>II 2 G, II 2 D (ATEX Rating)<br>Ex db IIC T6 Gb (Gas)<br>Ex tb IIIC T85°C Db (Dust)<br>Ta -40 °C to +50 °C (Switch Code 4A or 4B)<br>Ta -40 °C to +60 °C (Switch Code 2A or 2B)                                                                                     | <b>proximity switches:</b><br>II 1 G, II 1 D (ATEX Rating)<br>Ex ia IIC T4 Ga (Gas)<br>Ex ia IIIC T135°C Da (Dust)<br>Ta -40 °C to 80 °C                 | II 2 G; EEx d IIC T6<br>II 2 D; Ex tD A21 T85°C                                                                     | II 2 G; Ex d IIC T6<br>II 2 D; Ex tD A21 T85°C                                                                               |
| IP66 per IEC 60079-0;<br>IP67 per IEC 60529 (self-certified by Honeywell)<br>NEMA 4, 4X, 6, and 13 per UL 50E                                                                                                                                                                                       | IP66                                                                                                                                                     | IP66                                                                                                                | IP65<br>IP66 (select catalog listings)                                                                                       |
| aluminum with protective paint finish                                                                                                                                                                                                                                                               | zinc, epoxy coated                                                                                                                                       | zinc, epoxy coated                                                                                                  | zinc, epoxy coated                                                                                                           |
| indicator shafts: NAMUR, 1/4 in flats, Knurl                                                                                                                                                                                                                                                        | side rotary, top pin plunger, top roller plunger                                                                                                         | side rotary, top pin plunger, top roller plunger                                                                    | top pin plunger, top roller plunger, cross-roller plunger                                                                    |
| conduit: 1/2-14 NPT, 3/4-14 NPT, M20 x 1.5, M25 x 1.5                                                                                                                                                                                                                                               | 5 m of harmonised Cenelec cable (three conductor)                                                                                                        | 5 m of harmonised Cenelec cable (three conductor)                                                                   | harmonised Cenelec cable (various lengths)                                                                                   |
| –                                                                                                                                                                                                                                                                                                   | 1NC 1NO SPDT snap action                                                                                                                                 | 1NC 1NO SPDT snap action                                                                                            | 1NC 1NO SPDT snap action                                                                                                     |
| 4 EM switches: -40 °C to 50 °C [-40 °F to 122 °F]<br>2 EM switches: -40 °C to 60 °C [-40 °F to 140 °F]<br>Proximity switches: -40 °C to 80 °C [-40 °F to 176 °F]                                                                                                                                    | -20 °C to 75 °C<br>[-4 °F to 167 °F]                                                                                                                     | -20 °C to 75 °C<br>[-4 °F to 167 °F]                                                                                | 0 °C to 70 °C<br>[32 °F to 158 °F]                                                                                           |
| <b>snap-action switches:</b><br>UL: 15 A 150 Vac<br>10 A 250 Vac<br>0.5 A 250 Vdc<br><br>CE: 16 A 250 Vac<br>0.5 A 250 Vdc                                                                                                                                                                          | <b>proximity switches:</b><br>switch element function:<br>NAMUR, NC<br>Nominal voltage: 8.2 V<br>Current cons. (On) ≤ 1 mA<br>Current cons. (Off) ≥ 3 mA | AC15, 4 A, 250 V;<br>DC13, 0.15 A, 250 V                                                                            | AC15, 4 A, 250 V;<br>DC13, 0.15 A, 250 V                                                                                     |
| AC14, 0.15 A, 250 V;<br>DC13, 0.15 A, 250 V                                                                                                                                                                                                                                                         | AC14, D300; DC13, R300                                                                                                                                   |                                                                                                                     |                                                                                                                              |
| 152,3 mm H x 140 mm W x 140 mm D<br>[6.0 in H x 5.5 in W x 5.5 in D] ref.                                                                                                                                                                                                                           | 103 mm x 42,0 mm x 42,0 mm<br>[4.06 in x 1.65 in x 1.65 in]                                                                                              | 85,9 mm x 65 mm x 30,0 mm<br>[3.38 in x 2.56 in x 1.18 in]                                                          | 49,0 mm x 40,0 mm x 16,0 mm<br>[1.93 in x 1.57 in x 0.63 in]                                                                 |
| valve position indicator; certified flame-proof, explosion-proof and intrinsically safe (optional); VPX with proximity switches carry an Intrinsically Safe (IS) rating; well suited for up to 500,000 actuation cycles; available in multiple indicator colors that is visible from all directions | EN 50041 mounting compatible; double-insulated switch element; snap-action basic switch; A-P and European approvals                                      | EN 50047 mounting compatible; double-insulated switch element; snap-action basic switch; A-P and European approvals | pre-wired versions; gang-mounting capability; cable length variations; simple two screw mounting; A-P and European approvals |



