

# CKF SEALED ROTARY SWITCH

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	150mA @ 250V ac/dc 1A @ 24V 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:	<20 mΩ (initial)
Operating Torque (nominal)	Standard 10.5 ± 1 N cm Light Action 5.5 ± 0.5 N cm
End Stop Torque (nominal):	0.80 Nm
Moulding Material:	Polyamide 6.6 G.F. V0 RATED
Contact/Terminal Material:	Brass CZ108 Ag Plated

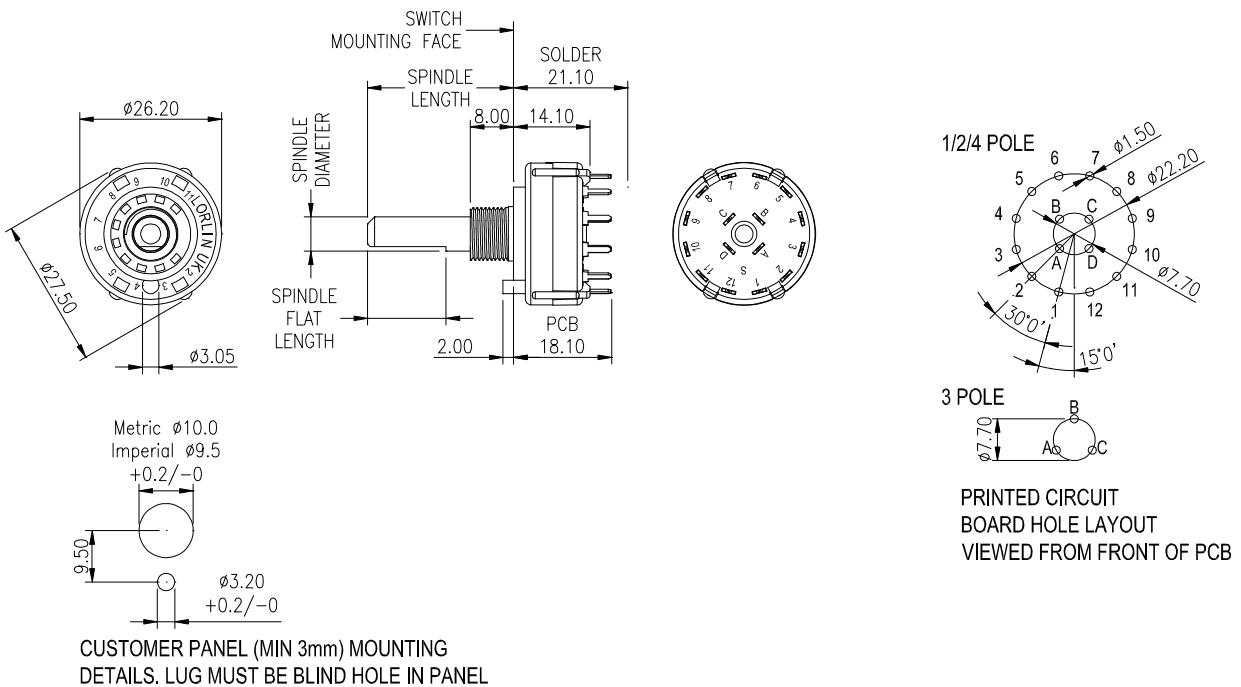
## RoHS COMPLIANT



## GENERAL FEATURES & OPTIONS

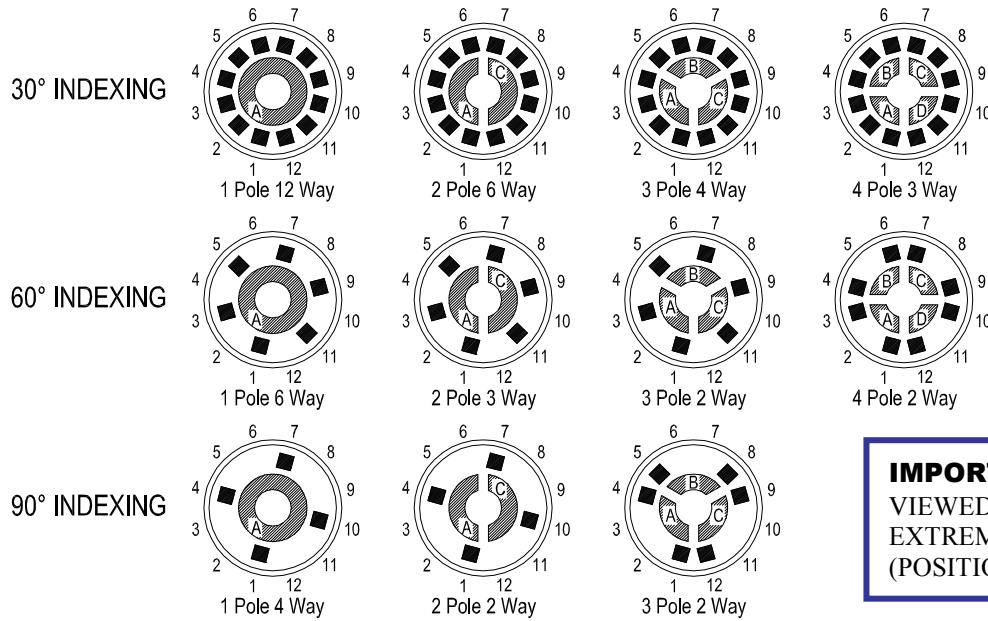
- Made in UK
- Cost effective single wafer switch
- Moulded 27.5mm diameter
- Standard 30° indexing
- Solder or Printed Circuit Board Terminals
- Up to 4 poles per switch
- Maximum 12 positions
- Moulded in UL94 V0 material.
- Optional reinforcement ring.
- Shorting (make before break 30° indexing only) or non shorting (break before make) contacts.
- Special options: 60° or 90° indexing, continuous rotation. Fixed stop, gold flash or gold plated contacts, and spindles with special flats.
- CKF same form, fit & function to the CK range
- Dampened indexing & reduced shaft play gives smooth feel.
- Front panel sealed to IP65

## CKF ROTARY SWITCH SPECIFICATION SHEET



BASIC TYPES	SPINDLE DIAMETER	SPINDLE LENGTH FROM MOUNTING FACE	8mm LONG BUSH	SPINDLE FLAT LENGTH	ANGLE OF SPINDLE FLAT	SPINDLE FLAT THICKNESS
IMPERIAL	6.35mm	38mm	9.52 x 32TPI	30mm	90°	5.5mm
METRIC	6.00mm	50mm	M10 x 0.75	No Flat	---	---

