


# IDEM IDIS Interlock Safety Switches

## IDIS Series Housing

- Tongue (key) (IDIS-1) or lever hinge (IDIS-2) interlock operated
  - 90 degree adjustable head
  - One 1/2 in. NPT female conduit opening
  - 22 mm mounting profile
  - Standard and compact housings
  - Force guided NC contacts 
  - Purchase actuating key separately (See accessories)
- See electrical specifications later in this section.**

| IDEM IDIS-1 Tongue (Key) Interlock Safety Switches |         |               |               |              |  |                            |            |
|--|---------|---------------|---------------|--------------|--|----------------------------|------------|
| Part Number  | Price   | Body Material | Head Material | Weight (lbs) | Actuator Travel / Force for Positive Opening | Contact Configuration      | Dimensions |
| IDIS-190051  | \$27.00 | Plastic       | Plastic       | 0.35         | 6mm/12N                                      | 1 N.O., 2 N.C. Slow action | Figure 1   |
| IDIS-190055  | \$27.00 |               |               |              |  | 3 N.C. Slow action         | Figure 1   |
| IDIS-190059  | \$27.00 |               |               |              |  | 1 N.O., 1 N.C. Snap action | Figure 1   |

**IDIS-190051**



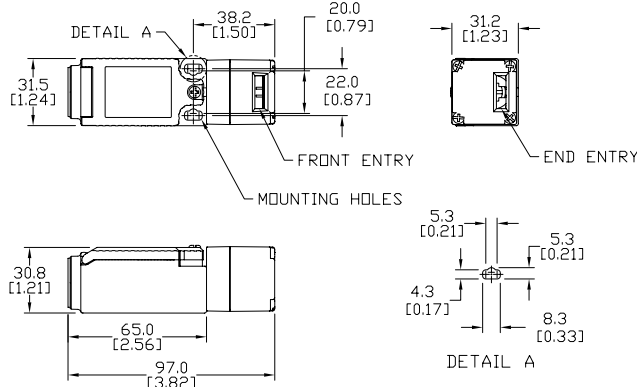
| IDEM IDIS-2 Hinge Interlock Safety Switches |         |               |               |              |  |                            |            |
|---|---------|---------------|---------------|--------------|--|----------------------------|------------|
| Part Number                                 | Price   | Body Material | Head Material | Weight (lbs) | Actuator Rotation / Force for Positive Opening | Contact Configuration      | Dimensions |
| IDIS-192002                                 | \$26.00 | Plastic       | Plastic       | 0.35         | 7 degrees / 0.5N                               | 1 N.O., 2 N.C. Slow action | Figure 2   |
| IDIS-192005                                 | \$26.00 |               |               |              |  | 3 N.C. Slow action         | Figure 2   |
| IDIS-192008                                 | \$26.00 |               |               |              |  | 1 N.O., 1 N.C. Snap action | Figure 2   |

**IDIS-192002**

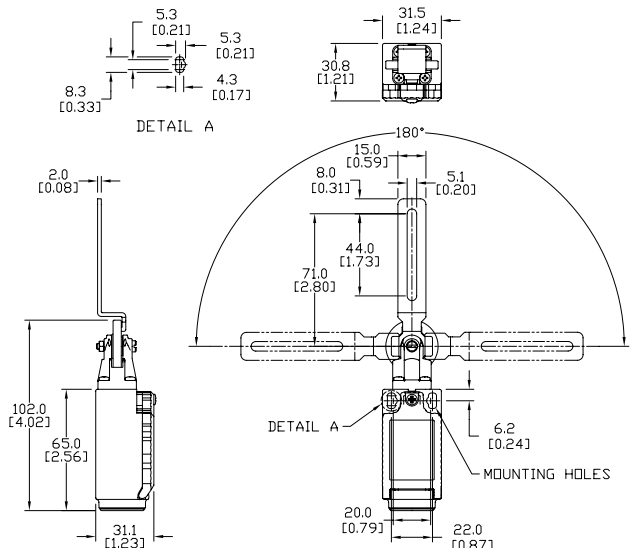


## Dimensions mm[in]

**Figure 1**




**Figure 2**



# IDEM KM/KM-SS Interlock Safety Switches

## KM/KM-SS Series Housing

- Tongue (key) interlock operated
- 90 degree adjustable head
- 8 actuator entry positions
- One 1/2 in. NPT female conduit opening
- Force guided NC contacts 
- 30 mm mounting profile
- Aluminum and 316 stainless steel options available
- Includes one tamper-proof T20 Torx bit
- Purchase actuating key separately. (See accessories)