# Limitless™ Solutions | Wireless Limit Switches

New alternative enables designers to work without limitations of traditional tethered devices. Enables presence, absence, or position in applications where wired products are not feasible due to functionality and/or cost. Applications include door position, construction/ag machines, conveyors, cranes, grain diverters, lifts, material handling, presses, and valves.



| Series                                           | WLS                                                                                                                                                                                                                                                                       | WGLA                                                                                                                                                                                                                   |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing type                                     | EN 50041 and back-mounting                                                                                                                                                                                                                                                | EN 50041                                                                                                                                                                                                               |
| Housing material                                 | powder-coated phosphate epoxy finish, zinc die-cast                                                                                                                                                                                                                       | powder-coated, zinc die-cast                                                                                                                                                                                           |
| Radio                                            | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                                                                    | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                 |
| Signal range                                     | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                                                              | 1000 ft [305 m] in US/Canada                                                                                                                                                                                           |
| Sealing                                          | IP67/IP68; NEMA 1, 3, 4, 6, 6P, 12, 13                                                                                                                                                                                                                                    | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                |
| Actuators/<br>operating heads                    | over 15 side rotary actuators; pin/roller plunger, side/top rotary (with more than 15 levers), cat whisker, wobble stick, side shaft eyelet pull, maintained/momentary side plunger, and cable pull operating heads                                                       | side rotary, top pin plunger, top roller plunger, top roller lever                                                                                                                                                     |
| Antenna types                                    | direct or remote mounts, omni-directional                                                                                                                                                                                                                                 | direct or remote mounts, omni-directional                                                                                                                                                                              |
| Sensing target                                   | –                                                                                                                                                                                                                                                                         | –                                                                                                                                                                                                                      |
| Electrical connection                            | –                                                                                                                                                                                                                                                                         | –                                                                                                                                                                                                                      |
| Electromechanical switch                         | –                                                                                                                                                                                                                                                                         | –                                                                                                                                                                                                                      |
| Operating characteristics                        | –                                                                                                                                                                                                                                                                         | –                                                                                                                                                                                                                      |
| Measurements<br>(H x W x D)<br>(without antenna) | 106,68 mm x 41,15 mm x 44,45 mm<br>[4.20 in x 1.62 in x 1.75 in]                                                                                                                                                                                                          | 102,85 mm x 42 mm x 42 mm<br>[4.05 in x 1.65 in x 1.65 in]                                                                                                                                                             |
| Features                                         | operating head rotary tested in excess of 50 million cycles; diaphragm seal between head and body cavity; twin shaft seals protect head and internal components from corrosion and debris; reliable, flexible, and secure wireless transmission; FCC 15, IC, ACMA, & ETSI | reliable, flexible, and secure wireless transmission; EN 50041 die-cast metal enclosure; FCC 15, IC, ACMA, & ETSI; EMI immunity; full complement of operating heads and levers; direct or remote mount antenna options |



