

Mfrs. List No. GKMA39W2 = 326-203, GKMB39W2 = 326-215, GKMC09W2 = 326-239, GKMD09W2 = 326-240

FOR SUITABLE 4 WAY SOCKET CONNECTORS SEE HIRSCHMANN M12 RANGE OR BRAD HARRISON M12 RANGE

CTL240

Type	Order Code	1+	5+	10+	25+
<b>Standard - With 90° Key</b>					
Side Exit, 3m Cable	<b>326-203</b>				
Bottom Exit, 3m Cable	<b>326-215</b>				
Side Exit, Connector	<b>326-239</b>				
Bottom Exit, Connector	<b>326-240</b>				
<b>Accessories</b>					
Straight Key	<b>603-958.</b>				

## GKM-Low Energy Key Dual Connector

**Honeywell**



- Intended for applications where there are multiple access points on machines or in processes
- Can be chained together using one connector for 'in' and one for 'out'
- Chain can be terminated by any single connector version of the GKM range which forms the loop-back for the NC circuit
- Switching system may be expanded or contracted without the need to reset or shut it down.

Standards	<b>IEC 947-5-1, EN60947-5-1, EN1088, EN60204, UL508, CSA22.2-14, UL746C</b>
Safety Contacts	1 N/C with positive break contacts
Utilisation category	AC15, DC 13
Thermal current	10A
Rated insulation voltage	500V
Impulse withstand voltage	2500V
Auxiliary contacts	1 N/O
Operating temperature	-25°C to 85°C
Mechanical life	1 million operations
Break contact min. force	20N
Degree of protection	<b>IP67, EN60529, NEMA, 1, 12, 13</b>
Max. actuation speed	0.2m/s
Max. actuation speed	2 operations/second
Shock	<b>IEC68-2-27 (BS2011, Part 2.1 Ea): 50g</b>
Vibration	<b>IEC68-2-6 (BS2011, Part 2.1 Fc): 10g</b>

Mfrs. List No. GKME09W2 = 305-4366

FOR SUITABLE 4 WAY SOCKET CONNECTORS SEE HIRSCHMANN M12 RANGE OR BRAD HARRISON M12 RANGE

CTL241

	Order Code	1+	5+	10+	25+
Switch with 90°C Key	<b>305-4366</b>				
Straight Key	<b>603-958.</b>				

## 'Trojan 5'



H = 95, W = 58, D = 32,  
Fixing slots = 13.5, 5,  
Fixing centres = 40

- Universal guard switch housed in rugged reinforced nylon case
- Rotatable head allows four possible key entry points
- Three cable/conduit entry points moulded into housing
- Door catch may be added to hold larger guard doors shut
- Conforms to **BS5304, EN60947-5-1, BG, UL and CL**
- Sealed to **IP67**
- Three versions available with Brad-Harrison Connector (M12 Female) fitted for ease of maintenance/removal

**GuardMaster**  
SPECIALISTS IN MACHINERY SAFETY

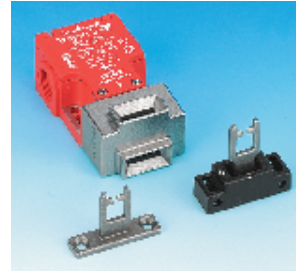
Contacts	2NC (safety) 1NO (auxiliary)	Switch rating	500VA
Conduit Entry	3 x M20 or 3 x PG11	Operating temperature	-35°C to +80°C

Mfrs. List No. 11090 = 480-411, 11092 = 594-210, 11095 = 480-423, 11094 = 480-435, 11129 = 305-7252, 11132 = 305-7276, 11131 = 305-7264, 17054 = 305-7288, 11144 = 327-6776

CTL176X

Standard Connection	Entry Type	Order Code	1+	10+	20+	30+
Switch & Actuator	M20	<b>480-411</b>				
Switch & Actuator	PG11	<b>594-210</b>				
<b>Brad-Harrison Connection</b>						
Switch & Actuator	End Entry	<b>305-7252</b>				
Switch & Actuator	LH Entry	<b>305-7264</b>				
Switch & Actuator	RH Entry	<b>305-7276</b>				
<b>Accessories</b>						
5m cable connector		<b>305-7288</b>				
Spare Actuator		<b>480-423</b>				
Door Catch		<b>480-435.</b>				
Semi-Flexible Actuator and Guide		<b>327-6776</b>				

## Trojan 5 GD2



**GuardMaster**  
SPECIALISTS IN MACHINERY SAFETY

**Robust, universal, tongue operated interlock switch**

- Stainless steel head aids alignment and improves mechanical life of switch
- Minimum operating radius  $\geq 60\text{mm}$
- 2N/C+1N/O contacts
- Choice of 2 actuator types (order separately)
- Protection to **IP67**
- Conforms to **EN 1088, EN 60947-5-1**
- Cable entry M20

CTL336

	Mfrs. List No.	Order Code	1+	5+	10+
Front Entry	11147	<b>327-6880</b>			
Reverse entry	11155	<b>327-6892</b>			
<b>Actuators</b>					
Standard	27011	<b>327-6820</b>			
Fully Flexible	27143	<b>327-6831</b>			

## Safety Switch, Sub-Miniature 'SKT'

**BERNSTEIN**



- Short(83mm) body to **DIN 50047**
- Quick rotate head for easy set-up (no-screws) giving 8 actuator positions
- Stainless Steel Actuator (Dual mounting position)
- Slow make/break or Snap-action positive drive NC contacts
- 1NO, 1NC OR 2NC contacts
- Hinged snap-shut lid seals to **IP65**

Body H = 83 (excluding head), W = 30, D = 30  
Fixing centres = 22mm

Housing	Thermoplastic (UL94-V0)	Max inrush current	<b>IEC 947-5-1, AC 15, DC 13</b>
Cable entry	PG 9	Max voltage	250Vac
Operating temp	-30°C to +80°C	Thermal current	I <sub>th</sub> 10A
Mechanical life	1 10 <sup>6</sup> switch operations	Approvals	<b>UL, CSA, BG</b>

CTL321

	Order Code	1+	5+	10+	50+
1NC, 1NO Slow make/break	<b>320-5514</b>				
1NC, 1NO Snap-action	<b>320-5526</b>				
2NC Slow make/break	<b>320-5538</b>				
2NC Snap-action	<b>320-5540</b>				

## 'Safelock-SK'



H = 90, (Compact version  $\pm 75$ ) W = 52, D = 30  
Fixing centres = 40 Fixing slots = 5.5x12.5

**BERNSTEIN**

- Universal guard switch in self-extinguishing thermoplastic
- Rotatable head with 4 actuator entry points
- Unique in-built 100N holding force option
- Snap shut hinged cover
- Triple coded actuator key prevents tampering
- Short body version for confined space applications
- Optional universal key with pre-settable positioning
- Conforms to **BG, CSA, UL, IEC 947-5-1, EN60947-5-1**

Switch rating	<b>IEC 947-5-1 AC15/DC 13</b> 2 Contact versions 500V, I <sub>th</sub> 10A 3 Contact versions 400V, I <sub>th</sub> 6A
Operating temperature	-30 to +80°C
Ingress protection	<b>IP65</b>
Conduit entry	3xPg11

CTL249

Body	Key	Contacts	Order Code	1+	5+	10+	25+
<b>Standard Holding Force</b>							
Compact	Plastic	1NC	<b>331-211</b>				
Compact	Metal	1NC	<b>331-223</b>				
Standard	Metal	1NC + 1NO	<b>331-235</b>				
Standard	Metal	2NC	<b>331-247</b>				
Standard	Metal	2NC + 1NO	<b>331-284</b>				
<b>Accessories</b>							
Spare Metal Key			<b>331-648</b>				
Spare Plastic Key			<b>331-650</b>				
Universal Key			<b>331-661</b>				