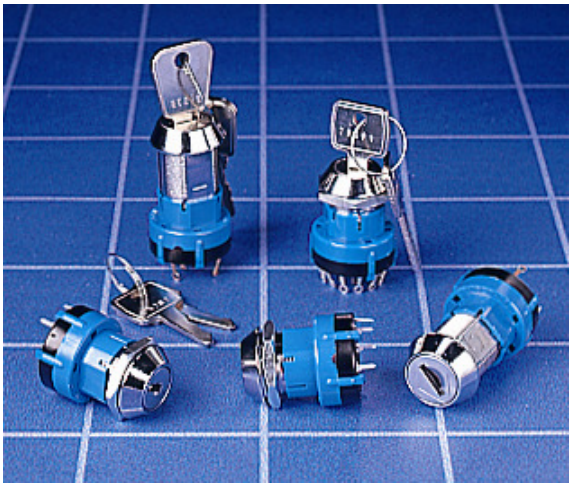
CK LOCK SWITCHES

RoHS COMPLIANT

GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	150mA @ 250V ac/dc resistive load
Life:	>10,000 Cycles
Operating Temperature:	-30ºC to +85 ºC
Proof Voltage:	1,500Vac (Initial)
Insulation Resistance:	>999 MΩ at 500Vdc (Initial)
Contact Resistance:	<20mΩ (initial)
Housing Material:	Polycarbonate
Wafer Material:	Polyamide 6.6 G.F. V0 Rated
Contact/Terminal Material:	Brass CZ108 Ag Plated
Lock Housing:	Zinc Alloy Bright Cr Plated
Keys:	Mild Steel Ni plated



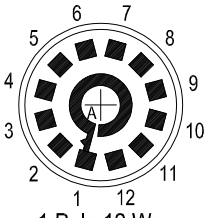
GENERAL FEATURES

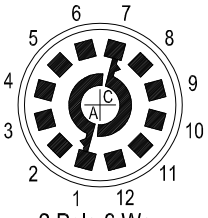
- Made in UK.
- Moulded Single Wafer Lock switch.
- Two part construction. The lock is inserted into the panel from the front. The CK module either bracketed or snap-on, from the rear of the panel.
- Switch indexed 30º, 60º or 90º.
- All contacts are non-shorting (BBM).
- Solder or printed circuit terminals.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

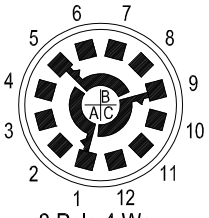
CK LOCK SWITCH MODULE TERMINAL LAYOUTS

(VIEWED FROM THE KEY) POSITION1

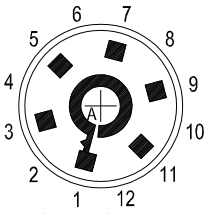
30° INDEXING

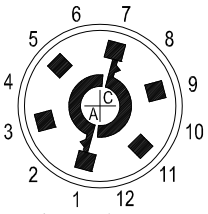


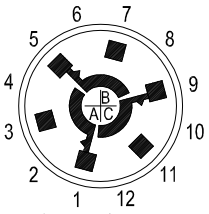




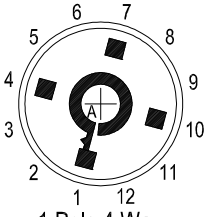
60° INDEXING

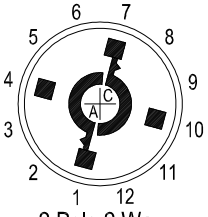


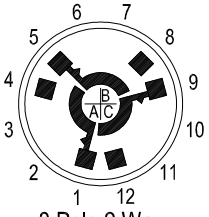




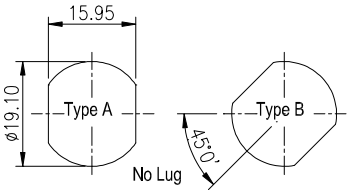
90° INDEXING





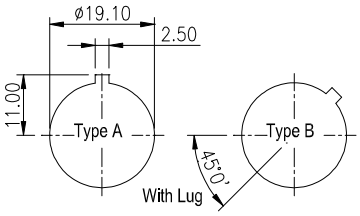


MOUNTING DETAILS CK LOCK SWITCHES



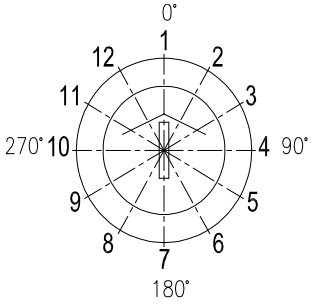
DOUBLE FLAT PIERCING

ALTERNATE MOUNTING DETAILS FOR BRACKETED CKL, CKIS LOCK SWITCHES



ROUND HOLE PIERCING

LOCK MOVEMENT



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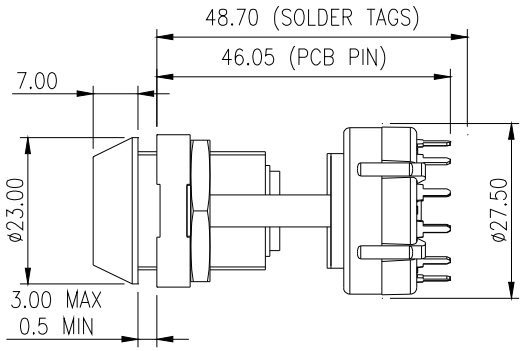
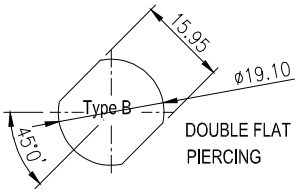
CK LOCK SWITCHES