| WBX Hazardous Location Switch                                                                                                                                      | WLS Non-Contact Switch                                                                                                                                                                                                                 | WLS Single-Switch Adapter                                                                                                                                                                                                                  | WOI                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| II 1 GD, Ex ia IIC T4 Ga, Ex ia IIIC T135°C Da                                                                                                                     | EN 50041 and back-mounting                                                                                                                                                                                                             | EN 50041 mounting comp. & back-mtg                                                                                                                                                                                                         | screw mount                                                                                                                                                                                                                                                                                        |
| powder-coated phosphate epoxy finish, zinc die-cast                                                                                                                | zinc head and body are phosphate treated and epoxy finished; 30% glass-filled PBT plastic head                                                                                                                                         | zinc body is phosphate treated and epoxy filled; 30 % glass-filled PBT plastic head                                                                                                                                                        | powder-coated aluminum                                                                                                                                                                                                                                                                             |
| WPAN 802.15.4; 2.4 GHz                                                                                                                                             | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                                 | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                                     | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                                                                                             |
| 1000 ft [305 m] in US/Canada                                                                                                                                       | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                           | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                               | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                                                                                       |
| NEMA 1, 3, 4, 13; IP67 (self-certified)                                                                                                                            | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                                | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                                    | IP65                                                                                                                                                                                                                                                                                               |
| side rotary, top plunger, wobble stick; many side rotary lever options                                                                                             | –                                                                                                                                                                                                                                      | –                                                                                                                                                                                                                                          | pushbutton operators: 22 mm round flush momentary, 29 mm mushroom head momentary, 40 mm mushroom head maintained (push-pull); no operator option available for use with user supplied 22 mm operator and contact blocks                                                                            |
| direct or remote mounts, omni-directional                                                                                                                          | direct or remote mounts, omni-directional                                                                                                                                                                                              | direct or remote mounts, omni-directional                                                                                                                                                                                                  | direct or remote mounts, omni-directional                                                                                                                                                                                                                                                          |
| –                                                                                                                                                                  | top and side of head                                                                                                                                                                                                                   | –                                                                                                                                                                                                                                          | –                                                                                                                                                                                                                                                                                                  |
| –                                                                                                                                                                  | –                                                                                                                                                                                                                                      | 4-pin M12 micro-connector with three-pole, single keyway female receptacle cable grip with internal screw connector (maximum cable length 3 m [9.84 ft])                                                                                   | –                                                                                                                                                                                                                                                                                                  |
| –                                                                                                                                                                  | –                                                                                                                                                                                                                                      | SPDT (Form C) switch with low-energy contacts (i.e., gold) capable of reliably controlling a 3.6 Vdc @ 30 mA electrical load to ensure proper operation                                                                                    | –                                                                                                                                                                                                                                                                                                  |
| –                                                                                                                                                                  | operating point: 3,81 mm [0.15 in] min.; release point: 15,24 mm [0.60 in] max. with use of WMG1 magnet                                                                                                                                | –                                                                                                                                                                                                                                          | –                                                                                                                                                                                                                                                                                                  |
| 267,45 mm x 52,1 mm x 73,18 mm [10.54 in x 2.05 in x 2.88 in]                                                                                                      | 122,43 mm x 41,15 mm x 44,45 mm [4.82 in x 1.62 in x 1.75 in]                                                                                                                                                                          | 137,16 mm x 41,15 mm x 44,45 mm [5.40 in x 1.62 in x 1.75 in]                                                                                                                                                                              | 130 mm x 85 mm x 66 mm [5.1 in x 3.4 in x 2.6 in]                                                                                                                                                                                                                                                  |
| Provides an independent layer of protection for equipment, by giving an immediate indication that a remote mechanical device is not positioned or moving correctly | non-contact presence/absence detection of a variety of different magnet styles and magnetic actuators; reliable, flexible, and secure wireless transmission; EN 50041 die-cast metal enclosure; FCC 15, IC, ACMA, & ETSI; EMI immunity | converts almost any electromechanical switch with low-energy contacts (i.e., gold) into a wireless switch; reliable, flexible, and secure wireless transmission; EN 50041 die-cast metal enclosure; FCC 15, IC, ACMA, & ETSI; EMI immunity | enables operator indication (i.e. push button) from remote locations where wiring is too costly or not possible; flexibility for users to choose and install their desired operator type; i.e. 22 mm rotary switch, 22 mm key switch, etc.; ability to reconfigure and network multiple WOI inputs |

# Limitless™ Solutions | Wireless Monitors and Receivers

Provide a visual, audio, and output based on a signal received from a Limitless™ input. Wireless technology eliminates the need for communications cabling or power line installation, saving both time and money.

Applications include positioners, manual process valves, eye bath stations, emergency showers, tank level, steam traps, louvers, mining conveyor, and grain diverters.