**See electrical specifications later in this section.**

**KM-203002**



**KM-203002-SS**



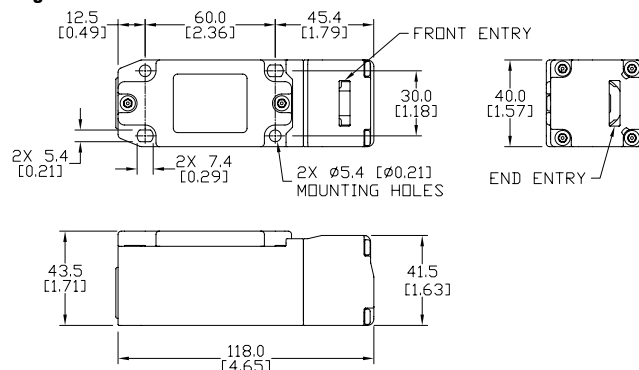
**KM-SS-204002**



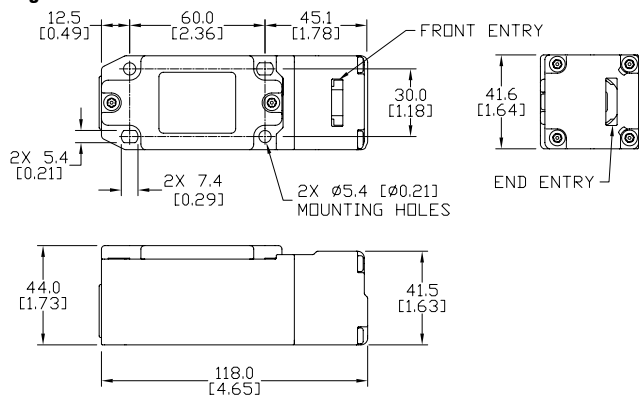
| IDEM KM /KM-SS Interlock Safety Switches |          |                     |                   |                            |  |                            |            |                            |          |
|--|----------|---------------------|-------------------|----------------------------|--|----------------------------|------------|----------------------------|----------|
| Part Number                              | Price    | Body Material       | Head Material     | Weight (lbs)               | Actuator Travel / Force for Positive Opening | Contact Configuration      | Dimensions |                            |          |
| <b>KM-203002</b>                         | \$64.00  | Die-cast aluminum   | Die-cast aluminum | 0.92                       | 6mm/12N                                      | 1 N.O., 2 N.C. Slow action | Figure 1   |                            |          |
| <b>KM-203008</b>                         | \$74.00  |                     |                   |                            |  | 1 N.O., 3 N.C. Slow action | Figure 1   |                            |          |
| <b>KM-203011</b>                         | \$74.00  |                     |                   |                            |  | 2 N.O., 2 N.C. Slow action | Figure 1   |                            |          |
| <b>KM-203002-SS</b>                      | \$84.00  |                     |                   |                            |  | 316 stainless steel        | 1.1        | 1 N.O., 2 N.C. Slow action | Figure 2 |
| <b>KM-203008-SS</b>                      | \$96.00  |                     |                   |                            |  |                            |            | 1 N.O., 3 N.C. Slow action | Figure 2 |
| <b>KM-203011-SS</b>                      | \$98.00  |                     |                   |                            |  |                            |            | 2 N.O., 2 N.C. Slow action | Figure 2 |
| <b>KM-SS-204002</b>                      | \$125.00 | 316 stainless steel | 1.4               | 1 N.O., 2 N.C. Slow action | Figure 2                                     |                            |            |                            |          |
| <b>KM-SS-204008</b>                      | \$134.00 |                     |                   | 1 N.O., 3 N.C. Slow action | Figure 2                                     |                            |            |                            |          |
| <b>KM-SS-204011</b>                      | \$132.00 |                     |                   | 2 N.O., 2 N.C. Slow action | Figure 2                                     |                            |            |                            |          |

## Dimensions mm[in]

**Figure 1**



**Figure 2**



# IDEM KP/K-SS and K-15 Interlock Safety Switches

## KP/K-SS and K-15 Series Housing

- Tongue (key) interlock operated
  - 180 degree adjustable head
  - 4 actuator entry positions
  - Three 1/2 in. NPT female conduit openings
  - Force guided NC contacts →
  - 40 mm mounting profile
  - Purchase actuating key separately. (See accessories.)
- See electrical specifications later in this section.**



| IDEM KP/K-SS Interlock Safety Switches |          |                     |                     |              |  |                            |            |
|--|----------|---------------------|---------------------|--------------|--|----------------------------|------------|
| Part Number                            | Price    | Body Material       | Head Material       | Weight (lbs) | Actuator Travel/Force for Positive Opening | Contact Configuration      | Dimensions |
| KP-200002                              | \$41.00  | Plastic             | Plastic             | 0.7          | 6mm/12N                                    | 1 N.O., 2 N.C. Slow action | Figure 1   |
| KP-200008                              | \$53.00  |                     |                     |              |  | 1 N.O., 3 N.C. Slow action | Figure 1   |
| KP-200011                              | \$53.00  |                     |                     |              |  | 2 N.O., 2 N.C. Slow action | Figure 1   |
| KP-200002-SS                           | \$63.00  |                     | 316 stainless steel | 0.85         |  | 1 N.O., 2 N.C. Slow action | Figure 2   |
| KP-200008-SS                           | \$71.00  |                     |                     |              |  | 1 N.O., 3 N.C. Slow action | Figure 2   |
| KP-200011-SS                           | \$71.00  |                     |                     |              |  | 2 N.O., 2 N.C. Slow action | Figure 2   |
| K-SS-208002                            | \$119.00 | 316 stainless steel | 316 stainless steel | 1.63         | 1 N.O., 2 N.C. Slow action                 | Figure 3                   |            |
| K-SS-208008                            | \$129.00 |                     |                     |              | 1 N.O., 3 N.C. Slow action                 | Figure 3                   |            |
| K-SS-208011                            | \$129.00 |                     |                     |              | 2 N.O., 2 N.C. Slow action                 | Figure 3                   |            |

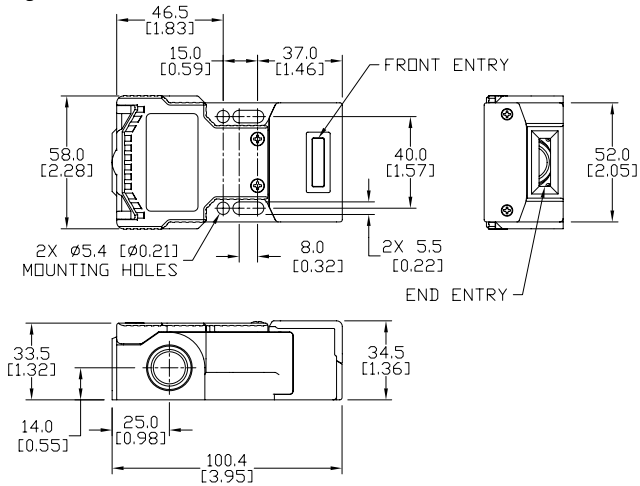


| IDEM K-15 Interlock Safety Switches |         |               |                     |              |  |                            |            |
|-------------------------------------|---------|---------------|---------------------|--------------|--|----------------------------|------------|
| Part Number                         | Price   | Body Material | Head Material       | Weight (lbs) | Actuator Travel / Force for Positive Opening | Contact Configuration      | Dimensions |
| K-15-207002                         | \$41.00 | Plastic       | Plastic             | 0.66         | 6mm/12N                                      | 1 N.O., 2 N.C. Slow action | Figure 4   |
| K-15-207005                         | \$41.00 |               |                     |              |  | 3 N.C. Slow action         | Figure 4   |
| K-15-207002-SS                      | \$60.00 |               | 316 Stainless Steel | 0.8          |  | 1 N.O., 2 N.C. Slow action | Figure 5   |
| K-15-207005-SS                      | \$60.00 |               |                     |              |  | 3 N.C. Slow action         | Figure 5   |

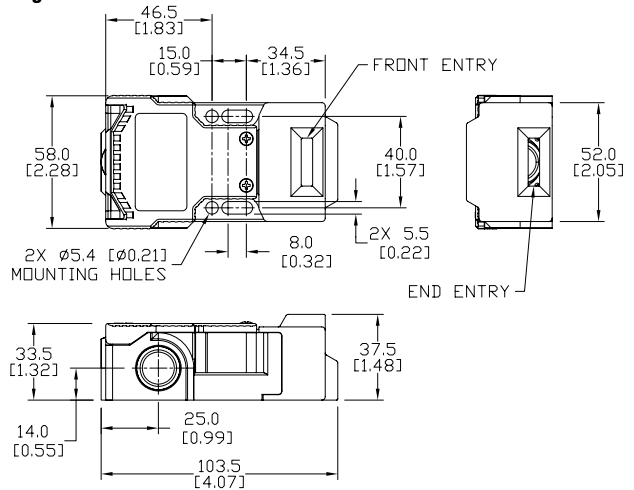
# IDEM KP/K-SS and K-15 Interlock Safety Switches

## Dimensions mm[in]

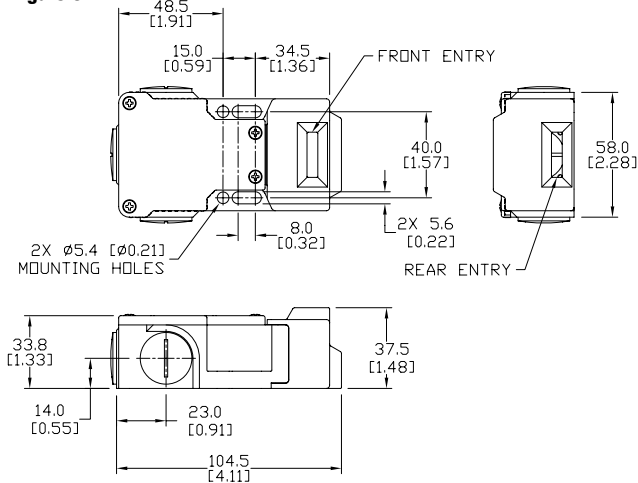
**Figure 1**



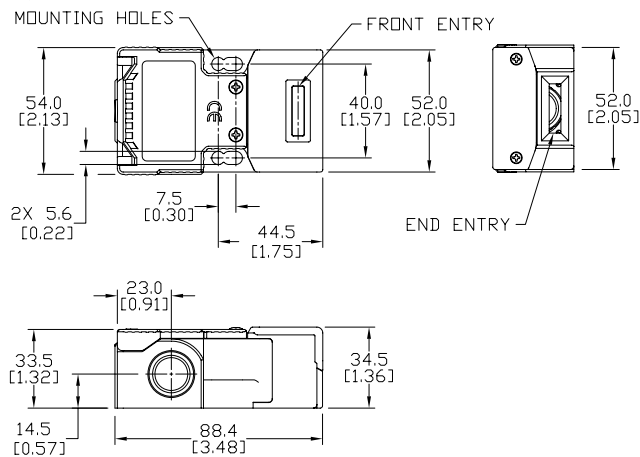
**Figure 2**



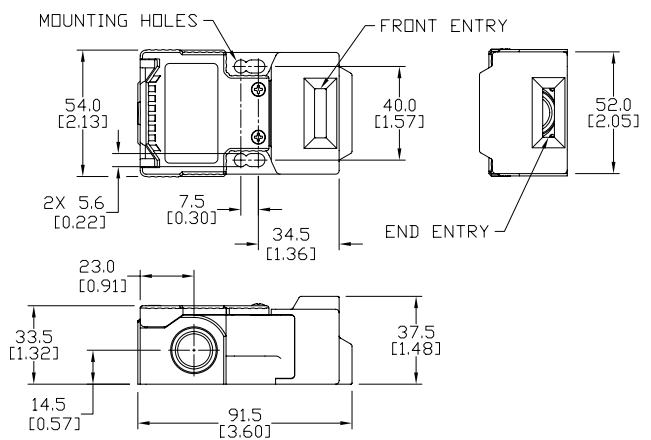
**Figure 3**



**Figure 4**



**Figure 5**



# IDEM Interlock Safety Accessories

## Actuator Keys

- 14 available keys
- All keys are 316 stainless steel
- Flexible key options available



| IDEM Interlock Safety Switch Actuator Tongue (Keys) |         |  |           |        |               |      |     |              |                      |            |
|---|---------|--|-----------|--------|---------------|------|-----|--------------|----------------------|------------|
| Part Number   | Price   | Description  | Use with: |        |               |      |     | Weight (lbs) | Minimum Entry Radius | Dimensions |
|   |         |  | IDIS-1    | KP/K15 | K-SS/KM/KM-SS | INCH | MK1 |              |                      |            |
| 140103  | \$7.25  | 14.4 mm mounting hole spacing, 90° bent stainless steel key/mounting tab   | ✓         |        |               |      |     | 0.03         | 175mm                | Figure 1   |
| 140104  | \$7.25  | 14.4 mm mounting hole spacing, straight stainless steel key/mounting tab   | ✓         |        |               |      |     | 0.03         | 175mm                | Figure 2   |
| 140105  | \$12.50 | 40mm mounting hole spacing, stainless steel key with polyester flexible mounting tab   | ✓         |        |               |      |     | 0.06         | 100mm                | Figure 3   |
| 140106  | \$7.25  | 40mm mounting hole spacing, 90° stainless steel key/mounting tab   |           | ✓**    |               |      |     | 0.07         | 175mm                | Figure 4   |
| 140107  | \$7.25  | 40mm mounting hole spacing, 90° stainless steel key/mounting tab   |           | ✓*     | ✓             |      |     | 0.07         | 175mm                | Figure 5   |
| 140108  | \$7.25  | 20mm mounting hole spacing, straight stainless steel key with plastic stop   |           | ✓      | ✓             |      |     | 0.07         | 175mm                | Figure 6   |
| 140109  | \$12.00 | 40mm mounting hole spacing, stainless steel key with polyester flexible mounting tab   |           | ✓      | ✓             |      |     | 0.10         | 100mm                | Figure 7   |
| 140110  | \$25.00 | 40mm mounting hole spacing, stainless steel key with black-painted aluminum flexible mounting tab  |           | ✓      | ✓             |      |     | 0.16         | 100mm                | Figure 8   |
| 140111  | \$49.00 | 40mm mounting hole spacing, stainless steel key with mirror polished stainless steel flexible mounting tab   |           | ✓      | ✓             |      |     | 0.22         | 100mm                | Figure 9   |
| 140130  | \$27.00 | IDEM lockout actuator, stainless steel, for use with IDEM tongue (key) switches  |           | ✓      | ✓             |      |     |              |                      | Figure 10  |
| 140179  | \$14.50 | IDEM key guide, 316 stainless steel. Mounting hardware included. For use with IDEM INCH series safety switches   |           |        |               | ✓    |     |              | NA                   | Figure 15  |
| 140179-SS   | \$14.50 | IDEM key guide, 316 stainless steel. For use with IDEM MK1 series safety switches  |           |        |               |      | ✓   |              |                      |            |
| 140180  | \$7.25  | IDEM actuator tongue (key), 8mm mounting hole spacing, 316 stainless steel, 90 degree mounting tab. For use with IDEM MK1 and INCH series safety switches                  |           |        |               | ✓    | ✓   | 0.10         | 150mm                | Figure 16  |
| 140181  | \$7.25  | IDEM actuator tongue (key), 15mm mounting hole spacing, 316 stainless steel, straight mounting tab, shock absorbing. For use with IDEM MK1 and INCH series safety switches |           |        |               | ✓    | ✓   |              | 150mm                | Figure 17  |
| 140182  | \$12.50 | IDEM actuator tongue (key), 40mm mounting hole spacing, 316 stainless steel, flexible mounting tab. For use with IDEM MK1 and INCH series safety switches                  |           |        |               | ✓    | ✓   |              | 100mm                | Figure 18  |

