# 1-800-633-0405 For the latest prices, please check AutomationDirect.com.

#### **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 (Ibs)	Actuator Travel / Force for Positive Opening	Contact Configuration	Dimensions	
<u>IDIS-190051</u>	\$34.00	Plastic	Plastic	0.35	6mm/12N	1 N.O., 2 N.C. Slow action	Figure 1	
IDIS-190055	\$34.00					3 N.C. Slow action	Figure 1	
<u>IDIS-190059</u>	\$34.00					1 N.O., 1 N.C. Snap action	Figure 1	

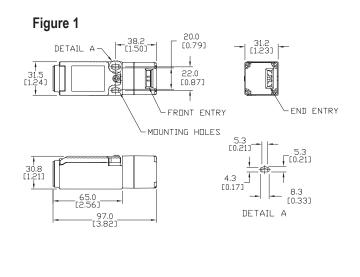


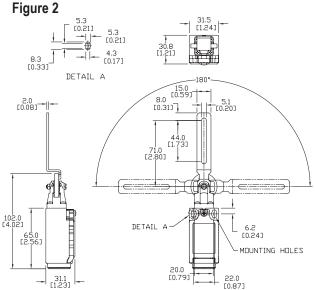
IDEM IDIS-2 Hinge Interlock Safety Switches								
Part Number	Price	Body Material	Head Material	Weight (lbs)	Actuator Rotation / Force for Positive Opening	Contact Configuration	Dimensions	
<u>IDIS-192002</u>	\$31.50	Plastic	Plastic	0.35	7 degrees / 0.5N	1 N.O., 2 N.C. Slow action	Figure 2	
<u>IDIS-192005</u>	\$31.50					3 N.C. Slow action	Figure 2	
IDIS-192008	\$31.50					1 N.O., 1 N.C. Snap action	Figure 2	



#### **Dimensions**

mm [in]





### 1-800-633-0405 **IDEM Interlock Safety Accessories** Actuator Keys For Use With IDIS-1

• All keys are 316 stainless steel

• Flexible key option available





IDEM Interlock Safety Switch Actuator Tongue (Keys)								
Part Number	Price	Description	Minimum Entry Radius	Weight (lb [g])	Drawings			
<u>140103</u>	\$10.50	14.4 mm mounting hole spacing, 90° bent stainless steel key/mounting tab	175mm	0.03 [13.6]	PDF			
<u>140104</u>	\$10.50	14.4 mm mounting hole spacing, straight stainless steel key/mounting tab	175mm	0.03 [13.6]	PDF			
<u>140105</u>	\$19.50	40mm mounting hole spacing, stainless steel key with polyester flexible mounting tab	100mm	0.06 [27.2]	PDF			

For the latest prices, please check AutomationDirect.com.

## 1-800-633-0405 IDEM Interlock Safety Switches Specifications



Specifications									
	IDIS	INCH/MK1	НС	КМ	KP/K-SS	K-15	GLx		
Safety Classification and Reliability Data Switching Reliability 1.5 x 10 <sup>6</sup> operations 1.5 x 10 <sup>6</sup> operations									
Switching Reliability (B10 <sub>d</sub> )	2.5 x 106 operations at 100mA load								
ISO 13849-1	Up to PLe depending upon system architecture								
EN 62061	Up to SIL3 depending upon system architecture								
Safety Data - Annual Usage	8 cycles per hour / 24 hours per day / 365 days								
Agency Approvals	cULus (E258676), CE								
		Elect	rical and Genera	l Specifications					
Conductor Sizes	16-12 AWG (1.5 to 2.5 mm <sup>2</sup> )								
Utilization Category	AC15, A300, 3A								
Thermal Current	10A								
Short Circuit Overload Protection	External 10A Fast Acting recommended								
Rated Insulation Voltage	600VAC 500VAC								
Contact Terminals	Stainless steel (Snap action plated brass); Max conductor 1.5 m <sup>2</sup> (IDIS), 2.5 m <sup>2</sup> (KM, K/K-15); 1 N•m [0.74 lb•ft] torque								
Maximum Switching Current	2.5A @24 VDC 6A @ 120VAC, 3A @ 240VDC (720VA Break)								
Maximum Approach/Withdrawal Speed	600mm/s [23.6 in/s]						NA		
Enclosure Protection	IP67 (IP69K on all models with both stainless steel head and body)								
<b>Operating Temperature</b>	-25°C to 80°C [-13°F to 176°F]								
Vibration	$I_{\rm E}(1.68-7.6-1)$						10Hz to 500Hz 0.35 mm [0.014 in]		
Lid Screws/Torque	Plated brass 1 N•m [0.74 lb•ft]	Stainless steel T20 Torx 1 N•m [0.74 lb•ft]	Stainless steel 1 N•m [0.74 lb•ft]				Stainless steel T20 Torx 1.5 N•m [1.11 lb•ft]		
Recommended Mounting Screws/ Torque	M4 1.5 N•m [1.11 lb•ft]	M5 4N•m [2.95 lb•ft]		M4 M5 1.5 N•m [1.11 lb•ft] 4N•m [2.95 lb•ft]					
Head Screws/Torque	Stainless steel, except snap (plated brass) 1 N•m [0.74 lb•ft]	Stainless steel T20 Torx 1 N•m [0.74 lb•ft]	Stainless steel; 1 N•m [0.74 lb•ft]						

# **Safety Products**



Warning: Safety products sold by AutomationDirect are Safety components only. The purchaser/installer is solely responsible for the application of these components and ensuring all necessary steps have been taken to assure each application and use meets all performance and applicable safety requirements and/or local, national and/or international safety codes as required by the application. AutomationDirect cannot certify that our products, used solely or in conjunction with other AutomationDirect or other vendors' products, will assure safety for any application. Any person using or applying any products sold by AutomationDirect is responsible for learning the safety requirements for their individual application and applying them, and therefore assumes all risks, and accepts full and complete responsibility, for the selection and suitability of the product for their respective application.

AutomationDirect does not provide design or consulting services, and cannot advise whether any specific application or use of our products would ensure compliance with the safety requirements for any application.