| Series                                     | WPMM                                                                                                                                                                                                                                                                                                                     | WDRR                                                                                                                                                                                                                                                                                                                                                                           | WMPR                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Housing type                               | snap-in panel or screw mount design                                                                                                                                                                                                                                                                                      | din-rail or screw mount design                                                                                                                                                                                                                                                                                                                                                 | 35 mm din-rail bracket or through-hole mounting plate design, 3,5 mm [#8] machine screws                                                                                                                                                                                                                                                                                      |
| Housing material                           | LCP, VECTRA E130i                                                                                                                                                                                                                                                                                                        | flame retardant ABS (acrylonitrile butadiene styrene)                                                                                                                                                                                                                                                                                                                          | flame retardant ABS (acrylonitrile butadiene styrene)                                                                                                                                                                                                                                                                                                                         |
| Radio                                      | –                                                                                                                                                                                                                                                                                                                        | WPAN 802.15.4; 2.4 GHz                                                                                                                                                                                                                                                                                                                                                         | WPAN 802.15.4, 2.4 GHz                                                                                                                                                                                                                                                                                                                                                        |
| Signal range                               | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                                                                                                             | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                                                                                                                                                                   | 1000 ft [305 m] in US/Canada                                                                                                                                                                                                                                                                                                                                                  |
| Sealing                                    | IP67                                                                                                                                                                                                                                                                                                                     | IP20                                                                                                                                                                                                                                                                                                                                                                           | IP20                                                                                                                                                                                                                                                                                                                                                                          |
| Outputs                                    | NPN normally open current sinking;<br>PNP normally open current sourcing;<br>solid state relay                                                                                                                                                                                                                           | Selectable: NPN-type current sinking open collector or NPN-type "totem pole"; PNP-type current sourcing open collector or PNP-type "totem pole"                                                                                                                                                                                                                                | EtherNet/IP™ (ODVA - EtherNet/IP Conformance Tested™)                                                                                                                                                                                                                                                                                                                         |
| Antenna types                              | direct or remote mounts, omni-directional                                                                                                                                                                                                                                                                                | direct or remote mounts, omni-directional                                                                                                                                                                                                                                                                                                                                      | direct or remote mounts, omni-directional                                                                                                                                                                                                                                                                                                                                     |
| Supply voltage                             | 10 Vdc to 30 Vdc with reverse polarity protection                                                                                                                                                                                                                                                                        | 10 Vdc to 28 Vdc with reverse polarity protection                                                                                                                                                                                                                                                                                                                              | 10 Vdc to 30 Vdc                                                                                                                                                                                                                                                                                                                                                              |
| Supply current                             | 750 mA                                                                                                                                                                                                                                                                                                                   | 500 mA max.                                                                                                                                                                                                                                                                                                                                                                    | 500 mA max.                                                                                                                                                                                                                                                                                                                                                                   |
| Measurements (H x W x D) (without antenna) | 31,75 mm x 53,84 mm x 74,30 mm [1.250 in x 2.120 in x 2.925 in]                                                                                                                                                                                                                                                          | 88,9 mm x 152,4 mm x 45,8 mm [3.5 in x 6 in x 1.8 in]                                                                                                                                                                                                                                                                                                                          | 81,3 mm H x 160 mm W x 43,2 mm D [3.2 in H x 6.3 in W x 1.7 in D]                                                                                                                                                                                                                                                                                                             |
| Temperature range                          | -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                                                                                                                                                                                       | -20 °C to 70 °C [-4 °F to 158 °F]                                                                                                                                                                                                                                                                                                                                              | -20 °C to 70 °C [-4 °F to 158 °F]                                                                                                                                                                                                                                                                                                                                             |
| Features                                   | reliable, flexible, and secure wireless transmission; can potentially monitor up to 16 Limitless™ switches; field pairing function allows for rapid configuration (adding or subtracting switches); WPAN 802.15.4 2.4 GHz point-to-point; FCC 15, IC, ACMA, & ETSI; EMI immunity; direct or remote mount antenna options | selectable npn or pnp output; configurable normally open or normally closed output for up to 14 Limitless™ inputs; WPAN 802.15.4 2.4 GHz point-to-point; FCC 15, IC, ACMA, & ETSI; EMI immunity; LEDs indicate change of status, low battery, RF signal loss, pairing function, and diagnostic functions; eliminates issues with wire connection integrity on moving equipment | LCD's function buttons on the front panel allow the user to easily navigate through the menu to obtain status of the switch actuation state, sensor value, battery condition, RF signal loss, node pairing, node update rate, fault indications, etc.; Output is ODVA certified – EtherNet/IP Conformance Tested™; Indication for up to 14 Limitless™ digital or analog nodes |



# Specialty Limit Switches | Relialign™ Door Interlock Switches

Designed specifically for residential and commercial swing-door applications, including swing-door elevators, platform lifts, dumbwaiters, and lifts for the mobility impaired. Holds the door in place and prevents it from being opened when not desired. Design contributes to increase safety, reduce nuisance stoppages and call-backs, and simplified wiring and installation.