# IDEM Interlock Safety Accessories

## Accessories

- Gate bolt kits provide a sliding latch and lockout for swinging or sliding doors
- Comes with handle and flat actuator
- Sliding action prevents accidental closure
- Requires four M5 x 45mm mounting hardware (not included)
- Gate bolt kit materials: ABS plastic handle; mild steel yellow plate; aluminum black base; mild steel plated bar (inserts into guide); stainless steel guide and key

**GBA-1-210003**



**GBA-1-210004**



**GB - 210005**



**GB - 210006**

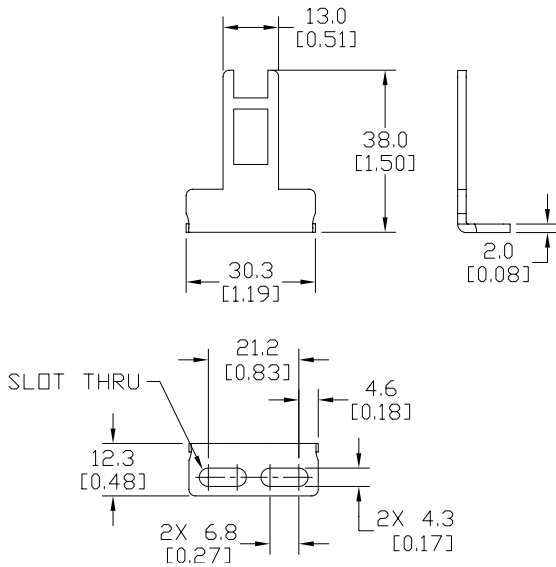


| IDEM Interlock Safety Switch Accessories |         |  |           |       |              |            |
|--|---------|--|-----------|-------|--------------|------------|
| Part Number                              | Price   | Description  | Use with: |       | Weight (lbs) | Dimensions |
|  |         |  | KM        | GBA-1 |              |            |
| <b>GBA-1-210003</b>                      | \$95.00 | IDEM gate bolt, left hand version, for use with KM series safety switches. Includes actuating tongue (key).  | ✓         |       | 3.7          | Figure 11  |
| <b>GBA-1-210004</b>                      | \$93.00 | IDEM gate bolt, right hand version, for use with KM series safety switches. Includes actuating tongue (key). | ✓         |       | 3.7          | Figure 12  |
| <b>GB-210005</b>                         | \$12.50 | IDEM rear escape handle, for use with GBA-1 and GBL-1 series gate bolts                                      |           | ✓     | 0.1          | Figure 13  |
| <b>GB-210006</b>                         | \$12.50 | IDEM spring loaded catch, for use with GBA-1 and GBL-1 series gate bolts                                     |           | ✓     | 0.08         | Figure 14  |