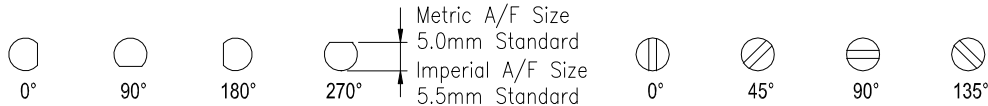
# CKF ROTARY SWITCH



**IMPORTANT** WAFERS FLATS & SLOTS VIEWED FROM THE FRONT OF SWITCH IN EXTREME ANTICLOCKWISE POSITION (POSITION 1)

SPINDLE FLAT ANGLE - AVAILABLE IN 15° INCREMENTS

SCREWDRIVER SLOT - AVAILABLE IN 45° INCREMENTS



## ORDERING CODE FOR NON-STANDARD SWITCHES

EXISTING CK PARTS MAY BE ORDERED AS CKF TYPE BY CHANGING PART NUMBER TO START WITH CKF



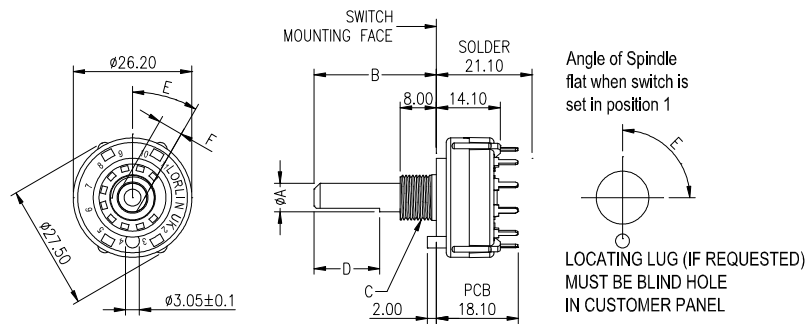
SPINDLE LENGTH  
FMF IN FULL MM

Index Angles & NO. OF POLES	NO OF WAYS (POSITIONS)	MBB or BBM	Contact Type	Contact Plating	SPINDLE DIAM.	SPINDLE FLAT DEPTH	BUSH DIAM.	LENGTH OF SPINDLE FLAT	ANGLE OF FLAT (°)
A 30° 1Pole	A 2	A BBM	Solder	SILVER	A 6mm	Nil	M10	A 2 N 15	A 0 N 195
B 2	B 3	B MBB	Solder		B 6mm	5mm	M10	B 3 O No Flat	B 15 O
C 3	C 4	C BBM	PCB		C 6.35mm	Nil	9.52 mm	C 4 P 16	C 30 P 210
D 4	D 5	D MBB	PCB		D 6.35mm	5.5mm	9.52 mm	D 5 Q 17	D 45 Q 225
E 60° 1Pole	E 6	E BBM	Solder	GOLD PLATE	E 6mm	Nil	M10	E 6 R 18	E 60 R 240
F 2	F 7	F MBB	Solder		F 6mm	5mm	M10	F 7 S 19	F 75 S 255
G 3	G 8	G BBM	PCB		G 6.35mm	Nil	9.52 mm	G 8 T 20	G 90 T 270
H 4	H 9	H MBB	PCB		H 6.35mm	5.5mm	9.52 mm	H 9 U 21	H 105 U 285
I 90° 1Pole	I 10	I BBM	Solder	GOLD FLASH	I 6mm	Nil	M10	I 10 V 22	I 120 V 300
J 2	J 11	J MBB	Solder		J 6mm	5mm	M10	J 11 W 23	J 135 W 315
K 3	K 12	K BBM	PCB		K 6.35mm	Nil	9.52 mm	K 12 X 24	K 150 X 330
Z No Stop	L MBB	L MBB	PCB		L 6.35mm	5.5mm	9.52 mm	L 13 Y 25	L 165 Y 345
								M 14 Z Full	M 180

PLEASE COMPLETE THE SPECIFICATION DRAWING IF YOUR DETAILS CANNOT BE FULLFILLED BY USING THE ORDERING CODE & CONFIRM WITH LORLIN SALES BEFORE ORDERING. TOOLING CHARGES CAN APPLY FOR SPINDLES THAT DO NOT HAVE FLATS THAT RUN THE FULL SPINDLE LENGTH

# CKF ROTARY SWITCH

## SPECIFICATION SHEET



CUSTOMER TO COMPLETE OR DELETE AS REQUIRED

	A	B	C
IMPERIAL	Ø6.35		Ø9.52 x 32TPI
METRIC	Ø6.00		M10 x 0.75

	D	E	F
IMPERIAL			
METRIC			

INDEXING				INDEXING				INDEXING				INDEXING			
<p>1 POLE</p>				<p>2 POLE</p>				<p>3 POLE</p>				<p>4 POLE</p>			
POSITIONS				POSITIONS				POSITIONS				POSITIONS			
MBB	BBM	SOL	PCB	MBB	BBM	SOL	PCB	MBB	BBM	SOL	PCB	MBB	BBM	SOL	PCB

**IMPORTANT!** WAFERS FLATS & SLOTS VIEWED FROM THE FRONT OF SWITCH IN EXTREME ANTICLOCKWISE POSITION (POSITION 1)

SPECIAL REQUIREMENTS

**OPTIONS** Stops are adjustable 2-12 positions. Continuous rotation (No Stops) available. Make before break (MBB) or Break before Make (BBM) rotors available. Solder Tag (SOL) or PCB pin (PCB) – indicate on wafer.

CUSTOMER:

DATE:

CUSTOMER REFERENCE NUMBER: