

## MICRO SWITCH™ Solenoid Safety Interlock Switches

GKL/R Series

004789

Issue 1

Datasheet



### DESCRIPTION

MICRO SWITCH™ GKL/R Series switches are a heavy-duty key operated solenoid safety interlock switch incorporating a key trapping mechanism. The trapped key attached to the guard cannot be removed from the switch until the solenoid circuit of the switch has received a remote signal (from a control device) indicating the hazardous process has subsided. This design is for use on machinery where an instant stop is either impossible (due to the momentum of the machine) or impractical due to machine conditions (such as completing a machine cycle or reducing the temperature to a safe level). There are independent contacts inside the key switch which monitor the key position and the solenoid with a range of different contact arrangements to satisfy most application requirements. All normally closed contacts of the switch are positive opening ➡. The key switch also incorporates a manual override feature on the front cover which allows removal of the key for emergency access.

To facilitate installation, the switch is available as a GKL Series (head to the left) or a GKR Series (head to the right). The GKL/R Series switches are designed with dual-entry positions (side or top) for the key.

### VALUE TO CUSTOMERS

- Trapped actuator key cannot be removed from the switch until the hazardous condition has subsided
- Trapped key available as a mechanical latch or solenoid latch
- Heavy duty metal housing assembly resists shock, vibration, and oil/coolant sprays
- Side or top entry positions (8 positions) for key
- Multiple positive opening normally closed (NC) contacts and normally open (NO) contacts options
- Lockout device available, key cannot be inserted into switch

### FEATURES

- Electrostatic epoxy coated die-cast zinc housing
- Four different rugged stainless steel keys (two rigid and two flexible)
- 1NC/1NO, 2NC, 2NC/1NO, 2NC/2NO, 3NC/1NO, or 4NC contact options each for monitoring the key and the solenoid
- Positive opening normally closed contacts ➡ to EN/IEC 60947-5-1-3 specification
- Mechanical latch (solenoid power to unlock) or solenoid latch (de-energize solenoid to unlock)
- Wide range of supply voltages for solenoid
- Manual unlock feature on front cover
- Two LEDs in housing cover for monitoring the actuator key switch contacts and the solenoid switch contacts
- Different conduit options for global applications
- Operating temp. range: -25 °C to 85 °C [-13 °F to 185 °F]
- Switch body environmentally sealed to IP68 and NEMA 1, 4, 6P, 12, & 13
- CE, CSA, and UL agency certifications
- Designed and agency evaluated for safety functions up to and including a SIL3 level

### POTENTIAL APPLICATIONS

- Potential applications include gates, guards, and doors for:
  - Machine tools
  - Metalworking and punch press machinery
  - Plastic molding machines
  - Die cast machinery
  - Robotic cells
  - Special purpose machinery

### DIFFERENTIATION

- Up to four electrically independent contacts for each of the key and solenoid for monitoring the respective positions
- Gold contacts available for low energy applications
- Two LED indicators (green and red) to monitor status of key switch and solenoid switch
- Rugged stainless steel rigid and flexible keys
- Designed and evaluated up to and including a safety integrity level (SIL3) per IEC 61508-2:2010

### PORTFOLIO

Honeywell safety interlocking switches include the EN50041 metal body [GK Series](#), miniature plastic [GKM Series](#), EN50047 plastic body [GKE Series](#), and plastic body [GKN Series](#). Honeywell also offers non-interlocking safety switches ([GSS Series](#)), non-contact safety switches ([FF Series](#)) and cable/rope-pull safety switches ([1CPS & 2CPS Series](#)).

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 1. Specifications

| Characteristic                               | Parameter  |
|--|--|
| Description                                  | Dual-entry - solenoid safety interlock switch  |
| Certifications                               | CSA (C22.2 No.14, File57323), UL (UL508, File E37138), CE (IEC 60947-1, IEC 60947-5-1) |
| Housing material                             | Epoxy coated die-cast zinc   |
| Key (actuator) material                      | Stainless steel  |
| Key styles (4)                               | Straight key, 90° key, flexible key up-down, flexible key side-side                    |
| Insertion force (nominal)                    | 35 N [8 lb]  |
| Extraction force (nominal)                   | 28 N [6 lb]  |
| Solenoid locking force                       | 1000 N [224 lb] max.   |
| Solenoid voltages                            | 12 Vdc, 24 Vdc, 48 Vdc, 120 Vac, and 240 Vac   |
| Solenoid power (nominal)                     | 12 W   |
| Conduit/electrical connection                | 0.5 – 14 NPT, 20 mm, PG13,5 threaded conduit; 10-pin “Mini” style connector            |
| Contact/switch options* for key and solenoid | 1NC/1NO, 2 NC, 2NC/2NO, 3NC/1NO, 4NC   |
| Contact design                               | Double break, electrically separated   |
| Contact material                             | Silver alloy (standard); gold-plated silver alloy (low energy applications)            |
| Utilization category                         | AC15, A300; DC13 Q300  |
| Rated operational voltage (Ue)               | 240 Vac, 250 Vdc   |
| Rated operational current (Ie)               | 3 A, 0.27 A  |
| Thermal current (Ith)                        | 10 A   |
| Rated insulation voltage (Ui)                | 600 V  |
| Rated impulse withstand voltage (Uimp)       | 2500 V   |
| Short circuit protective device (SCPD)       | Class J fuse (10 A)  |
| Conditional short-circuit current            | 1000 A   |
| Pollution degree                             | 3  |
| Environmental sealing                        | IP68; NEMA 1, 4, 6P, 12, & 13  |
| Operating temperature                        | -25 °C to 40 °C [-13 °F to 104 °F]   |
| Shock  | 50 G per IEC 60068-2-27  |
| Vibration                                    | 10 G per IEC 60068-2-6   |
| MCTF (Mechanical life)                       | >2,500,000 cycles with single-sided confidence limit of 95 %                           |
| MCTF (Electrical life)                       | >60,000 cycles   |
| SIL capability                               | Up to and including SIL3 (HFT1), IEC 61508-2:2010                                      |
| Proof test interval                          | 1 year   |
| LED pilot lights (2)                         | One green LED and one red LED to monitor contact positions                             |

\*All normally closed (NC) contacts are positive opening .

Table 2. Electrical Rating

| ac    |      |           |       | dc    |      |           |       | gold-plated contacts |
|-------|------|-----------|-------|-------|------|-----------|-------|----------------------|
| A300  | AC15 | VA Rating |       | Q300  | DC13 | VA Rating |       |                      |
| Ue    | Ie   | VA Rating |       | Ue    | Ie   | VA Rating |       | 1 V 10 µA min.       |
| Volts | Amps | Make      | Break | Volts | Amps | Make      | Break | 50 V 100 mA max.     |
| 120   | 6    | 7200      | 720   | 24    | 2.8  | 69        | 69    |                      |
| 240   | 3    | 7200      | 720   | 125   | 0.55 | 69        | 69    |                      |
|       |      |           |       | 250   | 0.27 | 69        | 69    |                      |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Figure 1. Product Nomenclature

| <b>GK</b><br>Switch Type                          | <b>L</b><br>Body/<br>Indicator            | <b>A</b><br>Conduit            | <b>2</b><br>Circuitry                    | <b>L</b><br>Head                         | <b>6</b><br>Key*                | <b>A</b><br>Type/<br>Over-ride    | <b>1</b><br>Solenoid<br>Voltage                           |                  |
|---|---|--------------------------------|--|--|---------------------------------|-----------------------------------|---|------------------|
| <b>GK Series Solenoid Safety Interlock Switch</b> | <b>L</b> Head to left with indicators     | <b>A</b> 1/2 NPT, Viton seals  | <b>2</b> DPDT 2 snap action              | <b>30</b> 4NC, gold 2 slow acting        | <b>L</b> Opening to front & top | <b>6</b> Straight                 | <b>A</b> Solenoid unlock with screwdriver, slot over-ride | <b>1</b> 12 Vdc  |
|   | <b>R</b> Head to right with indicators    | <b>B</b> PG 13.5, Viton seals  | <b>3</b> SPDT, BBM 2 slow acting         | <b>32</b> 2NC/1NO, BBM gold, 2 slow act. | <b>M</b> Opening to right & top | <b>7</b> 90 degree                | <b>B</b> Solenoid unlock without over-ride                | <b>2</b> 24 Vdc  |
|   | <b>F</b> Head to left without indicators  | <b>C</b> 20 mm, Viton seals    | <b>6</b> 2NC slow acting                 | <b>34</b> 2NC/2NO, BBM gold, 2 slow act. | <b>N</b> Opening to back & top  | <b>8</b> Up-down, spring loaded   | <b>S</b> Solenoid lock with screwdriver, slot over-ride   | <b>3</b> 48 Vdc  |
|   | <b>G</b> Head to right without indicators | <b>D</b> PF 1/2, Viton seals   | <b>10</b> 4NC slow acting                | <b>36</b> 3NC/1NO, BBM gold, 2 slow act. | <b>P</b> Opening to left & top  | <b>9</b> Side-side, spring loaded | <b>T</b> Solenoid lock without over-ride                  | <b>4</b> 120 Vac |
|   |   | <b>E</b> 1/2 NPT, Buna-N seals | <b>12</b> 2NC/1NO, BBM slow acting       | <b>40</b> 4NC 2 slow acting              |                                 | <b>X</b> No key                   |   | <b>6</b> 240 Vac |
|   |   | <b>F</b> PG 13.5, Buna-N seals | <b>14</b> 2NC/2NO, BBM slow acting       | <b>42</b> 2NC/1NO, BBM 2 slow acting     |                                 |                                   |   |                  |
|   |   | <b>G</b> 20 mm, Buna-N seals   | <b>15</b> 2NC/2NO, BBM gold, slow acting | <b>44</b> 2NC/2NO, BBM 2 slow acting     |                                 |                                   |   |                  |
|   |   | <b>H</b> PF 1/2, Buna-N seals  | <b>16</b> 3NC/1NO, BBM slow acting       | <b>46</b> 3NC/1NO, BBM 2 slow acting     |                                 |                                   |   |                  |

