# IDEM Solenoid Interlock Safety Switch Selection Guide

<table>
<thead>
<tr>
<th>Series</th>
<th>KLP</th>
<th>KLM</th>
<th>KL3-SS</th>
<th>KL1-P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prices start at</td>
<td>$171.00</td>
<td>$185.00</td>
<td>$341.00</td>
<td>$165.00</td>
</tr>
<tr>
<td>Description</td>
<td>Solenoid locking, tongue (key) interlock operated, 1800N holding force, power to unlock, 90° adjustable head</td>
<td>Solenoid locking, tongue (key) interlock operated, 2000N holding force, power to unlock, 90° adjustable head</td>
<td>Solenoid locking, tongue (key) interlock operated, 2000N holding force, power to unlock, 90° adjustable head</td>
<td>Solenoid locking, tongue (key) interlock operated, 1400N holding force, power to unlock, 180° adjustable head</td>
</tr>
<tr>
<td>Construction Material</td>
<td>46mm wide polyester plastic body, 40mm wide 316 stainless steel head</td>
<td>46mm wide polyester plastic body, 40mm wide die-cast aluminum body</td>
<td>48mm wide 316 stainless steel body, 40mm wide 316 stainless steel head</td>
<td>63mm wide polyester plastic body, 52mm wide 316 stainless steel head</td>
</tr>
<tr>
<td>Mechanical Service Life</td>
<td>2.5M operations at 100mA load</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conduit Opening</td>
<td>1 conduit opening, 1/2 in female NPT</td>
<td>3 conduit openings, 1/2 in female NPT</td>
<td></td>
<td>1 conduit opening, 1/2 in female NPT</td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>cULus E258676, CE</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Series</th>
<th>KL1-SS</th>
<th>KLT-SS</th>
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<tbody>
<tr>
<td>Prices start at</td>
<td>$309.00</td>
<td>$327.00</td>
</tr>
<tr>
<td>Description</td>
<td>Solenoid locking, tongue (key) interlock operated, 1600N holding force, power to unlock, 180° adjustable head</td>
<td>Solenoid locking, tongue (key) interlock operated, 2000N holding force, power to unlock, 180° adjustable head</td>
</tr>
<tr>
<td>Construction Material</td>
<td>63mm wide 316 stainless steel body, 52mm wide 316 stainless steel head</td>
<td>105mm wide die-cast aluminum body, 95mm wide 316 stainless steel head</td>
</tr>
<tr>
<td>Degree of Protection (IEC529)</td>
<td>IEC IP67, IEC IP69K</td>
<td>IEC IP67</td>
</tr>
<tr>
<td>Mechanical Service Life</td>
<td>2.5M operations at 100mA load</td>
<td></td>
</tr>
<tr>
<td>Conduit Opening</td>
<td>1 conduit opening, 1/2 in female NPT</td>
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# IDEM Interlock Safety Switch Selection Guide

## Inch-1/Inch-3 Series

<table>
<thead>
<tr>
<th>Series</th>
<th>Inch-1</th>
<th>MK1-SS</th>
<th>HC-1</th>
<th>HC-SS</th>
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<tbody>
<tr>
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<td>$91.00</td>
<td>$32.00</td>
<td>$92.00</td>
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<tr>
<td>Description</td>
<td>Safety switch, tongue (Key) interlock operated, 90 degree adjustable head</td>
<td>Safety switch, Compact Hinge Interlock</td>
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<td></td>
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<tr>
<td>Construction Material</td>
<td>25mm wide plastic body with metal head</td>
<td>30mm wide stainless steel 316</td>
<td>25mm wide plastic body with 316 stainless steel head</td>
<td>30mm wide stainless steel 316</td>
</tr>
<tr>
<td>Degree of Protection (IEC529)</td>
<td>IP67</td>
<td>IP69K</td>
<td>IP67</td>
<td>IP69K</td>
</tr>
<tr>
<td>Mechanical Service Life</td>
<td>2.5 x 10^6 operations at 100mA load</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conduit Opening</td>
<td>M16 &amp; M12 QD</td>
<td>1/2 in NPT M20 &amp; M12 QD</td>
<td>M16 &amp; M12 QD</td>
<td>1/2 in NPT M20 &amp; M12 QD</td>
</tr>
<tr>
<td>Agency Approvals</td>
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## MK1-SS Series