| Door Interlock           | Relialign™ RDI Series                                                                                                                                                                                                                        | Relialign™ CDI Series                                                                                                                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description              | door interlock for residential swing-style doors, elevators, and vertical lifts. available with metal housing                                                                                                                                | door interlock for commercial swing-style doors, elevators, and vertical lifts. available with metal housing                                                                                                                                                                       |
| Use                      | <b>In the USA:</b> residential swing door applications, specifically dumbwaiters, lifts for the mobility impaired, and swing-door elevators<br><b>In Canada:</b> residential swing door applications, specifically elevators and dumbwaiters | <b>In the USA:</b> swing door applications, specifically dumbwaiters, material lifts, lifts for the mobility impaired and private residence swing-door elevators<br><b>In Canada:</b> swing door applications, specifically dumbwaiters, material lifts, and residential elevators |
| Housing                  | metal (white and architectural bronze)                                                                                                                                                                                                       | metal (white)                                                                                                                                                                                                                                                                      |
| Approvals                | compliant to ASME A17.1 and UL 104                                                                                                                                                                                                           | compliant to ASME A17.1, ASME A18.1, cULus, and CAN/CSA B44                                                                                                                                                                                                                        |
| Voltage                  | 24 Vdc; 24 Vac                                                                                                                                                                                                                               | 24 Vac/Vdc, ±5 %                                                                                                                                                                                                                                                                   |
| Connection               | terminal strip or cat 5 available                                                                                                                                                                                                            | terminal strip or cat 5 available                                                                                                                                                                                                                                                  |
| Measurements (H x W x D) | 247,65 mm x 51,44 mm x 49,23 mm [9.75 in x 2.025 in x 1.938 in]                                                                                                                                                                              | 247,65 mm x 51,44 mm x 49,23 mm [9.75 in x 2.025 in x 1.938 in]                                                                                                                                                                                                                    |
| Features                 | two separate mechanisms to indicate door closure; metal key; internal solenoid control; no open or exposed contacts; configurable product platform                                                                                           | long life of 1 million operations minimum; exceeds commercial pull force standard of 675 pound pull force by 2X                                                                                                                                                                    |

# Machine Safety | MICRO SWITCH Safety Switches

From factory floor to assembly line, from packaging machinery to robot cells, Honeywell delivers reliability and safety in compact, cost-effective safety switches. Enhanced performance, extended productivity, and full-line flexibility. Most models are SIL 3 capable.



| Series                                                 | CPS/2CPS                                                                                                                                                                                                                                                 | GSX                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attributes                                             | single/dual head cable pull designed to provide emergency stop protection; often used for exposed conveyor and assembly lines                                                                                                                            | switch characteristics to EN50041, heavy-duty metal body, explosion-proof safety switch designed for hazardous area applications                                                                                                                                                                                          |
| Potential applications                                 | conveyor applications, perimeter guard                                                                                                                                                                                                                   | gates, doors, access panels, cages                                                                                                                                                                                                                                                                                        |
| Housing                                                | zinc, epoxy coated                                                                                                                                                                                                                                       | aluminum, epoxy coated                                                                                                                                                                                                                                                                                                    |
| Approvals                                              | UL, CSA, CE, SIL 3 capable                                                                                                                                                                                                                               | cULus, ATEX, IEC Ex, IN METRO (Brasil) SIL 3 capable                                                                                                                                                                                                                                                                      |
| Sealing                                                | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                                                  | IP67; NEMA 1, 4, 6, 12, 13                                                                                                                                                                                                                                                                                                |
| Contacts<br>(double break contacts, except FF and FFS) | <ul style="list-style-type: none"> <li>1NC 1NO</li> <li>2NC 2NO</li> <li>3NC 1NO</li> <li>4NC</li> </ul>                                                                                                                                                 | <ul style="list-style-type: none"> <li>1NC 1NO snap action</li> <li>1NC 1NO slow action BBM</li> <li>1NC 1NO slow action MBB</li> <li>2NC slow action</li> <li>2NC 2NO snap action</li> <li>4NC slow action</li> <li>2NC 1NO slow action BBM</li> <li>2NC 2NO slow action BBM</li> <li>3NC 1NO slow action BBM</li> </ul> |
| Differentiator                                         | rugged, sealed, large wiring cavity; indicators; wide temperature tolerance; longest span available (up to 500 feet/152 m on dual head 2CPS)                                                                                                             | hazardous location and positive-break safety switch with cULus, ATEX, IEC Ex, IN METRO approvals                                                                                                                                                                                                                          |
| Measurements (less levers) H x W x D                   | 1CPS: 178,2 mm x 99,1 mm x 65,3 mm<br>[6.8 in x 3.9 in x 2.57 in]<br>2CPS: 152,4 mm x 165,1 mm x 84,1 mm<br>[6.0 in x 6.5 in x 3.31 in]                                                                                                                  | 154,2 mm x 76,2 mm x 72 mm<br>[6.07 in x 3.00 in x 2.84 in]                                                                                                                                                                                                                                                               |
| Temperature                                            | -40 °C to 85 °C [-40 °F to 185 °F]                                                                                                                                                                                                                       | -40 °C to 70 °C [-40 °F to 158 °F]                                                                                                                                                                                                                                                                                        |
| Electrical rating                                      | 10 A (thermal); AC15, A300; DC13, Q300                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                           |
| Features                                               | optional hardware packs; heavy-duty terminals: gold contacts; positive opening of NC contacts (up to 4 contacts); LED status lights; positive opening NC contacts<br> | extensive switching and actuating options; designed so even welded contacts will open and machine will stop in emergency with positive opening NC contacts (direct mechanical linkage)<br>                                           |



