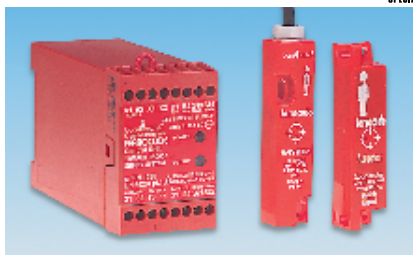


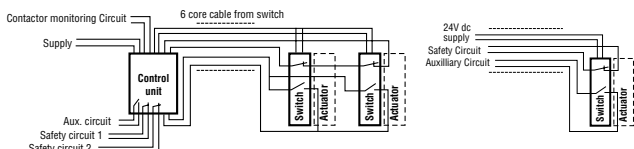
Non-Contact Switches — continued

'Ferrocode' Tamper Proof Safety System

High security coded magnetic safety switch and control unit



Control Unit H = 73, W = 45, D = 20
 Sensor Switch: H = 82, W = 18, D = 16
 Actuator: H = 82, W = 18, D = 18



- Unique anti-tamper code - cannot be overridden by an ordinary magnet
- 9mm switching distance gives excellent tolerance to misalignment
- Designed for category 2, 3 and 4 machines
- Sensor may be used on its own for low risk, category 1 machines
- Up to 6 sensors can be connected in series to control unit
- Sensors are sealed to **IP67** and are supplied with 3 metres of cable
- Fully conforms to **EN108 EN60204** and **CL**

Control Unit		Sensor	
Input voltage	594-301: 24V ac/dc 594-313: 110V ac/240V ac	Input voltage	24V dc
Contacts	2N/O (safety), 1N/C (auxiliary)	Contacts	1N/C (safety), 1N/O (auxiliary)
Contact rating	4A @ 250V	Contact rating	1A @ 28V dc, 0.5A @ 250V ac
IP rating	IP20	IP rating	IP67
		Case material	ABS

Mftrs. List Nos: 02068 = 594-301, 02070 = 594-313, 2067 = 594-325

CTL198X

Voltage	Control Unit	Order Code	Price Each			
			1+	5+	10+	25+
24V ac/dc		.594-301				
110/240V ac		.594-313				
	Sensor & Actuator	.594-325				

'Sentinel 1' - Electronic



Switch H = 69, W = 50, D = 36
 2 Mounting holes M4
 Diagonally opposite
 38 57
 Actuator H = 82, W = 18
 2 Mounting Slots M4
 at 73 centres

Operating supply 240V ac 250mA
 Safety contacts 1 NO, 250V ac 2A max.
 Auxiliary contacts 1 NC, 250V ac 2A max.
 Switching distance Make 8mm, Break 12mm
 Misalignment tolerance Make ±6mm, Break ±10mm
 Operating life > 10 10⁶ operations
 Operating temperature -10°C to +55°C
 Mftrs. List No. 15013 sentinel 1

- High integrity electronic safety switch incorporating a self-contained sensor and monitoring circuit
- Housed in a rugged ABS case, sealed to **IP65**
- Suitable for slide, hinged or removable guards
- LED contact status indicator
- Anti-tamper fixing screws for lid and actuator (driver bit supplied)
- Conforms to **BS5304** and **BS6491**



CTL183X

Order Code	Price Each			
	1+	10+	25+	50+
239-732				

Solenoid Locking Switches

'Spartan' – Safety Interlock Switch



- Compact tongue operated safety interlock switch with guard locking
- Locks guard shut until machine is safe
- Lid mounted status indication
- High locking force: ≤1200N
- 2 N/C + 1 N/O contacts
- Rotating head: 4 possible key entry slots



H = 120, W = 58, D = 35

Safety contacts 2 N/C
 Auxiliary contacts 1 N/O
 Conduit entry M20
 Operating temperature -20°C to +60°C
 Meets standard **EN1088, EN60947-5-1, EN292, EN60204-1**

CTL216

Voltage	Order Code	Price Each			
		1+	5+	10+	25+
24V dc	.599-700				
110V ac	.599-712				
230V ac	.599-724				

'Safelock-SLK'



- Slimline universal guard switch with solenoid locking
- 'Smart Head' feature 4 horizontal and 4 vertical actuator positions set in seconds
- Unique cage clamp terminals
- Spring lock or solenoid lock
- Two independent safety circuits
- 24Vac/dc or Multivolt (24-230Vac/dc) versions
- Triple coded actuator
- Mounting to **EN 50041**
- Optional universal key with pre-settable positioning
- **BG (GS-ET 19), UL & CSA approved**

H = 170/184, W = 42.5, D = 45/51 Fixing centres = 30

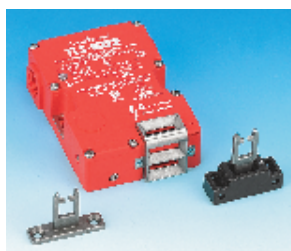
Contacts Rated insulation voltage U_i = 250V
 AC15 230V/4A
 Thermal Current I_{th} = 10A
 Operating temperature -25° to +70°C
 Ingress protection **IP67**
 Conduit entry 3xPg13.5

CTL250

Voltage	Actuator	Solenoid	Order Code	Price Each			
				1+	5+	10+	25+
Spring lock							
24V	1NC+1NO	1NC+1NO	331-673				
24V	2NC	1NC+1NO	331-727				
Multi-volt	1NC+1NO	1NC+1NO	331-739				
Multi-volt	2NC	1NC+1NO	331-740				
Solenoid lock							
24V	1NC+1NO	1NC+1NO	331-752				
24V	2NC	1NC+1NO	331-776				
Multi-volt	1NC+1NO	1NC+1NO	334-534				
Multi-volt	2NC	1NC+1NO	334-546				
Accessories							
Universal Pre-set Key			334-558				

TLS-GD2

Compact Tongue Operated Safety Interlock Switch with Guard Locking



- Locks guard shut until machine is safe
- High locking force 2000N
- Stainless-steel actuator guide aids alignment and improves mechanical life
- Five contacts: 2 N/C+1 N/O for door position monitoring 1 N/C+1 N/O for lock monitoring
- Rotatable head: four possible key entry slots
- Conforms to **EN 1088** and **EN 60947-5-1, UL**
- Choice of 2 Actuator types (Order Separately)

Mounting Any position
 Mechanical life 1 x 10⁶
 Electrical life 1 x 10⁶
 Max. holding force 2000N
 Max. releaseable load 100N
 Safety contacts 3N/C

CTL337