CKL Lock switch with bracketed CK Module



DESCRIPTION
LOCK TYPE: 8 Disc with built-in anti-pick system.
LOCK MOVEMENT: 90º 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: 30º, 60º, 90º (keys can only be inserted/withdrawn at 90º intervals



KEY CODE
S = Same
D = Differs

CONTACT
B = BBM
M = MBB (30º 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

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

C K L [ ][ ][ ][ ] [ ][ ][ ] [ ][ ]

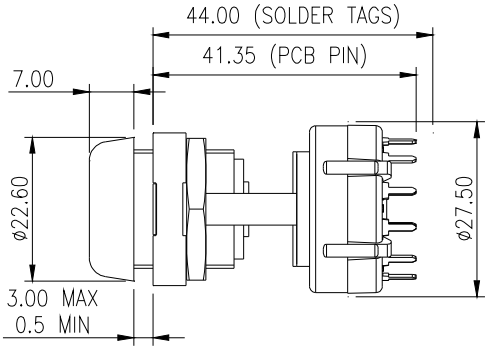
TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION
A = 90º	1
B = 90º	1,4
C = 180º	1,7
D = 180º	1,4,7
E = 360º	1,4,7,10

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

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

TERMINATION
S = SOLDER
P = PCB

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: 90º 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: 30º, 60º, 90º (keys can only be inserted/withdrawn in position 1.
STANDARD CIRCUITRY & KEY FREE POSITIONS: 1, 2 or 3 pole, 2 positions at 90º only

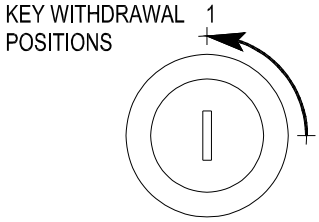
KEY CODE
S = Same
D = Differs

CONTACT
B = BBM

SWITCH POSITIONS
02 = 2 Positions

CONTACT PLATING
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



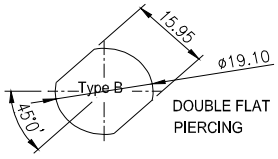
C K I S [A][ ][9][B] [ ][0][2] [ ][ ]

TOTAL LOCK MOVEMENT	KEY WITHDRAW POSITION
A = 90º	1

SWITCH INDEX ANGLE
9 = 90º

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

TERMINATION
S = SOLDER
P = PCB



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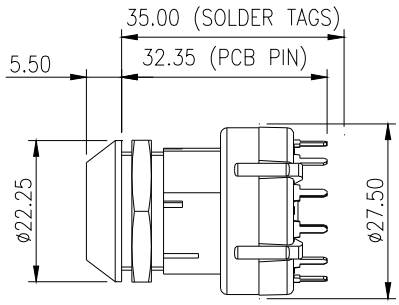
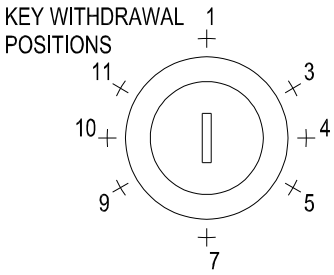
CK LOCK SWITCHES

CKL5 Lock switch with Snap on CK Module



DESCRIPTION
LOCK TYPE: 5 Disc
LOCK MOVEMENT: 60º or 90º Steps.
LOCK COMBINATIONS: 200 differs or all to pass (same key for all locks).
KEY TYPE: Flat, single entry (key can be inserted into the lock only one way up).
MASTER KEY SYSTEM AVAILABLE: Yes.
MAXIMUM PANEL THICKNESS: 3.4mm.
MODULE TYPE: Snap-on
MODULE INDEXING ANGLES: 30º, 60º, 90º (keys can be inserted/withdrawn at 60º or 90º angles).



KEY CODE
S = Same
D = Differs

CONTACT
B = BBM
M = MBB (30º 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

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

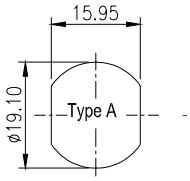
C K L 5 [ ][ ][ ][ ] [ ][ ][ ] [ ][ ]

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

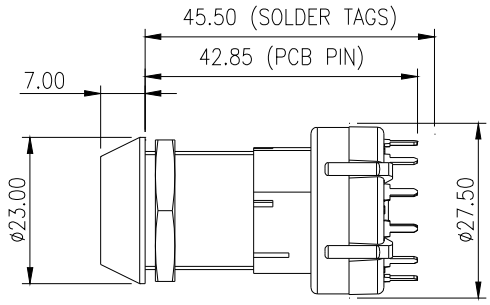
SWITCH INDEX ANGLE
3 = 30º
6 = 60º
9 = 90º

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

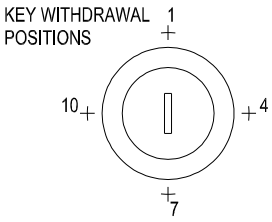
TERMINATION
S = SOLDER
P = PCB



CKL8 Lock switch with Snap on CK Module



DESCRIPTION
LOCK TYPE: 8 Disc
LOCK MOVEMENT: 90º 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: 13.9mm.
MODULE TYPE: Snap-on
MODULE INDEXING ANGLES: 30º, 60º, 90º (but keys can only be inserted/withdrawn at 90º angles).



KEY CODE
S = Same
D = Differs

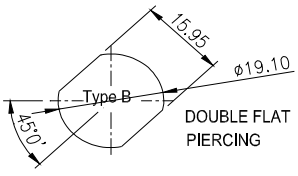
CONTACT
B = BBM
M = MBB (30º Index Only)

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

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

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

C K L 8 [ ][ ][ ][ ] [ ][ ][ ] [ ][ ]



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

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

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

TERMINATION
S = SOLDER
P = PCB

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