| GSS                                                                                                                                                                                                                                                                                                                                                 | GSS Hinge                                                                                                                                                                        | 24CE/924CE                                                                                                                                                 | FF and FFS                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| EN50047 (metal or plastic), EN50041 (metal), designed to global standards                                                                                                                                                                                                                                                                           | EN50047 mounting compatible, metal or plastic housing for access door safety hinge applications                                                                                  | miniature, compact die-cast zinc housing construction with a wide variety of actuators, IEC945-5-1, EN60947-5-1                                            | non-contact safety switches either magnetically operated or by electronically coded magnets providing high degree of tamper-resistant, reliable operation |
| medium/large doors and apertures                                                                                                                                                                                                                                                                                                                    | medium/large doors                                                                                                                                                               | small doors and apertures                                                                                                                                  | small doors and apertures                                                                                                                                 |
| glass-filled polyester, zinc epoxy coated                                                                                                                                                                                                                                                                                                           | glass-filled polyester, zinc epoxy coated                                                                                                                                        | zinc, epoxy coated                                                                                                                                         | ABS resin-filled, stainless steel                                                                                                                         |
| UL, CSA, CE, SIL 3 capable                                                                                                                                                                                                                                                                                                                          | UL, CSA, CE, SIL 3 capable                                                                                                                                                       | 24CE: CE; 924CE: UL, CE, SIL 3 capable                                                                                                                     | UL, CE                                                                                                                                                    |
| metal: IP66; NEMA 1, 4, 12, 13<br>plastic: IP66/IP67; NEMA 1, 4 (indoor), 12, 13                                                                                                                                                                                                                                                                    | metal: IP66; NEMA 1, 4, 12, 13<br>plastic: IP66; NEMA 1, 4 (indoor), 12, 13                                                                                                      | IP66                                                                                                                                                       | IP67, NEMA 4                                                                                                                                              |
| silver, gold                                                                                                                                                                                                                                                                                                                                        | silver, gold                                                                                                                                                                     | silver                                                                                                                                                     | –                                                                                                                                                         |
| EN50041 <ul style="list-style-type: none"> <li>• 1NC 1NO snap action</li> <li>• 1NC 1NO slow action BBM</li> <li>• 1NC 1NO slow action MBB</li> <li>• 2NC slow action</li> <li>• 2NC 2NO snap action</li> <li>• 4NC slow action</li> <li>• 2NC 1NO slow action BBM</li> <li>• 2NC 2NO slow action BBM</li> <li>• 3NC 1NO slow action BBM</li> </ul> | EN50047 <ul style="list-style-type: none"> <li>• 1NC 1NO snap action</li> <li>• 1NC 1NO slow action BBM</li> <li>• 1NC 1NO slow action MBB</li> <li>• 2NC slow action</li> </ul> | <ul style="list-style-type: none"> <li>• 1NC slow action,</li> <li>• 1NC 1NO slow action BBM</li> <li>• 1NC 1NO slow action MBB</li> </ul>                 | 1 or 2 safety contacts. Select catalog listings offer an auxiliary contact                                                                                |
| highly visible red housing; snap action and slow action basic switches                                                                                                                                                                                                                                                                              | highly visible red housing; actuator head may be rotated in 90° increments                                                                                                       | smallest safety switch offering from Honeywell; tough and rugged switch, designed to operate in harsh operating environments                               | large actuation window from almost any angle (ranges ~6 mm to 20 mm); sealed, compact and rugged design                                                   |
| 83,0 mm x 30,5 mm x 30,0 mm<br>[3.27 in x 1.20 in x 1.18 in]                                                                                                                                                                                                                                                                                        | 83,0 mm x 30,5 mm x 30,0 mm<br>[3.27 in x 1.20 in x 1.18 in]                                                                                                                     | 49,0 mm x 40,0 mm x 16,0 mm<br>[1.93 in x 1.57 in x 0.63 in]                                                                                               | 87 mm x 24 mm x 19 mm<br>[3.43 in x 0.95 in x 0.75 in]                                                                                                    |
| -25 °C to 85 °C [-13 °F to 185 °F]<br>-40 °C to 85 °C [-40 °F to 185 °F] (side rotary operating heads)                                                                                                                                                                                                                                              | -25 °C to 85 °C [-13 °F to 185 °F]                                                                                                                                               | 0 °C to 70 °C [32 °F to 158 °F]<br>-40 °C to 70 °C [-40 °F to 158 °F] (optional)                                                                           | -10 °C to 55 °C [14 °F to 131 °F]                                                                                                                         |
|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                  | AC15, B300; DC13, R300                                                                                                                                     |                                                                                                                                                           |
| multiple contact options (up to 4 NC); full range of actuator heads and levers; reliable low energy switching; tested to 15 million operations; positive opening NC contacts                                                                                                                                                                        | low profile design; available with 3 actuator styles (left, center, right); multiple contact options; reliable low energy switching; positive opening NC contacts                | simple two screw mounting; available pre-wired with choice of cable lengths or connector fitted; side and bottom cable entry; positive opening NC contacts | guard status indication; small, easy to mount; either pre-wired or connector fitted; allows for door misalignment with door closed sensing                |
|                                                                                                                                                                                                                                                                   |                                                                                               |                                                                         |                                                                                                                                                           |



