

# CK LOCK SWITCHES

# RoHS COMPLIANT

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

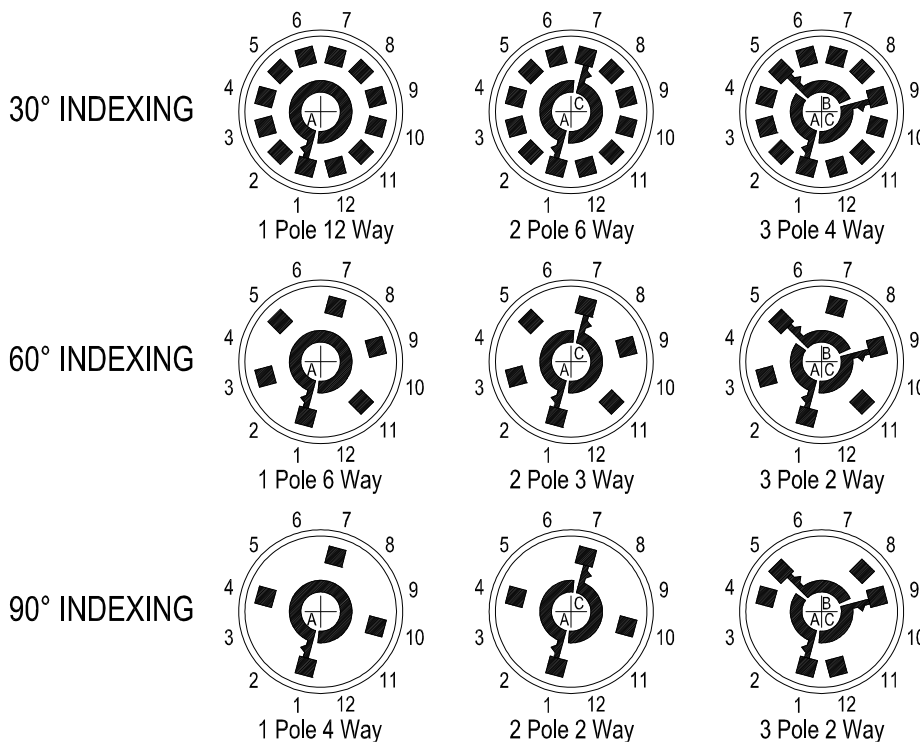
Switch Rating:	150mA @ 250V ac/dc
Life:	>10,000 Cycles
Operating Temperature:	-30°C to +85 °C
Proof Voltage:	1,500Vac (Initial)
Insulation Resistance:	>999 MΩ at 500Vdc (Initial)
Contact Resistance:	<20mΩ (initial)
Moulding Material:	Polyamide 6.6 G.F.
Contact/Terminal Material:	Brass CZ108 Ag Plated
Lock Housing:	Zinc Alloy Bright Cr Plated
Keys:	Mild Steel Ni plated



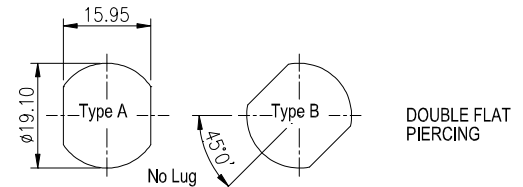
## GENERAL FEATURES

- Made in UK.
- Moulded Single Wafer Lock switch.
- Two part construction. The lock is inserted into the panel from the front. The CK module either bracketed or snap-on, from the rear of the panel.
- Switch indexed 30°, 60° or 90°.
- All contacts are non-shorting (BBM).
- Solder or printed circuit terminals.
- Keys removable at 60° or 90° angles.
- Two keys per lock. Additional keys to order.
- Keys to pass (common combination) or differ (different combinations)