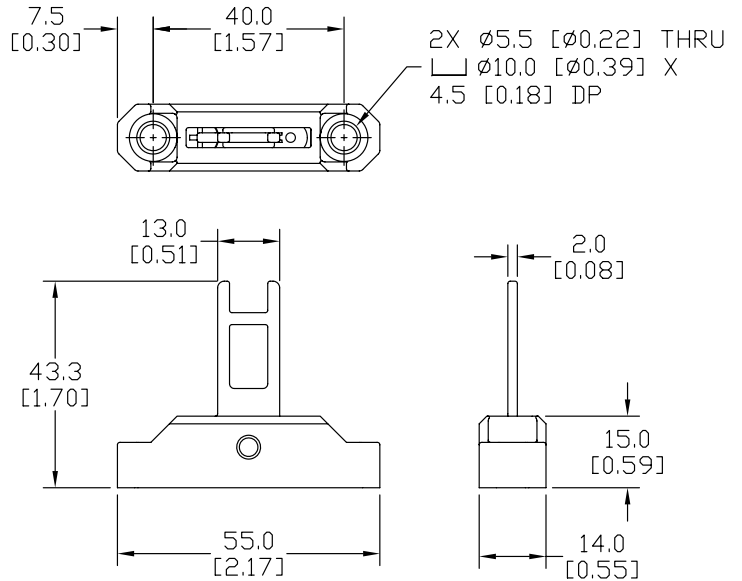
# IDEM Interlock Safety Accessories

## Dimensions mm[in]

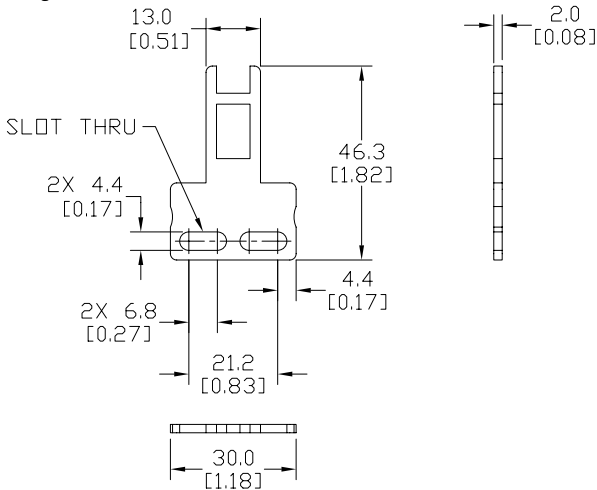
**Figure 1**



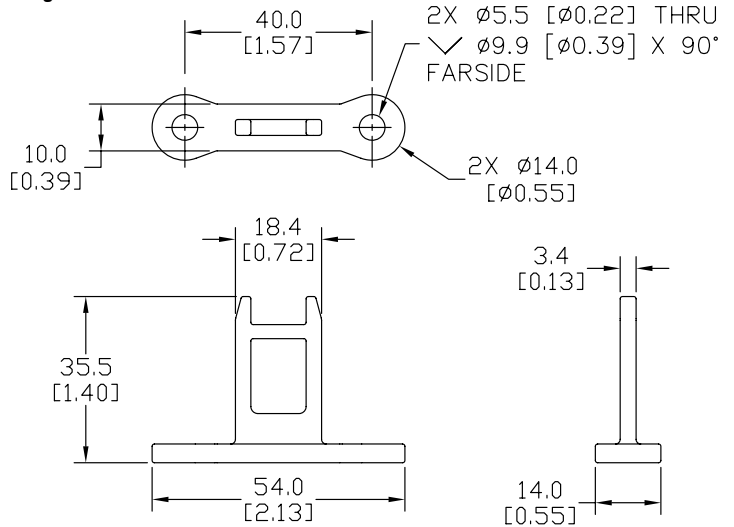
**Figure 3**



**Figure 2**



**Figure 4**



# IDEM Interlock Safety Accessories

## Dimensions mm[in]

Figure 5

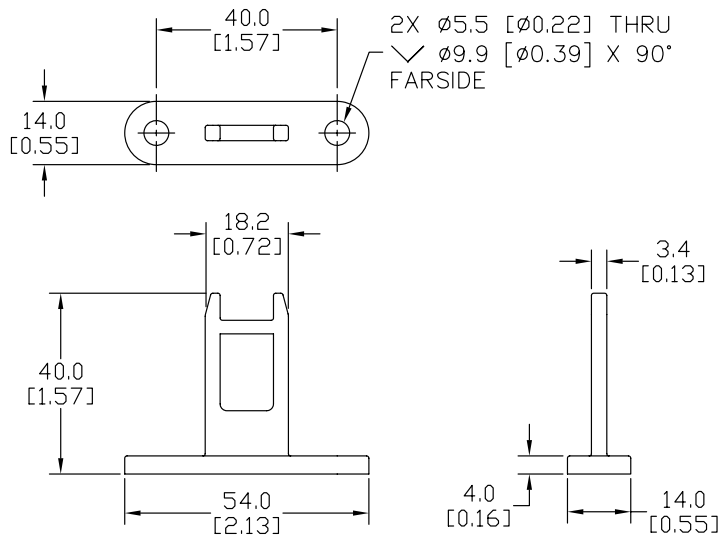
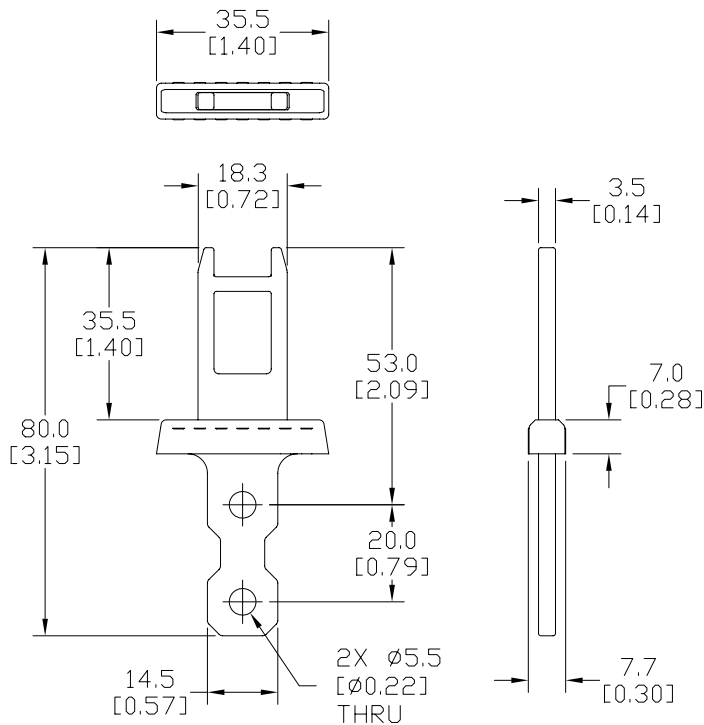


Figure 6





# IDEM Interlock Safety Accessories

## Dimensions mm[in]

Figure 7

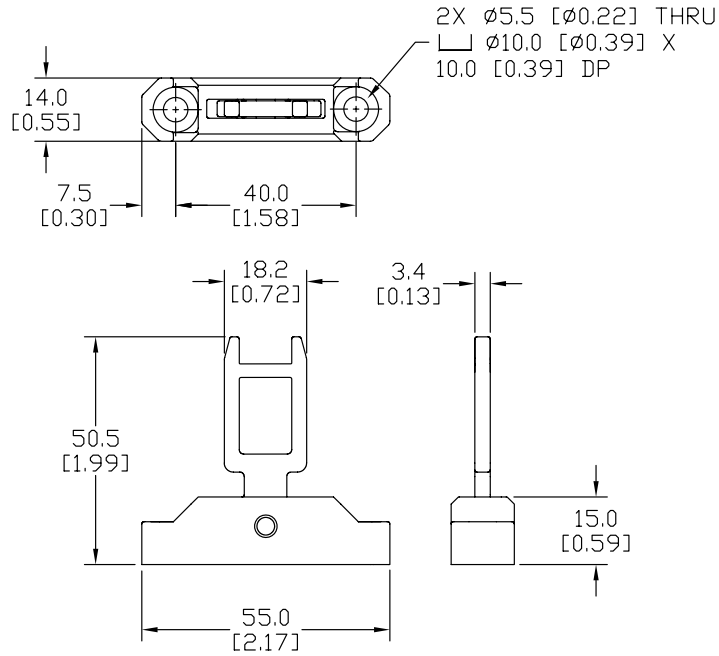
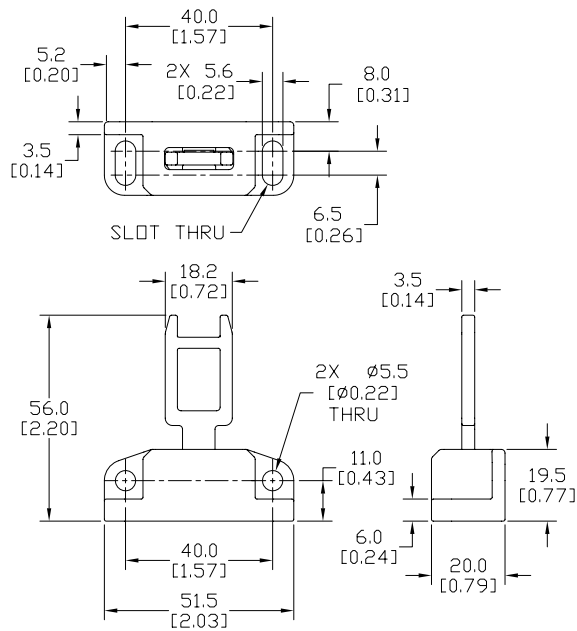


Figure 8



# IDEM Interlock Safety Accessories

## Dimensions mm[in]

Figure 9

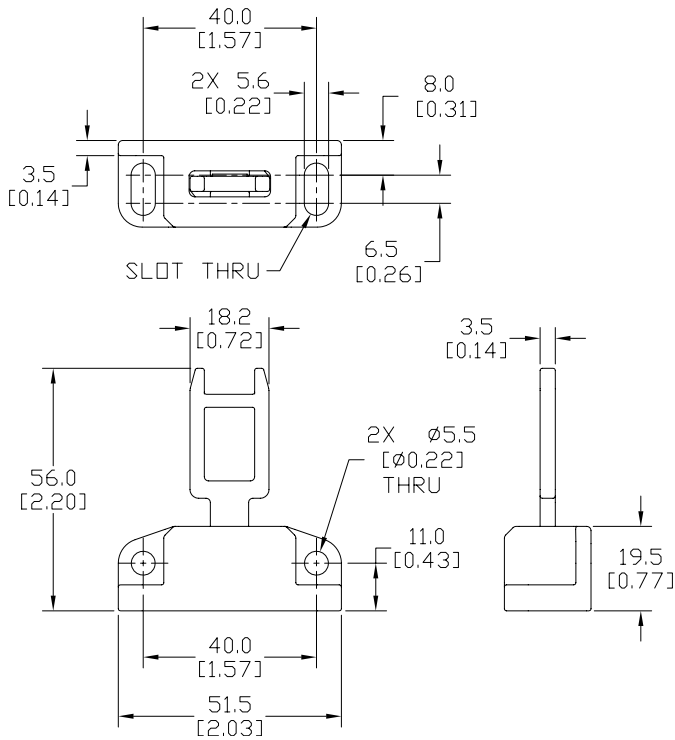
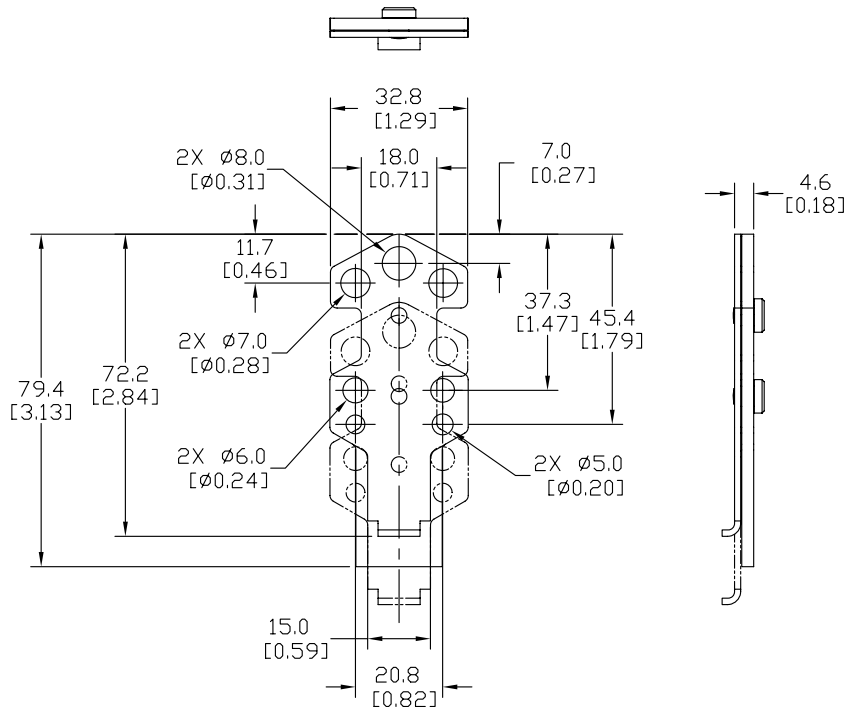