<table>
<thead>
<tr>
<th>Series</th>
<th>IDIS-190051</th>
<th>IDIS-192002</th>
<th>KM-203002</th>
<th>KM-SS-204002</th>
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<tbody>
<tr>
<td>Prices start at</td>
<td>$26.00</td>
<td>$25.00</td>
<td>$62.00</td>
<td>$121.00</td>
</tr>
<tr>
<td>Description</td>
<td>Safety switch, tongue (key) interlock operated, 90 degree adjustable head</td>
<td>Safety switch, lower hinge interlock operated, 90 degree adjustable head</td>
<td>Safety switch, tongue (key) interlock operated, 90 degree adjustable head</td>
<td></td>
</tr>
<tr>
<td>Construction Material</td>
<td>31.5 mm wide, plastic body and head</td>
<td>40 mm wide, die-cast aluminum body and head or die-cast aluminum body and head and 316 stainless steel head</td>
<td>41.6 mm wide, 316 stainless body and head</td>
<td></td>
</tr>
<tr>
<td>Degree of Protection (IEC529)</td>
<td>IP67</td>
<td>IEC IP67</td>
<td>IEC IP67, IEC IP69K</td>
<td></td>
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<tr>
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<td>2.5 x 10^6 operations at 100mA load</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conduit Opening</td>
<td>M16 &amp; M12 QD</td>
<td>One conduit opening, 1/2 in. female NPT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agency Approvals</td>
<td>cULus E256876, CE</td>
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## IDEM Interlock Safety Switch Selection Guide

### KP Series
- **Series:** KP
- **Prices start at:**
  - K-200002: $40.00
  - K-200002-SS: $116.00
- **Description:** Safety switch, tongue (key) interlock operated, 180 degree adjustable head.
- **Construction Material:**
  - 58 mm wide, plastic body and head or plastic body and 316 stainless head.
- **Degree of Protection (IEC529):** IEC IP67.
- **Mechanical Service Life:** $2.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

### K-SS Series
- **Series:** K-SS
- **Prices start at:**
  - K-208002: $40.00
  - K-208002-SS: $61.00
- **Description:** Safety switch, tongue (key) interlock operated, 180 degree adjustable head.
- **Construction Material:**
  - 58 mm wide, 316 stainless body and head.
- **Degree of Protection (IEC529):** IEC IP67, IEC IP69K.
- **Mechanical Service Life:** $2.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

### K-15 Series
- **Series:** K-15
- **Prices start at:**
  - K-15-207002: $40.00
  - K-15-207002-SS: $61.00
- **Description:** Safety switch, tongue (key) interlock operated, 180 degree adjustable head.
- **Construction Material:**
  - 54 mm wide, plastic body and head.
- **Degree of Protection (IEC529):** IEC IP67.
- **Mechanical Service Life:** $2.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

### GLM Series
- **Series:** GLM
- **Prices start at:**
  - GLM-143067-AS: $115.00
  - GLS-142053: $125.00
  - GLS-SS-144020-AS: $263.00
- **Description:** Safety switch, cable-pull interlock operated, with reset. Protection up to 50 meters (164 ft).
- **Construction Material:**
  - 57 mm wide, die-cast aluminum body.
- **Degree of Protection (IEC529):** IEC IP67.
- **Mechanical Service Life:** $1.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

### GLS Series
- **Series:** GLS
- **Prices start at:**
  - GLS-142053: $125.00
  - GLS-SS-144020-AS: $263.00
- **Description:** Safety switch, cable-pull interlock operated, with reset. Protection up to 80 meters (262 ft).
- **Construction Material:**
  - 63 mm wide, die-cast aluminum body.
- **Degree of Protection (IEC529):** IEC IP67, IP69K.
- **Mechanical Service Life:** $1.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

### GLS-SS Series
- **Series:** GLS-SS
- **Prices start at:**
  - GLS-SS-144020-AS: $263.00
- **Description:** Safety switch, cable-pull interlock operated, with reset. Protection up to 100 meters (328 ft).
- **Construction Material:**
  - 65 mm wide, 316 stainless steel body.
- **Degree of Protection (IEC529):** IEC IP67, IP69K.
- **Mechanical Service Life:** $1.5 \times 10^6$ operations at 100 mA load.
- **Conduit Opening:** Three conduit openings, 1/2 in. female NPT.
- **Agency Approvals:** cULus E258676, CE.