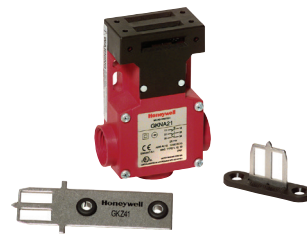
# Machine Safety | MICRO SWITCH Safety Switches

Designed to help pass any test with the most impressive safety switch portfolio and solutions for application-specific needs. Widest range of sizing, sealing alternatives, enclosure materials, actuator styles, and contact options available.



| Series                               | GKR/L                                                                                                                                                                                                                                                                                                                             | GK                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Attributes                           | heavy-duty metal body solenoid trapped key interlock switch designed not to release until hazard has been removed; for large doors/cages                                                                                                                                                                                          | heavy duty metal body keyed interlock switch designed for large doors and cages                                                                                                                                                                                                                                                             |
| Potential applications               | large, heavy door, cage and gate machine apps                                                                                                                                                                                                                                                                                     | large, heavy door cage and gate applications                                                                                                                                                                                                                                                                                                |
| Housing                              | zinc, epoxy coated                                                                                                                                                                                                                                                                                                                | zinc, epoxy coated                                                                                                                                                                                                                                                                                                                          |
| Approvals                            | UL, CSA, CE, SIL 3 capable                                                                                                                                                                                                                                                                                                        | UL, CSA, CE, SIL 3 capable                                                                                                                                                                                                                                                                                                                  |
| Sealing                              | IP68; NEMA 1, 4, 6P, 12, 13                                                                                                                                                                                                                                                                                                       | IP67; NEMA 1, 4, 12, 13                                                                                                                                                                                                                                                                                                                     |
| Contacts                             | silver, gold                                                                                                                                                                                                                                                                                                                      | silver, gold                                                                                                                                                                                                                                                                                                                                |
| Circuitry<br>(double break contacts) | <ul style="list-style-type: none"> <li>• 1NC 1NO slow action BBM</li> <li>• 2NC 1NO slow action BBM</li> <li>• 2NC 2NO slow action BBM</li> <li>• 3NC 1NO slow action BBM</li> <li>• 2NC slow action</li> <li>• 4NC slow action</li> <li>• 2NC 2NO snap action</li> </ul>                                                         | <ul style="list-style-type: none"> <li>• 1NC 1NO snap action</li> <li>• 2NC 2NO snap action</li> <li>• 1NC 1NO slow action BBM</li> <li>• 1NC 1NO slow action MBB</li> <li>• 2NC 1NO slow action BBM</li> <li>• 2NC 2NO slow action BBM</li> <li>• 3NC 1NO slow action BBM</li> <li>• 2NC slow action</li> <li>• 4NC slow action</li> </ul> |
| Differentiator                       | rugged design withstands vibration, harsh environments; provides long-term durability                                                                                                                                                                                                                                             | unique friction feature for key retention; rugged design withstands vibration, harsh environments, and provides long-term durability (tested 1.5 million cycles)                                                                                                                                                                            |
| Measurements (less levers) H x W x D | 160,0 mm x 110,0 mm x 48,8 mm<br>[6.3 in x 4.33 in x 1.92 in]                                                                                                                                                                                                                                                                     | 121,6 mm x 42 mm x 42,6 mm<br>[1.79 in x 1.652 in x 1.68 in]                                                                                                                                                                                                                                                                                |
| Temperature                          | -25 °C to 40 °C [-13 °F to 104 °F]                                                                                                                                                                                                                                                                                                | -25 °C to 85 °C [-13 °F to 185 °F]                                                                                                                                                                                                                                                                                                          |
| Electrical rating                    | AC15, A300; DC13, Q300                                                                                                                                                                                                                                                                                                            | AC15, A300/A600; DC13, Q300                                                                                                                                                                                                                                                                                                                 |
| Features                             | solenoid power-to-lock or power-to-unlock; key retain force 1000 N max; multiple key and lockout devices; dual LED indicator; available with key entry (4 face orientations); up to 4 contacts; manual override; positive opening NC contacts  | top or side entry lockout device options available; LED indicator; up to four contacts; positive opening NC contacts                                                                                                                                   |