**Keys\* Listing**  
GKZ56  
GKZ57

**Key style**  
6 - straight  
7 - 90°

## Keys\* Listing

GKZ56  
GKZ57  
GKZ58  
GKZ59

## Key style

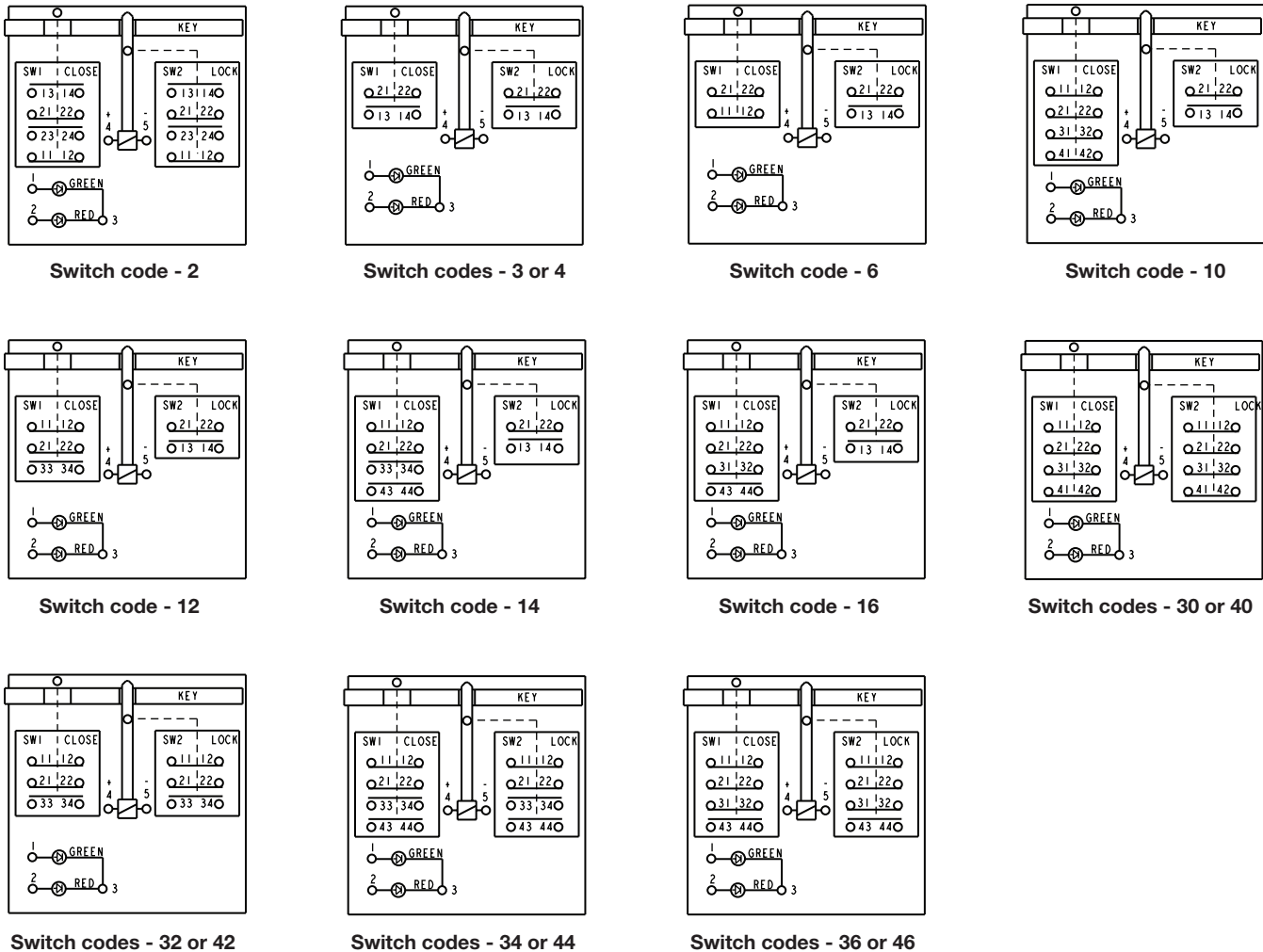
6 - straight  
7 - 90°  
8 - up/down  
9 - side/side

NOTE: not all combinations of model code are available.  
Please contact your Honeywell provider/representative for assistance.

\* A key actuator is required for each switch. It can be specified with each switch or ordered separately.

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Figure 2. Circuit Diagrams for Body/Indicator Codes L or R, A or B Type Over-ride Codes



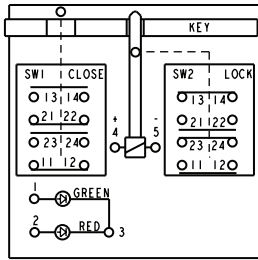
Body/Indicator Codes - L or R\*  
Type/Over-ride Codes - A or B\*  
Diagrams shown with key inserted and locked

NOTE: Integral terminal strip provides wiring points for LEDs and solenoid, as required.

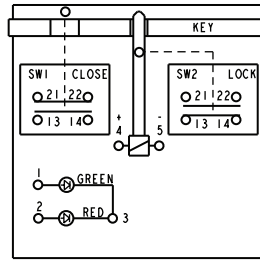
\* Reference nomenclature on page 3.

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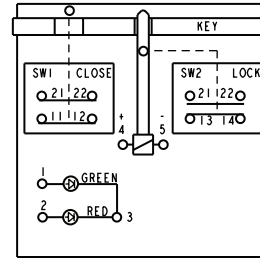
Figure 3. Circuit Diagrams for Body/Indicator Codes L or R, S or T Type Over-ride Codes



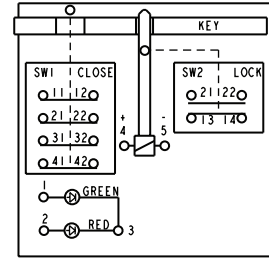
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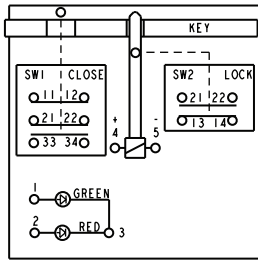
Switch codes - 3 or 4



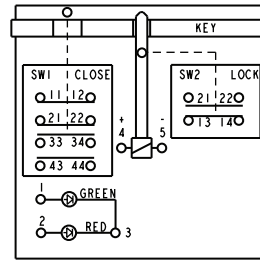
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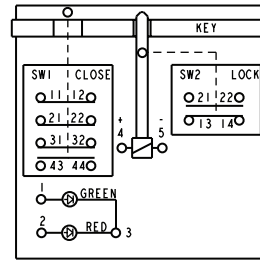
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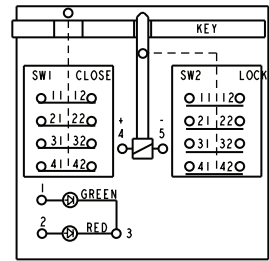
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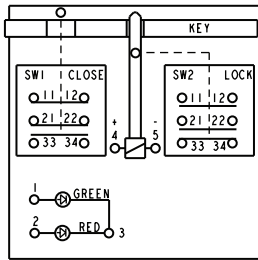
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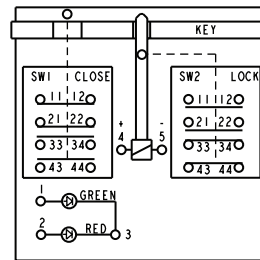
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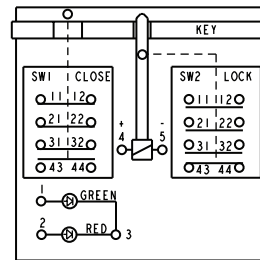
Switch codes - 30 or 40



Switch codes - 32 or 42



Switch codes - 34 or 44



Switch codes - 36 or 46

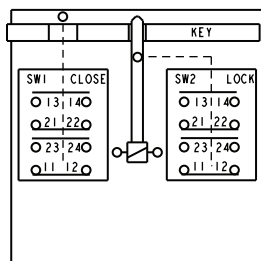
**Body/Indicator Codes - L or R\***  
**Type/Over-ride Codes - S or T\***  
**Diagrams shown with key inserted and locked**

NOTE: Integral terminal strip provides wiring points for LEDs and solenoid, as required.