Figure 10



# IDEM Interlock Safety Accessories

## Dimensions mm[in]

Figure 11

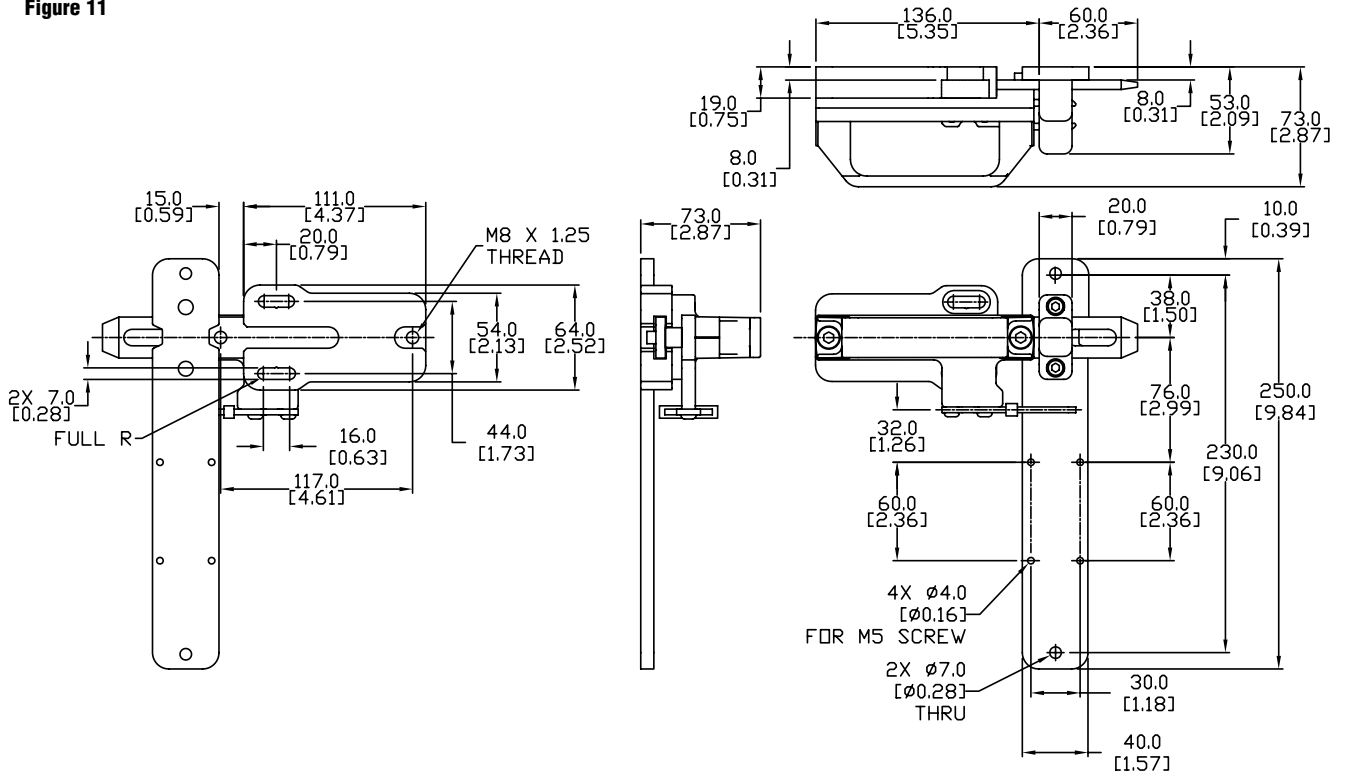
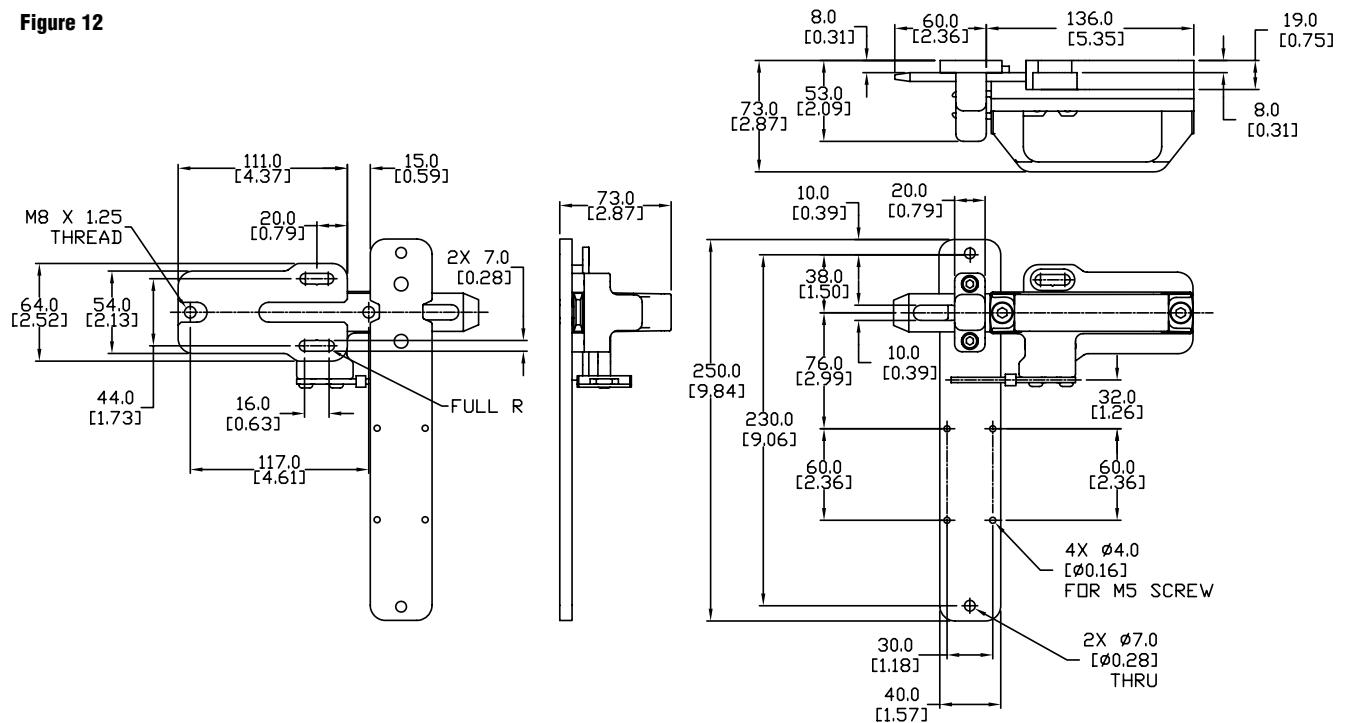


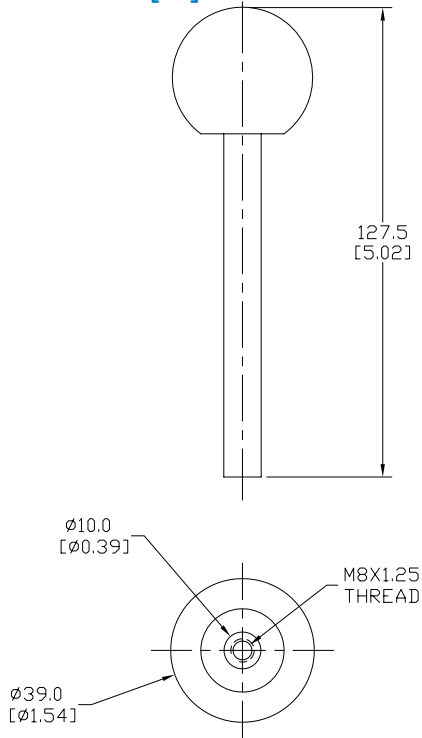
Figure 12



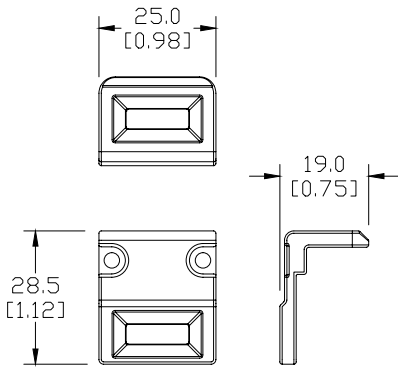
# IDEM Interlock Safety Accessories

## Dimensions mm[in]

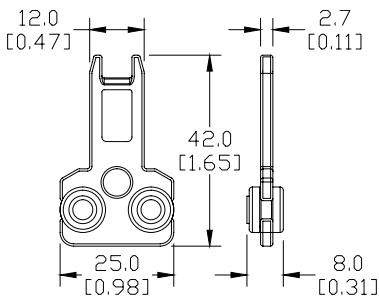
**Figure 13**



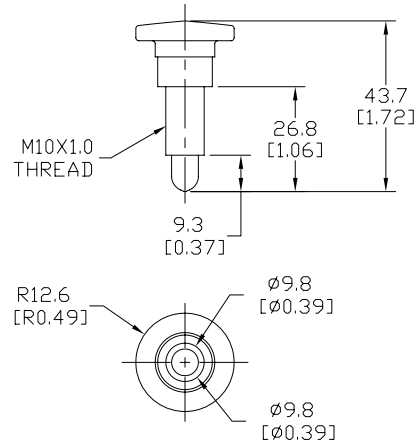
**Figure 15**



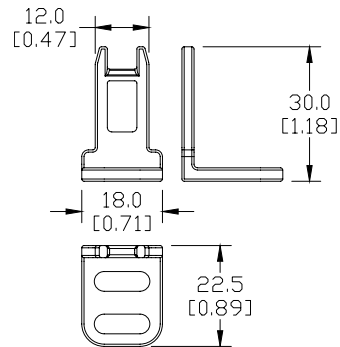
**Figure 17**



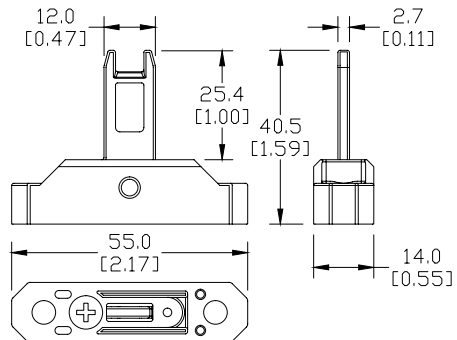
**Figure 14**



**Figure 16**



**Figure 18**



See our website, [www.AutomationDirect.com](http://www.AutomationDirect.com), for complete Engineering drawings.