## GKE

## GKM

## GKN

compact housing size, standard IEC 20 mm mounting

most compact key-operated safety product available; fully sealed construction

common footprint safety switch for multiple applicability; multiple contacts, multiple key and wiring entry points

small doors and apertures

small doors and apertures

small/medium doors and apertures

glass-filled polyester

glass-filled polyester

glass-filled polyester

cULus, CE, S-mark, SIL 3 capable

UL, CSA, CE, SIL 3 capable

cULus, CE, CCC, S-mark, SIL 3 capable

IP66/IP67; NEMA 1, 4X (indoor), 12, 13

IP67; NEMA 1, 12, 13

IP67; NEMA 1, 4X (indoor use only), 12, 13

silver

silver, gold

silver

- 1NC 1NO snap action
- 1NC 1NO slow action BBM
- 2NC slow action

- 1NC 1NO BBM
- 2NC

- 2NC 1NO slow action BBM
- 3NC slow action

small MIN-DIN footprint; simple wiring and mounting; double insulated

can be used for doors as small as 160 mm [6.3 in] with small closed radius; available cabled or with integrated M12 connectors for plug-and-play install

one switch stocking for multiple contact, key entry, and wiring application combinations; large wiring cavity

95,7 mm x 30,5 mm x 32,9 mm  
[3.77 in x 1.20 in x 1.30 in]

69,4 mm x 34,0 mm x 16,0 mm  
[2.73 in x 1.34 in x 0.63 in]

90,0 mm x 64,0 mm x 30,0 mm  
[3.55 in x 2.52 in x 1.18 in]

-25 °C to 85 °C [-13 °F to 185 °F]

-25 °C to 85 °C [-13 °F to 185 °F]

-25 °C to 70 °C [-13 °F to 158 °F]

AC15, A300/A600; DC13, Q300

AC15, A300; DC13, Q300

AC15, A600; DC13, Q300

medium duty switch covers most common 1NC/1NO and 2NC applications key entry from top and front

double insulated, no ground wiring required; wiring entrance options from bottom, side, or both (dual entry GKME for daisy chain capability); variety of keys available for top or front entry options; positive opening NC contact

multi-use, multi-option; up to 3 contacts for additional monitoring; 4 key head entries; knock-out points for wiring entry; double insulated body; rigid and flexible key options available



## 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 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.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is customer's sole responsibility 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 writing. However, Honeywell assumes no responsibility for its use.

## Find out more

To learn more about Honeywell's sensing and switch products, call **+1-815-235-6847**, email inquiries to **info.sc@honeywell.com**, or visit **sensing.honeywell.com**

## Honeywell Sensing and Internet of Things

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The Honeywell logo, consisting of the word "Honeywell" in a bold, red, sans-serif font.

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