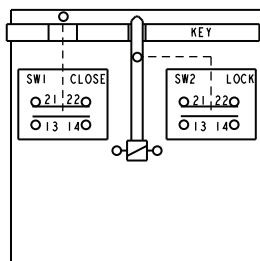
\* Reference nomenclature on page 3.

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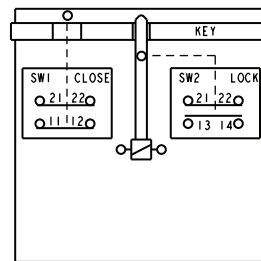
Figure 4. Circuit Diagrams for Body/Indicator Codes F or G, A or B Type Over-ride Codes



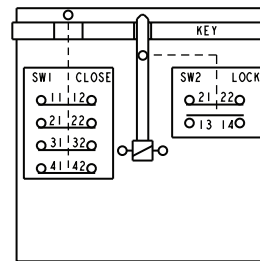
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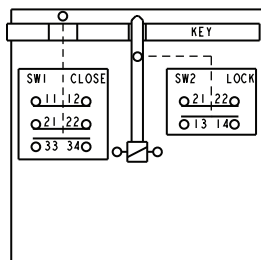
Switch codes - 3 or 4



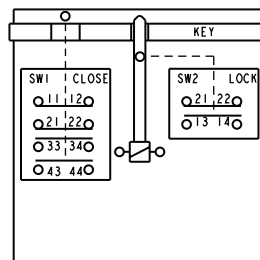
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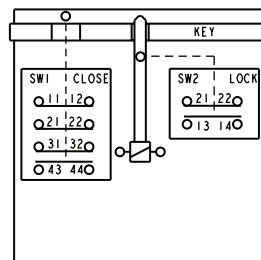
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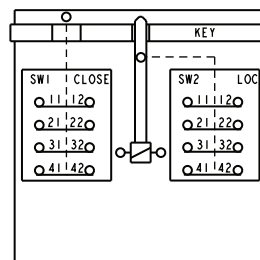
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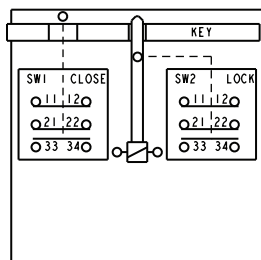
Switch code - 14



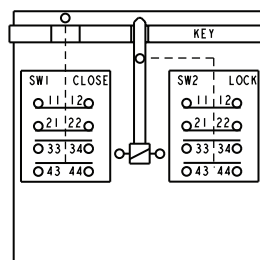
Switch code - 16



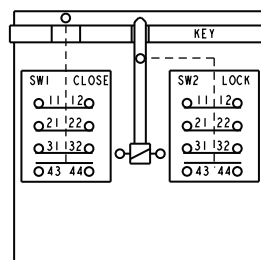
Switch codes - 30 or 40



Switch codes - 32 or 42



Switch codes - 34 or 44



Switch codes - 36 or 46

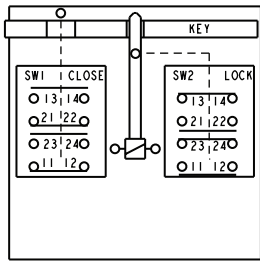
**Body/Indicator Codes - F or G\***  
**Type/Over-ride Codes - A or B\***  
**Diagrams shown with key inserted and locked**

NOTE: Integral terminal strip provides wiring points for LEDs and solenoid, as required.

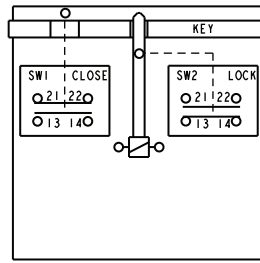
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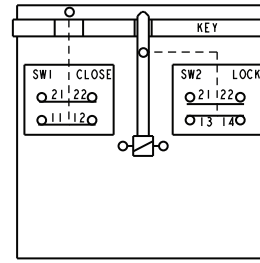
Figure 5. Circuit Diagrams for Body/Indicator Codes F or G, S or T Type Over-ride Codes



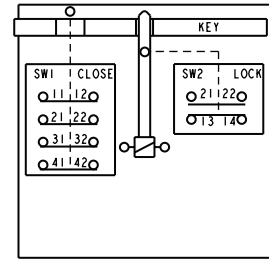
Switch code - 2



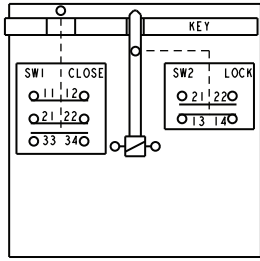
Switch codes - 3 or 4



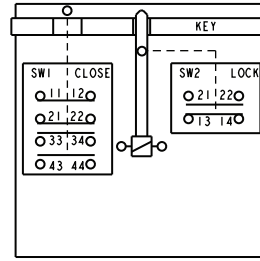
Switch code - 6



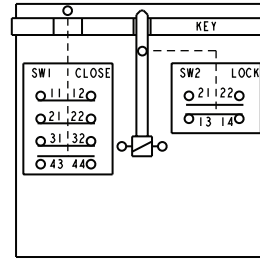
Switch code - 10



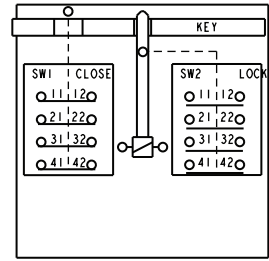
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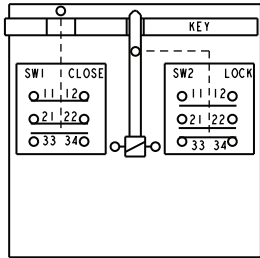
Switch code - 14