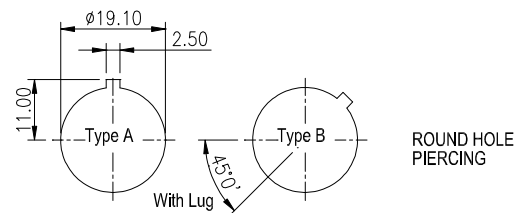
## CK LOCK SWITCH MODULE TERMINAL LAYOUTS (VIEWED FROM THE KEY) POSITION1



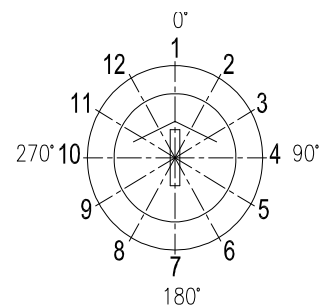
## MOUNTING DETAILS CK LOCK SWITCHES



## ALTERNATE MOUNTING DETAILS FOR BRACKETED CKL, CKIS LOCK SWITCHES

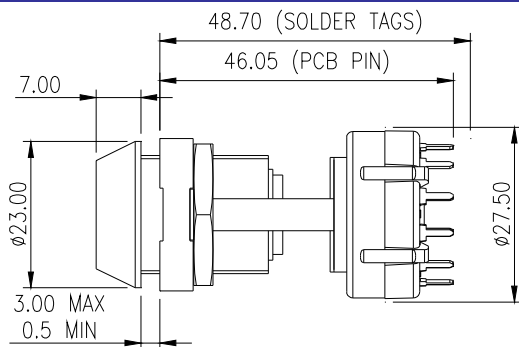


## LOCK MOVEMENT



# CK LOCK SWITCHES

## CKL Lock switch with bracketed CK Module



### DESCRIPTION

**LOCK TYPE:** 8 Disc with built-in anti-pick system.  
**LOCK MOVEMENT:** 90° Steps.  
**LOCK COMBINATIONS:** 2000 differs or all to pass (same key for all locks).  
**KEY TYPE:** Flat, double entry (key can be inserted into the lock either way up).  
**MASTER KEY SYSTEM AVAILABLE:** Yes.  
**MAXIMUM PANEL THICKNESS:** 3.0mm.  
**MODULE TYPE:** Bracketed (the switch module is fitted to a "U" shaped bracket).  
**MODULE INDEXING ANGLES:** 30°, 60°, 90° (keys can only be inserted/withdrawn at 90° intervals)

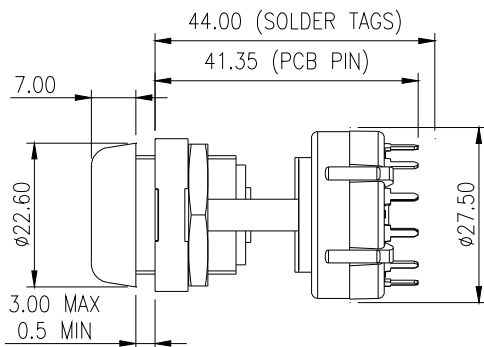
KEY CODE	CONTACT	SWITCH POSITIONS	CONTACT PLATING
S = Same D = Differs	B = BBM M = MBB (30° Index Only)	02 = 2 Positions 03 = 3 Positions 12 = 12 Positions 13 = Continuous Rotation	S = Silver (Standard) G = Gold F = Gold Flash

### ORDERING CODE

Build your part number by filling in the empty boxes with the appropriate numbers and letter

<b>C</b>	<b>K</b>	<b>L</b>							
TOTAL LOCK MOVEMENT		KEY WITHDRAW POSITION		SWITCH INDEX ANGLE		NUMBER OF SWITCH POLES		TERMINATION	
A = 90°		1		3 = 30°		1 = 1 POLE		S = SOLDER	
B = 90°		1,4		6 = 60°		2 = 2 POLE		P = PCB	
C = 180°		1,7		9 = 90°		3 = 3 POLE			
D = 180°		1,4,7				4 = 4 POLE			
E = 360°		1,4,7,10							

## CKIS (Impulsion) Lock switch with bracketed CK Module



### DESCRIPTION

**LOCK TYPE:** 3 Disc impulsion lock (2 position only-spring back to position 1)  
**LOCK MOVEMENT:** 90° Steps.  
**LOCK COMBINATIONS:** 200 differs or all to pass (same key for all locks).  
**KEY TYPE:** Flat, double entry (key can be inserted into the lock either way up).  
**MASTER KEY SYSTEM AVAILABLE:** Yes.  
**MAXIMUM PANEL THICKNESS:** 3.0mm.  
**MODULE TYPE:** Bracketed (the switch module is fitted to a "U" shaped bracket).  
**MODULE INDEXING ANGLES:** 30°, 60°, 90° (keys can only be inserted/withdrawn in position 1).  
**STANDARD CIRCUITRY & KEY FREE POSITIONS:** 1, 2 or 3 pole, 2 positions at 90° only

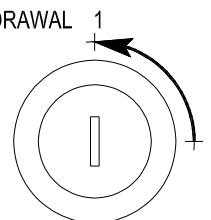
KEY CODE	CONTACT	SWITCH POSITIONS	CONTACT PLATING
S = Same D = Differs	B = BBM	02 = 2 Positions	S = Silver (Standard) G = Gold F = Gold Flash