For the latest prices, please check AutomationDirect.com.
## Comepi Safety Limit Switches Selection Guide

### SP2 Series
- **Prices start at**: $15.00
- **Description**: 30 mm safety limit switch with keys or shaft lever
- **Material of Construction**: Plastic casing, double insulated
- **Degree of Protection (IEC529)**: IEC IP65
- **Maximum Switching Frequency**: Contact blocks: 1 cycle per second (all)
- **Mechanical Service Life**: 1,000,000 operations
- **Contact Configuration**: X11 - Slow action break before make, positive opening, 1 N.O. + 1 N.C.
- **Conduit Opening**: One cable hole, 1/2" NPT adapter
- **Connection**: 2x2.5mm² (AWG14) to 2x0.5mm² (AWG 18)
- **Agency Approvals**: CE, UL file E189258, CSA 176294, RoHS

### SDM Series
- **Prices start at**: $19.00
- **Description**: 50 mm safety limit switch with keys, shaft lever or pull wire
- **Material of Construction**: ZAMAK (zinc alloy) casing
- **Degree of Protection (IEC529)**: IEC IP66
- **Maximum Switching Frequency**: Contact blocks: 1 cycle per second (all)
- **Mechanical Service Life**: 1,000,000 operations
- **Contact Configuration**: X11 - Slow action break before make, positive opening, 1 N.O. + 1 N.C.
- **Conduit Opening**: Three cable holes, 1/2" NPT
- **Connection**: 2x2.5mm² (AWG14) to 2x0.5mm² (AWG 18)
- **Agency Approvals**: CE, UL file E189258, CSA 176294, RoHS

### SBM Series
- **Prices start at**: $25.50
- **Description**: 40 mm safety limit switch with keys or pull wire
- **Material of Construction**: Aluminum casing
- **Degree of Protection (IEC529)**: IEC IP66
- **Maximum Switching Frequency**: Contact blocks: 1 cycle per second (all)
- **Mechanical Service Life**: 25,000 operations
- **Contact Configuration**: X11 - Slow action break before make, positive opening, 1 N.O. + 1 N.C.
- **Conduit Opening**: One cable hole, 1/2" NPT
- **Connection**: 2x2.5mm² (AWG14) to 2x0.5mm² (AWG 18)
- **Agency Approvals**: CE, UL file E189258, CSA 176294, RoHS

### SCM Series
- **Prices start at**: $26.00
- **Description**: 60 mm safety limit switches with keys or pull wire
- **Material of Construction**: Aluminum casing
- **Degree of Protection (IEC529)**: IEC IP66
- **Maximum Switching Frequency**: Contact blocks: 1 cycle per second (all)
- **Mechanical Service Life**: 1,000,000 operations
- **Contact Configuration**: X11 - Slow action break before make, positive opening, 1 N.O. + 1 N.C.
- **Conduit Opening**: Three cable holes, 1/2" NPT
- **Connection**: 2x2.5mm² (AWG14) to 2x0.5mm² (AWG 18)
- **Agency Approvals**: CE, UL file E189258, CSA 176294, RoHS

### AP2 Series
- **Prices start at**: $13.00
- **Description**: 30 mm limit switches with pull button reset
- **Material of Construction**: Plastic casing, double insulated
- **Degree of Protection (IEC529)**: IEC IP65
- **Maximum Switching Frequency**: Contact blocks: 1 cycle per second (all)
- **Mechanical Service Life**: 1,000,000 operations
- **Contact Configuration**: X11 - Slow action break before make, positive opening, 1 N.O. + 1 N.C.
- **Conduit Opening**: One cable hole, 1/2" NPT adapter
- **Connection**: 2x2.5mm² (AWG14) to 2x0.5mm² (AWG 18)
- **Agency Approvals**: CE, UL file E189258, CSA 176294, RoHS

For the latest prices, please check [AutomationDirect.com](http://AutomationDirect.com).
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