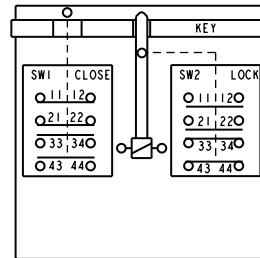
Switch code - 16



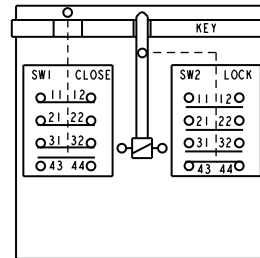
Switch codes - 30 or 40



Switch codes - 32 or 42



Switch codes - 34 or 44



Switch codes - 36 or 46

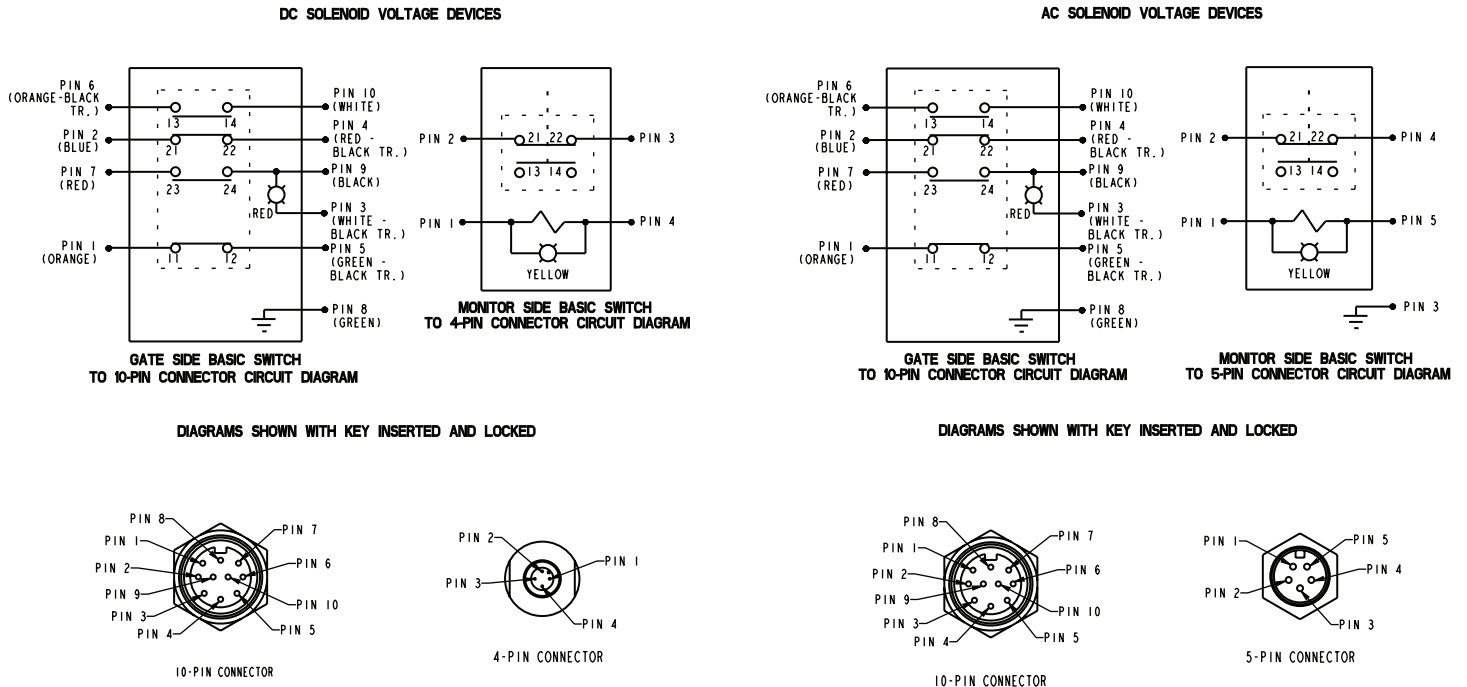
**Body/Indicator Codes - F or G\***  
**Type/Over-ride Codes - S or T\***  
**Diagrams shown with key inserted and locked**

NOTE: Integral terminal strip provides wiring points for LEDs and solenoid, as required.

\* Reference nomenclature on page 3.

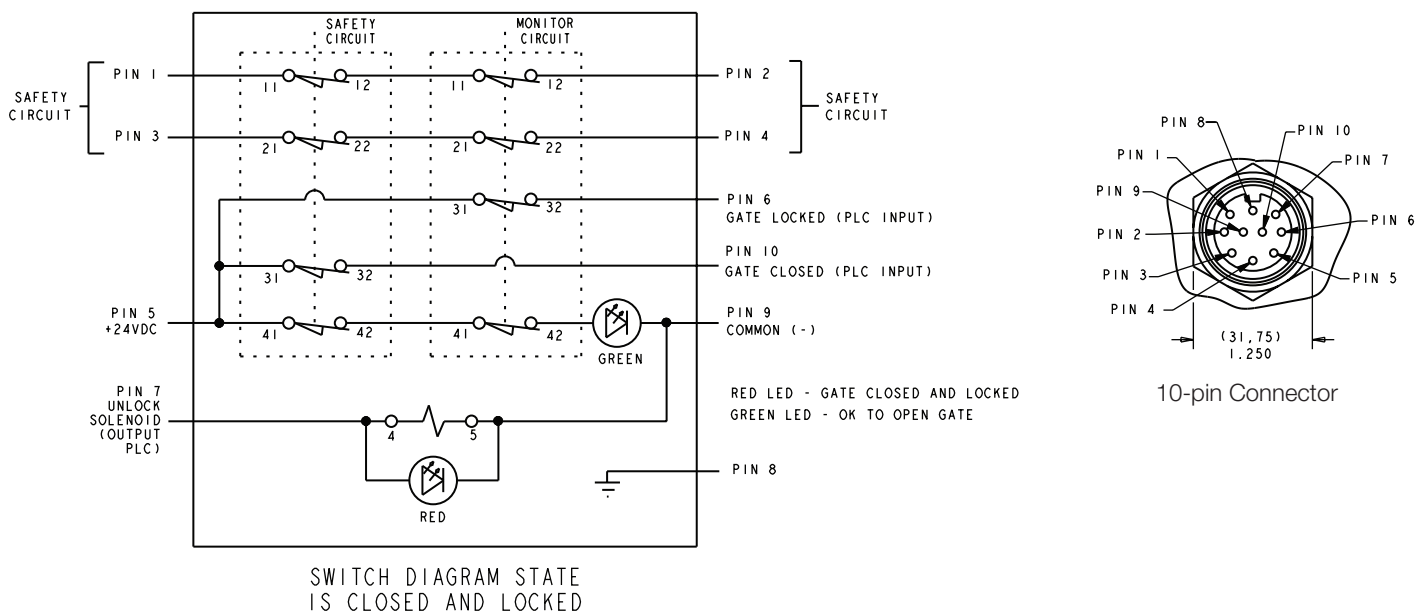
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Figure 6. 10-Pin Connector Circuit Diagram, Modification Code FW



Modification code: -FW

Figure 7. 10-Pin Connector Circuit Diagram, Modification Code F05

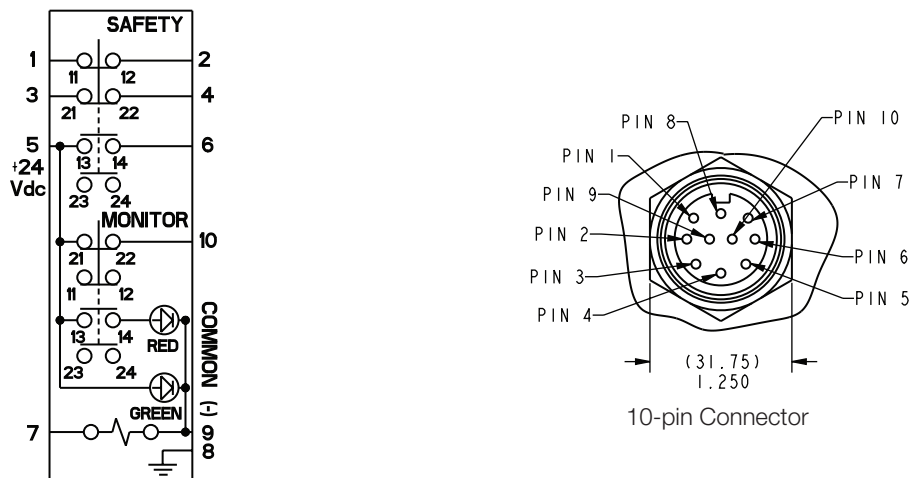


Modification Code: -F05



# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Figure 8. 10-Pin Connector Circuit Diagram, Modification Code F04



SWITCH DIAGRAM STATE  
IS CLOSED AND LOCKED

Modification code: -F04

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 3. GKL Safety Switch Order Guide

| Catalog Listing | Body Style (includes 2 LEDs unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride             | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|------------------------------------|------------------|-------------------------|
| GKLE3LXA2       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE3L6A2       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE3L6A4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE3L6S4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |
| GKLE3L7A2       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE3L7A4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE3L7S2       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLE3L9A4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE3L9S4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |
| GKLF3L7S6       | Head to left                              | PG 13,5    | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 240 Vac          | Nitrile seals           |
| GKLG3L6A2       | Head to left                              | 20 mm      | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE3PXA4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE3PXS2       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLG3PXS2       | Head to left                              | 20 mm      | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKFE3P7T4       | Head to left (no LED indicators)          | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | 90° key                  | Solenoid latch without over-ride   | 120 Vac          | Nitrile seals           |
| GKLA3P7S4       | Head to left                              | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | 90° key                  | Solenoid latch with over-ride      | 120 Vac          | Fluorocarbon seals      |
| GKLE6L7S2       | Head to left                              | 0.5-14 NPT | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLF6L7A2       | Head to left                              | PG 13,5    | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG6L6A2       | Head to left                              | 20 mm      | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKFE12L7B2      | Head to left (no LED indicators)          | 0.5-14 NPT | 2NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch without over-ride | 24 Vdc           | Nitrile seals           |
| GKFE12L7T2      | Head to left (no LED indicators)          | 0.5-14 NPT | 2NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch without over-ride   | 24 Vdc           | Nitrile seals           |
| GKFG14LXA2      | Head to left (no LED indicators)          | 20 mm      | 2NC/2NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLC14L6A2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Fluorocarbon seals      |
| GKLA2P9S2       | Head to left                              | 0.5-14 NPT | 2NC/2NO snap action                   | 2NC/2NO snap action                   | Silver alloy     | Left & Top                      | Spring-loaded, side-side | Solenoid latch with over-ride      | 24 Vdc           | Fluorocarbon seals      |
| GKLE44L6S4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 3. GKL Safety Switch Order Guide (continued)

| Catalog Listing | Body Style (includes 2 LEDs unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride             | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|------------------------------------|------------------|-------------------------|
| GKLE44L7A2      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE44L7A4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE44L7T4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch without over-ride   | 120 Vac          | Nitrile seals           |
| GKLE44L8A2      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE44L8A4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE44L9A2      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE44L9A4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLF44LXS2      | Head to left                              | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLF44L6A2      | Head to left                              | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLF44L7A2      | Head to left                              | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLF44L8A2      | Head to left                              | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLF44L9A2      | Head to left                              | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG44LXS2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLG44L6A2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG44L7A2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG44L8A2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG44L9A2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE44PXT2      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Solenoid latch without over-ride   | 24 Vdc           | Nitrile seals           |
| GKLE44P6A4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | Straight key             | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE44P7S4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | 90° key                  | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |
| GKLE44P7T4      | Head to left                              | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | 90° key                  | Solenoid latch without over-ride   | 120 Vac          | Nitrile seals           |
| GKLG44PXA2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG44PXB2      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | —                        | Mechanical latch without over-ride | 24 Vdc           | Nitrile seals           |
| GKLG44P6S4      | Head to left                              | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | Straight key             | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 3. GKL Safety Switch Order Guide (continued)

| Catalog Listing | Body Style (includes 2 LEDs unless noted)     | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride             | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|------------------------------------|------------------|-------------------------|
| GKFE16LXA2      | Head to left (no LED indicators)              | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKFE16LXA4      | Head to left (no LED indicators)              | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKFE16LXA6      | Head to left (no LED indicators)              | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 240 Vac          | Nitrile seals           |
| GKLG16L6A2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG16L6S2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLG16L7A2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG16L7S2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLE46LXA2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLA46L6A4      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 120 Vac          | Fluorocarbon seals      |
| GKLG46L6A2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE46L7A2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE46L7S4      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |
| GKLG46L7A2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLG46L7A6      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride    | 240 Vac          | Nitrile seals           |
| GKLG46L7S2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |
| GKLE46L9A2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE46L9A4      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLE46P7A4      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Left & Top                      | 90° key                  | Mechanical latch with over-ride    | 120 Vac          | Nitrile seals           |
| GKLF46PXB2      | Head to left                                  | PG 13,5    | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Left & Top                      | —                        | Mechanical latch without over-ride | 24 Vdc           | Nitrile seals           |
| GKLG46P6A2      | Head to left                                  | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Silver alloy     | Left & Top                      | Straight key             | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLA36LXA2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Front & Top                     | —                        | Mechanical latch with over-ride    | 24 Vdc           | Fluorocarbon seals      |
| GKLE36MXS4      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Right & Top                     | —                        | Solenoid latch with over-ride      | 120 Vac          | Nitrile seals           |
| GKLE36PXA2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Left & Top                      | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE36PXA2-F22  | Head to left, LEDs are not polarity sensitive | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Left & Top                      | —                        | Mechanical latch with over-ride    | 24 Vdc           | Nitrile seals           |
| GKLE36PXS2      | Head to left                                  | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Left & Top                      | —                        | Solenoid latch with over-ride      | 24 Vdc           | Nitrile seals           |

## MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 3. GKL Safety Switch Order Guide (continued)

| Catalog Listing | Body Style (includes 2 LEDS unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style    | Locking Type/Over-ride          | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------|---------------------------------|------------------|-------------------------|
| GKLG36PXA2      | Head to left                              | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Left & Top                      | —            | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKLG36PXS2      | Head to left                              | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action BBM               | Gold-plated      | Left & Top                      | —            | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKLE40LXA2      | Head to left                              | 0.5-14 NPT | 4NC slow action                       | 4NC slow action                       | Silver alloy     | Front & Top                     | —            | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKLE40LXA4      | Head to left                              | 0.5-14 NPT | 4NC slow action                       | 4NC slow action                       | Silver alloy     | Front & Top                     | —            | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKLA40L6A2      | Head to left                              | 0.5-14 NPT | 4NC slow action                       | 4NC slow action                       | Silver alloy     | Front & Top                     | Straight key | Mechanical latch with over-ride | 24 Vdc           | Fluorocarbon seals      |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 4. GKR Safety Switch Order Guide

| Catalog Listing | Body Style (includes 2 LEDs unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride          | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|------------------|-------------------------|
| GKRE3LXA2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRA3LXA2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Fluorocarbon seals      |
| GKRE3LXA4       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE3LXS4       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE3L6A2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE3L6A4       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE3L6S4       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE3L7A2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE3L7S2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRE3MXS2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | —                        | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRG3MXA2       | Head to right                             | 20 mm      | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG3MXS2       | Head to right                             | 20 mm      | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | —                        | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRE3M6S4       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | Straight key             | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE3M7A2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE3M9A2       | Head to right                             | 0.5-14 NPT | 1NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE6LXA4       | Head to right                             | 0.5-14 NPT | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE6L7A4       | Head to right                             | 0.5-14 NPT | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE6L7S2       | Head to right                             | 0.5-14 NPT | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRE6L7S4       | Head to right                             | 0.5-14 NPT | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRB6M7S6       | Head to right                             | PG 13,5    | 2NC slow action                       | 1NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | 90° key                  | Solenoid latch with over-ride   | 240 Vac          | Fluorocarbon seals      |
| GKRA2LXA4       | Head to right                             | 0.5-14 NPT | 2NC/2NO snap action                   | 2NC/2NO snap action                   | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Fluorocarbon seals      |
| GKRE44LXA2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE44LXA4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44L6A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRA44L6A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Fluorocarbon seals      |



# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 4. GKR Safety Switch Order Guide (continued)

| Catalog Listing | Body Style (includes 2 LEDs unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride          | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|------------------|-------------------------|
| GKRF44L6A2      | Head to right                             | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG44L6A2      | Head to right                             | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE44L6A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44L6S4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE44L7A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRA44L7A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Fluorocarbon seals      |
| GKRF44L7A2      | Head to right                             | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG44L7A2      | Head to right                             | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE44L7A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44L7S4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE44L8A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRF44L8A2      | Head to right                             | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG44L8A2      | Head to right                             | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE44L8A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, up-down   | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44L9A2      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRF44L9A2      | Head to right                             | PG 13,5    | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG44L9A2      | Head to right                             | 20 mm      | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE44L9A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44M7A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Right & Top                     | 90° key                  | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44P6A4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | Straight key             | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE44P6S4      | Head to right                             | 0.5-14 NPT | 2NC/2NO slow action, BBM              | 2NC/2NO slow action, BBM              | Silver alloy     | Left & Top                      | Straight key             | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRE16LXS4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Solenoid latch with over-ride   | 120 Vac          | Nitrile seals           |
| GKRF16L6A2      | Head to right                             | PG 13,5    | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG16L6A2      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG16L6S2      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRG16L7A2      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 4. GKR Safety Switch Order Guide (continued)

| Catalog Listing | Body Style (includes 2 LEDs unless noted) | Conduit    | Contacts, Switch 1 (key/gate monitor) | Contacts, Switch 2 (solenoid monitor) | Contact Material | Head Position (opening for key) | Key Style                | Locking Type/Over-ride          | Solenoid Voltage | Enclosure Seal Material |
|-----------------|---|------------|---------------------------------------|---------------------------------------|------------------|---------------------------------|--------------------------|---------------------------------|------------------|-------------------------|
| GKRG16L7S2      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | 90° key                  | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRG16L9A4      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 1NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE46LXA2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRA46LXA4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Fluorocarbon seals      |
| GKRA46L6A4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Straight key             | Mechanical latch with over-ride | 120 Vac          | Fluorocarbon seals      |
| GKRE46L9A2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Front & Top                     | Spring-loaded, side-side | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE46MXA4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE46M6A4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | Straight key             | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE46M7A4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Right & Top                     | 90° key                  | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE46P7A4      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Silver alloy     | Left & Top                      | 90° key                  | Mechanical latch with over-ride | 120 Vac          | Nitrile seals           |
| GKRE36MXA2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Gold-plated      | Right & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRG36MXA2      | Head to right                             | 20 mm      | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Gold-plated      | Right & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE36MXS2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Gold-plated      | Right & Top                     | —                        | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRE36PXA2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Gold-plated      | Left & Top                      | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRE36PXS2      | Head to right                             | 0.5-14 NPT | 3NC/1NO slow action, BBM              | 3NC/1NO slow action, BBM              | Gold-plated      | Left & Top                      | —                        | Solenoid latch with over-ride   | 24 Vdc           | Nitrile seals           |
| GKRE40LXA2      | Head to right                             | 0.5-14 NPT | 4NC slow action                       | 4NC slow action                       | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 24 Vdc           | Nitrile seals           |
| GKRA40LXA4      | Head to right                             | 0.5-14 NPT | 4NC slow action                       | 4NC slow action                       | Silver alloy     | Front & Top                     | —                        | Mechanical latch with over-ride | 120 Vac          | Fluorocarbon seals      |



# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 5. GKL/R Prewired Safety Switch Order Guide

| Catalog Listing  | Body Style<br>(includes 2 LEDs<br>unless noted) | Electrical<br>Connection                                 | Contacts,<br>Switch 1<br>(key/gate) | Contacts,<br>Switch 2<br>(solenoid monitor) | Contact Material | Head Position<br>(opening for key) | Key Style                   | Modification                               | Locking Type/<br>Over-ride            | Solenoid Voltage | Enclosure Seal<br>Material |
|------------------|---|--|-------------------------------------|---|------------------|------------------------------------|-----------------------------|--|---------------------------------------|------------------|----------------------------|
| GKLA14L6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Front &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA14L9A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Front &<br>Top                     | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA14M6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Right &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA14M9A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Right &<br>Top                     | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA14P6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Left &<br>Top                      | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA14P6A4-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini & 5-pin Mini<br>style connectors | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Left &<br>Top                      | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 120<br>Vac       | Fluorocarbon<br>seals      |
| GKLA15L6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Front &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA15L9A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Front &<br>Top                     | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA15M6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Right &<br>Top                     | Straight key                | Green LED re-<br>placed with yellow<br>LED | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA15M9A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Right &<br>Top                     | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA15P6A2-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Left &<br>Top                      | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA15P6A4-FW    | Head to<br>left                                 | Prewired 10-pin<br>Mini & 5-pin Mini<br>style connectors | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-<br>plated  | Left &<br>Top                      | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 120<br>Vac       | Fluorocarbon<br>seals      |
| GKLA2PXA2-F04    | Head to<br>left                                 | Prewired 10-<br>pin Mini style<br>connector              | 2NC/2NO<br>snap<br>action           | 2NC/2NO<br>snap action                      | Silver<br>alloy  | Left &<br>Top                      | —                           | —  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA40L6A2-F05   | Head to<br>left                                 | Prewired 10-<br>pin Mini style<br>connector              | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-<br>plated  | Front &<br>Top                     | Straight key                | —  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA40L6A2-F05-C | Head to<br>left                                 | Prewired 10-<br>pin Mini style<br>connector              | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-<br>plated  | Front &<br>Top                     | Straight key                | —  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA40L9A2-F05-C | Head to<br>left                                 | Prewired 10-<br>pin Mini style<br>connector              | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-<br>plated  | Front &<br>Top                     | Spring-loaded,<br>side-side | —  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA40M9A2-F05-C | Head to<br>left                                 | Prewired 10-<br>pin Mini style<br>connector              | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-<br>plated  | Right &<br>Top                     | Spring-loaded,<br>side-side | —  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |

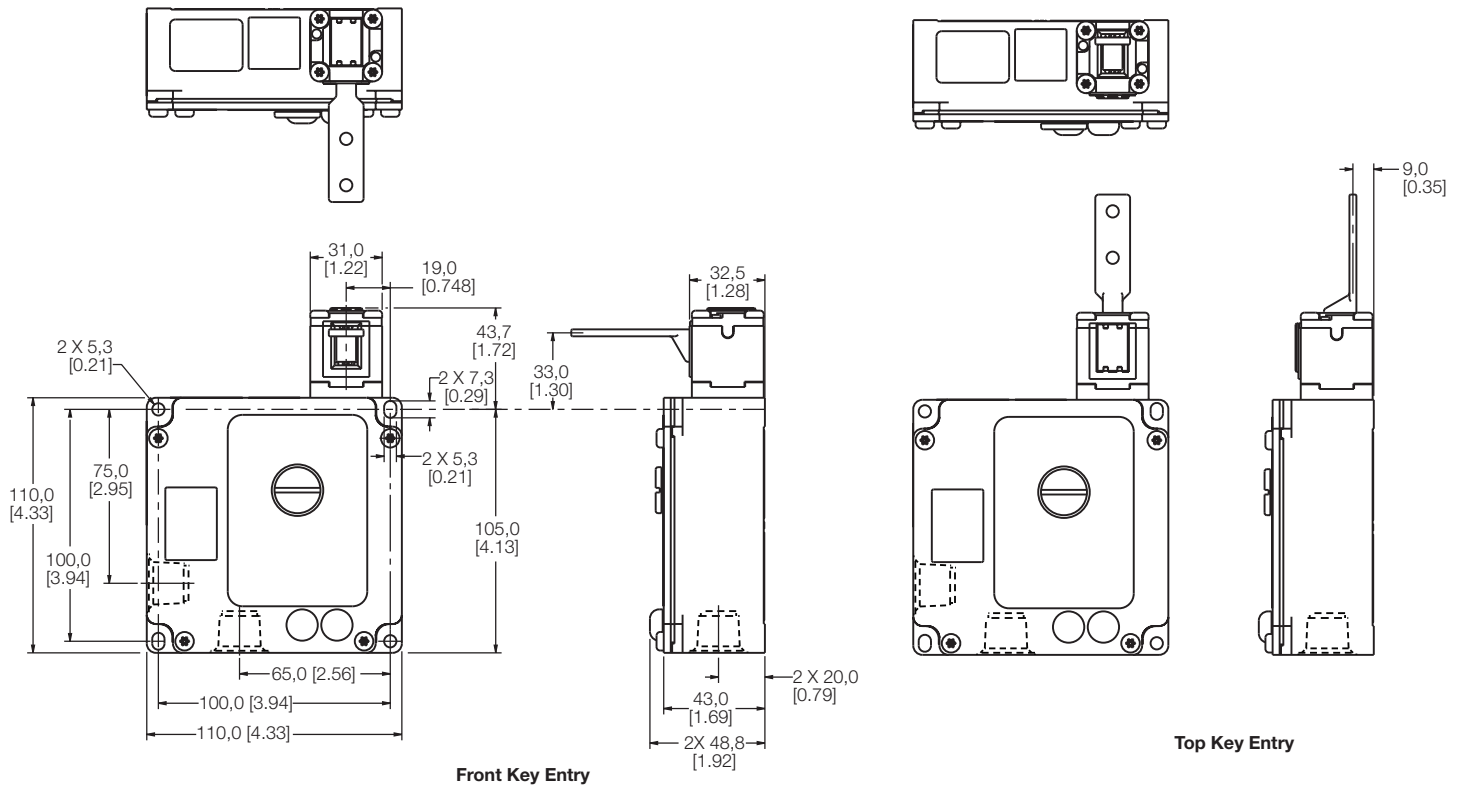
# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Table 5. GKL/R Prewired Safety Switch Order Guide (continued)

| Catalog Listing  | Body Style<br>(includes 2 LEDs<br>unless noted) | Electrical<br>Connection                                 | Contacts,<br>Switch 1<br>(key/gate) | Contacts,<br>Switch 2<br>(solenoid monitor) | Contact Material | Head Position<br>(opening for key) | Key Style                   | Modification                               | Locking Type/<br>Over-ride            | Solenoid Voltage | Enclosure Seal<br>Material |
|------------------|---|--|-------------------------------------|---|------------------|------------------------------------|-----------------------------|--|---------------------------------------|------------------|----------------------------|
| GKLA40PXA2-F05   | Head to<br>left                                 | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Left &<br>Top                      | –                           | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKLA40P6A2-F05-C | Head to<br>left                                 | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Left &<br>Top                      | Straight key                | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA14L6A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Front &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA14M6A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Right &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA14M6A4-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini & 5-pin Mini<br>style connectors | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Right &<br>Top                     | Straight key                | Green LED re-<br>placed with yellow<br>LED | Mechanical<br>latch with<br>over-ride | 120<br>Vac       | Fluorocarbon<br>seals      |
| GKRA14P6A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Left &<br>Top                      | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA14P9A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Silver<br>alloy  | Left &<br>Top                      | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA15L6A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-plated      | Front &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA15M6A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-plated      | Right &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA15M6A4-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini & 5-pin Mini<br>style connectors | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-plated      | Right &<br>Top                     | Straight key                | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 120<br>Vac       | Fluorocarbon<br>seals      |
| GKRA15P9A2-FW    | Head to<br>right                                | Prewired 10-pin<br>Mini style & 4-pin<br>M12 connector   | 2NC/2NO<br>snap<br>action           | 1NC/1NO<br>slow action,<br>BBM              | Gold-plated      | Left &<br>Top                      | Spring-loaded,<br>side-side | Green LED replaced<br>with yellow LED      | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA40L6A2-F05-C | Head to<br>right                                | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Front &<br>Top                     | Straight key                | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA40L9A2-F05-C | Head to<br>right                                | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Front &<br>Top                     | Spring-loaded,<br>side-side | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA40MXA2-F05   | Head to<br>right                                | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Right &<br>Top                     | –                           | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA40M6A2-F05-C | Head to<br>right                                | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Right &<br>Top                     | Straight key                | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |
| GKRA40P9A2-F05-C | Head to<br>right                                | Prewired 10-pin<br>Mini style<br>connector               | 4NC slow<br>action                  | 4NC slow<br>action                          | Gold-plated      | Left &<br>Top                      | Spring-loaded,<br>side-side | –  | Mechanical<br>latch with<br>over-ride | 24<br>Vdc        | Fluorocarbon<br>seals      |

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Figure 9. GKL/R Dimensions mm [in]\*\*



\*\* GKR Series (head to right) illustrated for dimensions. GKL Series (head to left) similar, except head on left side.

# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

Figure 10. GKL/R Key Code 6 Dimensions mm [in]

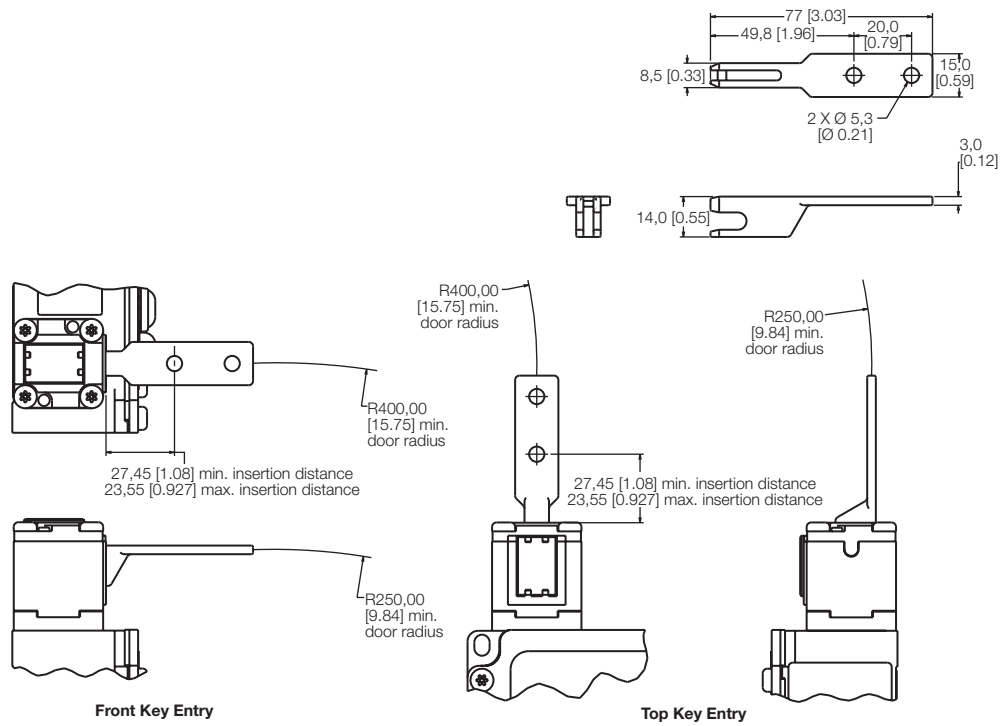
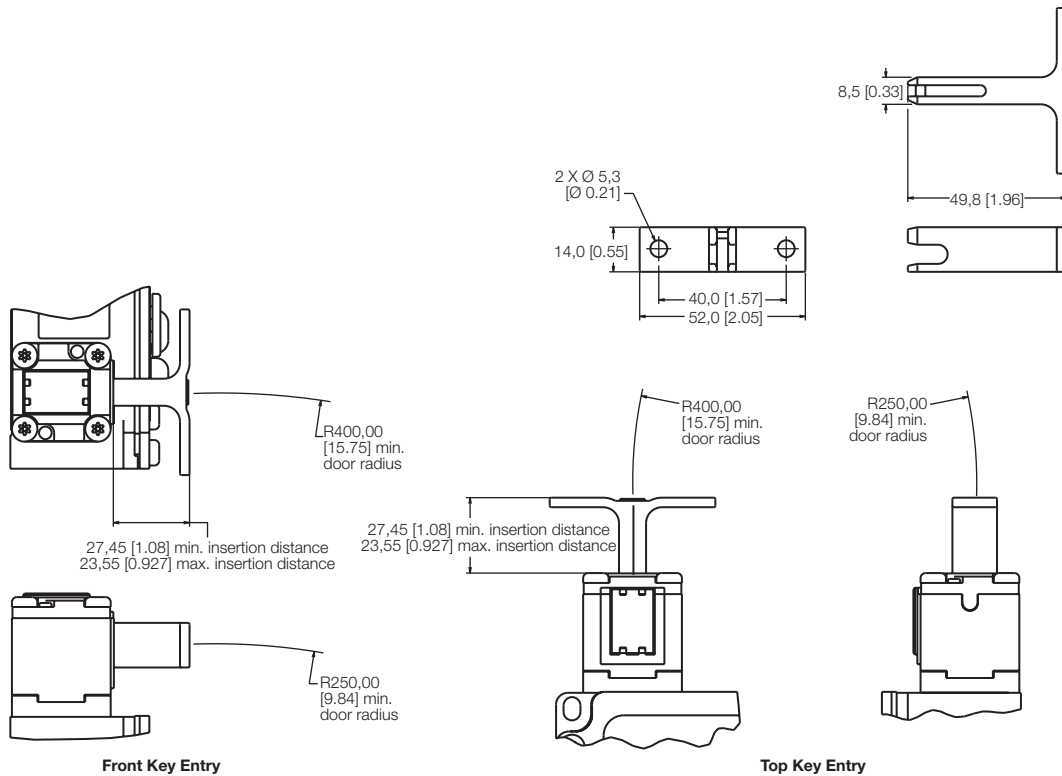
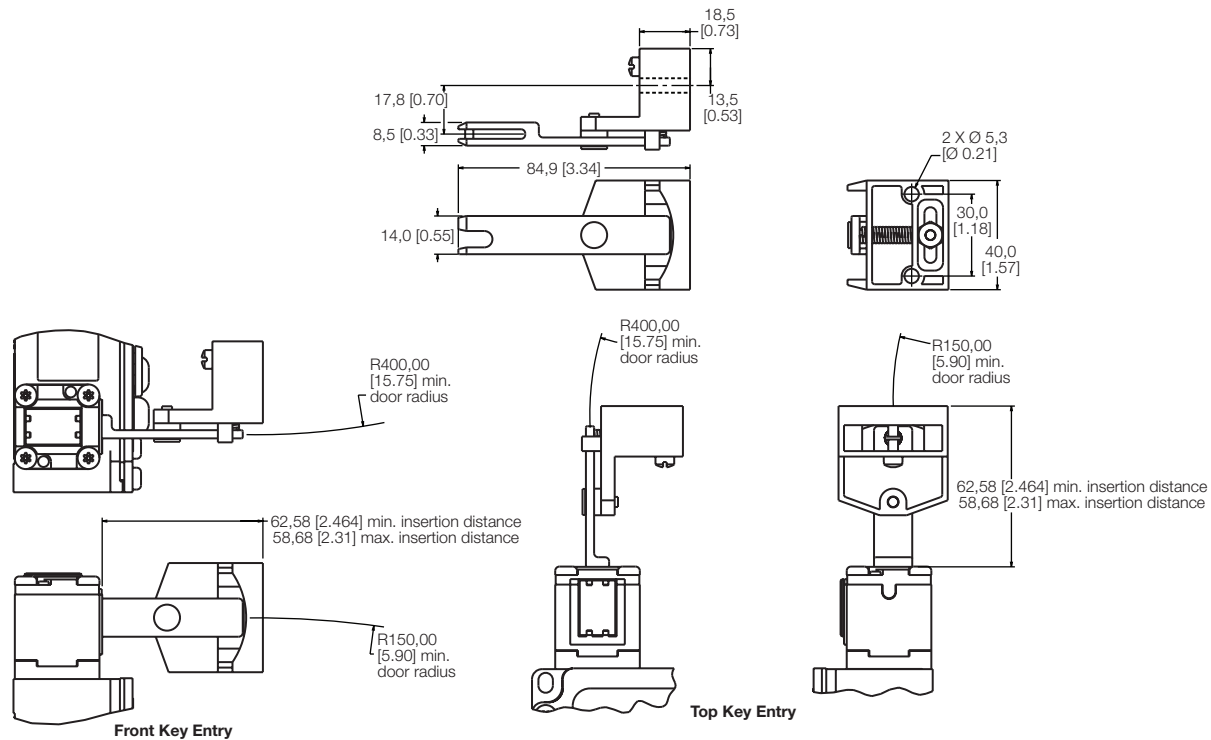