### ORDERING CODE

Build your part number by filling in the empty boxes with the appropriate numbers and letter

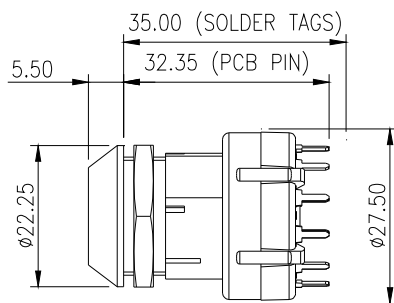
<b>C</b>	<b>K</b>	<b>I</b>	<b>S</b>	<b>A</b>		<b>9</b>	<b>B</b>		<b>0</b>	<b>2</b>		
TOTAL LOCK MOVEMENT		KEY WITHDRAW POSITION		SWITCH INDEX ANGLE		NUMBER OF SWITCH POLES		TERMINATION				
A = 90°		1		9 = 90°		1 = 1 POLE 2 = 2 POLE 3 = 3 POLE		S = SOLDER P = PCB				

KEY WITHDRAWAL POSITIONS



# CK LOCK SWITCHES

## CKL5 Lock switch with Snap on CK Module



KEY CODE
S = Same
D = Differs

CONTACT
B = BBM
M = MBB (30° Index Only)

SWITCH POSITIONS
02 = 2 Positions
03 = 3 Positions
12 = 12 Positions
13 = Continuous Rotation

CONTACT PLATING
S = Silver (Standard)
G = Gold
F = Gold Flash

**C K L 5**

### ORDERING CODE

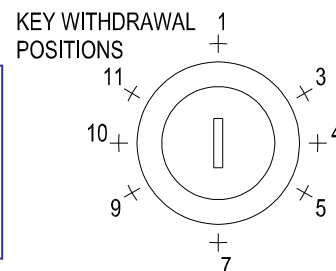
Build your part number by filling in the empty boxes with the appropriate numbers and letter

TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION	TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION
A = 90°	1	G = 180°	1,3,5,7
B = 90°	1,4	H = 60°	1,3
C = 180°	1,7	J = 240°	1,3,5,7,9
D = 180°	1,4,7	K = 120°	1,3,5
E = 360°	1,4,7,10	L = 270°	1,4,7,10
F = 360°	1,3,5,7,9,11	M = 300°	1,3,5,7,9,11

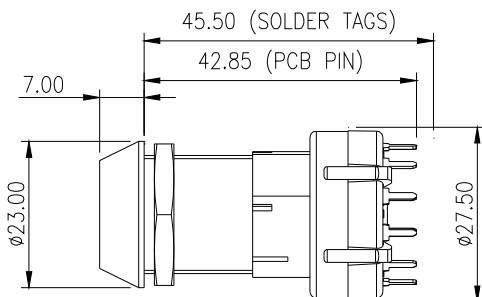
SWITCH INDEX ANGLE
3 = 30°
6 = 60°
9 = 90°

NUMBER OF SWITCH POLES
1 = 1 POLE
2 = 2 POLE
3 = 3 POLE
4 = 4 POLE

TERMINATION
S = SOLDER
P = PCB



## CKL8 Lock switch with Snap on CK Module



KEY CODE
S = Same
D = Differs

CONTACT
B = BBM
M = MBB (30° Index Only)

SWITCH POSITIONS
02 = 2 Positions
03 = 3 Positions
12 = 12 Positions
13 = Continuous Rotation

CONTACT PLATING
S = Silver (Standard)
G = Gold
F = Gold Flash

**C K L 8**

### ORDERING CODE

Build your part number by filling in the empty boxes with the appropriate numbers and letter

TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION	PANEL PIERCING 'A'	TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION	PANEL PIERCING 'B'
A = 30°	1		H = 90°	1+4	
B = 60°	1		J = 120°	1+4	
C = 90°	1		K = 150°	1+4	
D = 120°	1		L = 180°	1+4+7	
E = 150°	1		M = 270°	1+4+7+10	
F = 180°	1+7		N = 260°	1+4+7+10	
G = 360°	1+7				

SWITCH INDEX ANGLE
3 = 30°
6 = 60°
9 = 90°

NUMBER OF SWITCH POLES
1 = 1 POLE
2 = 2 POLE
3 = 3 POLE
4 = 4 POLE

TERMINATION
S = SOLDER
P = PCB