# IDEM GM and GLS Safety Rope Switches

## GLM and GLS Series Pull Cord Housings

- Three 1/2 in. NPT female fittings
- Includes one tamper-proof T20 Torx bit
- 57 mm, 63 mm, and 65 mm mounting profiles
- Rope Pull kits sold separately and recommended for increased reliability
- 50m, 80m, and 100m length systems

**See electrical specifications later in this section.**

| IDEM GLM/GLS Interlock Safety Switches |          |                         |              |        |        |                     |                       |            |
|--|----------|-------------------------|--------------|--------|--------|---------------------|-----------------------|------------|
| Part Number                            | Price    | Construction Material   | Weight (lbs) | E-Stop | LED    | Maximum Rope Length | Contact Configuration | Dimensions |
| GLM-143002                             | \$118.00 | 57 mm Die-cast Aluminum | 1.5          | No     | No     | 50m/164 ft.*        | 1 N.O., 2 N.C. Slow   | Figure 1   |
| GLM-143051                             | \$129.00 |                         | 1.5          | No     | No     |                     | 1 N.O., 3 N.C.        | Figure 1   |
| GLM-143053                             | \$129.00 |                         | 1.5          | No     | No     |                     | 2 N.O., 2 N.C.        | Figure 1   |
| GLM-143057                             | \$152.00 |                         | 1.6          | Yes    | No     |                     | 1 N.O., 3 N.C.        | Figure 1   |
| GLM-143067-AS                          | \$169.00 |                         | 1.7          | Yes    | 24VDC  |                     | 1 N.O., 3 N.C.        | Figure 2   |
| GLM-143067-BS                          | \$173.00 |                         | 1.7          | Yes    | 110VAC |                     | 1 N.O., 3 N.C.        | Figure 2   |
| GLS-142002                             | \$129.00 | 63 mm Die-cast Aluminum | 1.75         | No     | No     | 80m/262 ft.*        | 1 N.O., 2 N.C.        | Figure 3   |
| GLS-142051                             | \$143.00 |                         | 1.75         | No     | No     |                     | 1 N.O., 3 N.C.        | Figure 3   |
| GLS-142053                             | \$143.00 |                         | 1.75         | No     | No     |                     | 2 N.O., 2 N.C.        | Figure 3   |
| GLS-142063                             | \$163.00 |                         | 1.85         | Yes    | No     |                     | 1 N.O., 3 N.C.        | Figure 3   |
| GLS-142075-AS                          | \$182.00 |                         | 1.9          | Yes    | 24VDC  |                     | 1 N.O., 3 N.C.        | Figure 4   |
| GLS-142075-BS                          | \$190.00 |                         | 1.9          | Yes    | 110VAC |                     | 1 N.O., 3 N.C.        | Figure 4   |
| GLS-SS-144002                          | \$271.00 | 65 mm Stainless Steel   | 4.2          | No     | No     | 100m/328 ft.*       | 1 N.O., 3 N.C.        | Figure 5   |
| GLS-SS-144004                          | \$271.00 |                         | 4.2          | No     | No     |                     | 2 N.C., 2 N.O.        | Figure 5   |
| GLS-SS-144014                          | \$313.00 |                         | 4.3          | Yes    | No     |                     | 1 N.O., 3 N.C.        | Figure 5   |
| GLS-SS-144020-AS                       | \$348.00 |                         | 4.4          | Yes    | 24VDC  |                     | 1 N.O., 3 N.C.        | Figure 6   |
| GLS-SS-144020-BS                       | \$353.00 |                         | 4.4          | Yes    | 110VAC |                     | 1 N.O., 3 N.C.        | Figure 6   |

\*See Recommended Rope Span Options and Fittings for number of switches recommended with specific maximum rope lengths.

GLM-143067-AS



GLS-142053



GLS-SS-144020-AS



## Cable Kits for IDEM Cable-Pull Safety Switches

- One end of cables terminated with a thimble, permanent clamp, and a threaded quick link
- 4 mm diameter cable with red plastic coating
- Kit includes everything needed for installation
- 4 mm Allen key

| Cable Kits for IDEM Cable-Pull Safety Switches |          |  |              |                       |              |
|--|----------|--|--------------|-----------------------|--------------|
| Part Number                                    | Price    | Description  | Cable Length | Construction Material | Weight (lbs) |
| 140002   | \$63.00  | Includes (1) cable, (5) eyebolts, (1) tensioner / gripper and (1) allen key.   | 10m/32 ft.   | galvanized steel      | 0.8          |
| 140011   | \$84.00  |  |              | stainless steel       | 1.3          |
| 140004   | \$84.00  | Includes (1) cable, (9) eyebolts, (1) tensioner / gripper and (1) allen key.   | 20m/65 ft.   | galvanized steel      | 2.2          |
| 140013   | \$104.00 |  |              | stainless steel       | 2.9          |
| 140005   | \$98.00  | Includes (1) cable, (12) eyebolts, (1) tensioner / gripper and (1) allen key.  | 30m/98 ft.   | galvanized steel      | 2.8          |
| 140014   | \$119.00 |  |              | stainless steel       | 3.9          |
| 140006   | \$117.00 | Includes (1) cable, (20) eyebolts, (1) tensioner / gripper and (1) allen key.  | 50m/164 ft.  | galvanized steel      | 4.5          |
| 140015   | \$135.00 |  |              | stainless steel       | 6.0          |
| 140007   | \$129.00 | Includes (1) cable, (30) eyebolts, (2) tensioner / grippers and (1) allen key. | 80m/262 ft.  | galvanized steel      | 7.0          |
| 140016   | \$169.00 |  |              | stainless steel       | 9.5          |

140002



# Safety Products



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