Figure 11. GKL/R Key Code 7 Dimensions mm [in]

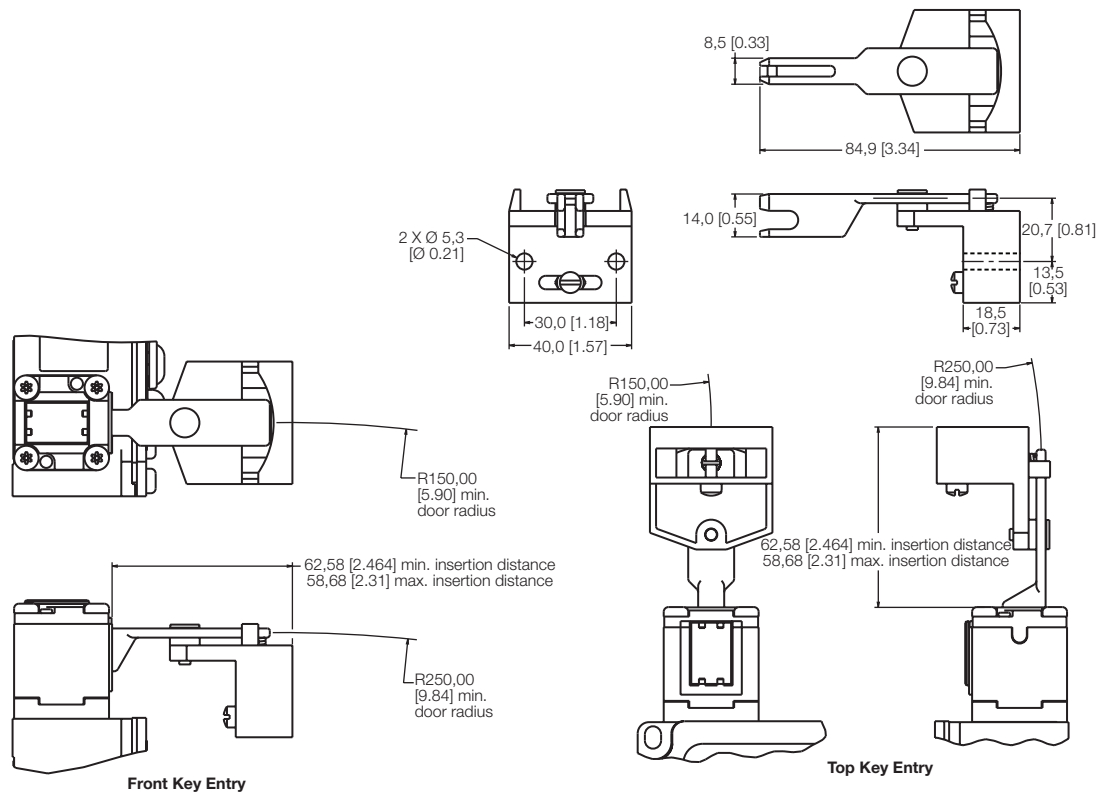


## MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

**Figure 12. GKL/R Key Code 8 Dimensions mm [in]**

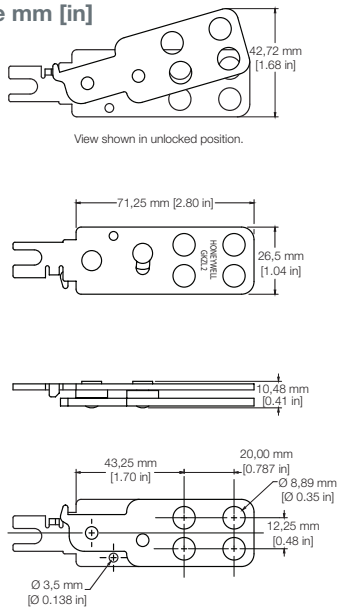


**Figure 13. GKL/R Key Code 9 Dimensions mm [in]**

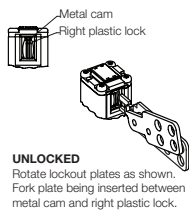


# MICRO SWITCH™ Solenoid Safety Interlock Switches, GKL/R Series

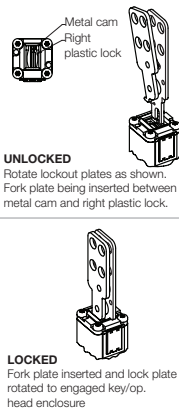
**Figure 14. GK Series GKZL2 Lock-out Device mm [in]**



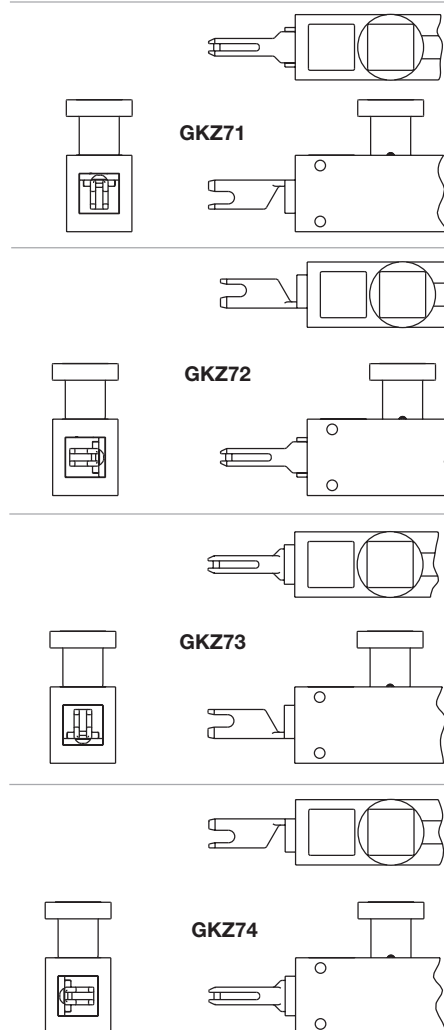
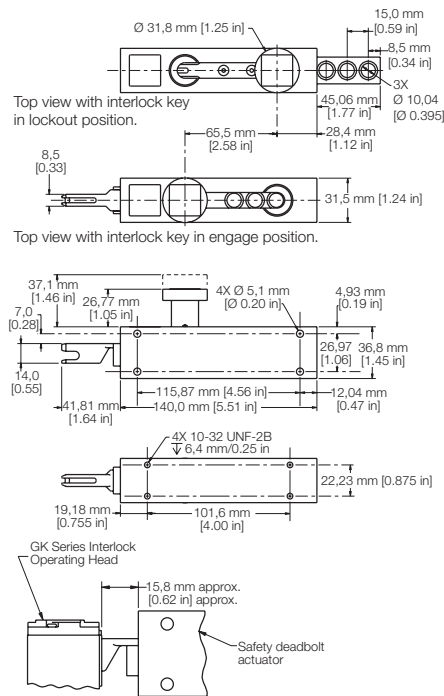
**FRONT KEY ENTRY**













**TOP KEY ENTRY**



**Figure 15. GK Series GKZ7 Safety Deadbolt Actuator mm [in]**



**Table 6. Keys and Accessories**

|   | Catalog Listing    | Description                                   |
|---|--------------------|---|
|    | <b>GKZ56</b>       | Straight key                                  |
|    | <b>GKZ57</b>       | 90° key                                       |
|    | <b>GKZ58</b>       | Spring loaded up/down                         |
|    | <b>GKZ59</b>       | Spring loaded side-to-side                    |
|    | <b>GKZL2</b>       | Lockout device                                |
|   | <b>GKZ71</b>       | Safety deadbolt actuator with key [0° ref.]   |
|   | <b>GKZ72</b>       | Safety deadbolt actuator with key [90° ref.]  |
|   | <b>GKZ73</b>       | Safety deadbolt actuator with key [180° ref.] |
|   | <b>GKZ74</b>       | Safety deadbolt actuator with key [270° ref.] |
|  | <b>GKZT-15BIT*</b> | Torx T-15 security bit for cover screws       |

\* A security bit is included with each switch.

## ADDITIONAL MATERIALS

The following associated literature is available on the Honeywell web site at [sensing.honeywell.com](http://sensing.honeywell.com):

- Product installation instructions
- Product range guide
- Product line guide

### Find out more

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### RISK TO LIFE OR PROPERTY

Never use this product for an application involving serious risk to life or property without ensuring that the system as a whole has been designed to address the risks, and that this product is properly rated and installed for the intended use within the overall system.

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

## WARNING

### MISUSE OF DOCUMENTATION

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

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

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