LORLIN

ROTARY SWITCH

CK

CK ROTARY SWITCH

ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	1A @ 24V ac/dc	**Life:**	>10,000 Cycles
Proof Voltage:	1,500V ac (Initial)	**Operating Torque (nominal):**	Standard 8.6 ±1 cNm
Insulation Resistance:	>999 MΩ at 500V dc (Initial)		Light Action 3.5 ± 0.5 cNm
Contact Resistance	<20 mΩ (Initial)	**End Stop Torque (nominal):**	0.80 Nm
Contact/Terminal Material:	Brass CZ108 Ag Plated	**Moulding Material:**	Polyamide 6.6 G.F
Operating Temperature:	-30°C to +85°C		

FEATURES

Single wafer switch

Maximum 12 positions

Up to 4 poles per switch

Standard 30° indexing, 60° and 90° available

Moulded 27.5mm diameter

Shorting (make before break 30° indexing only) or non-shorting (break before make)

Moulded stop or adjustable stops to restrict number of positions

Continuous rotation also available

Made in UK

UL-V0 rated material available

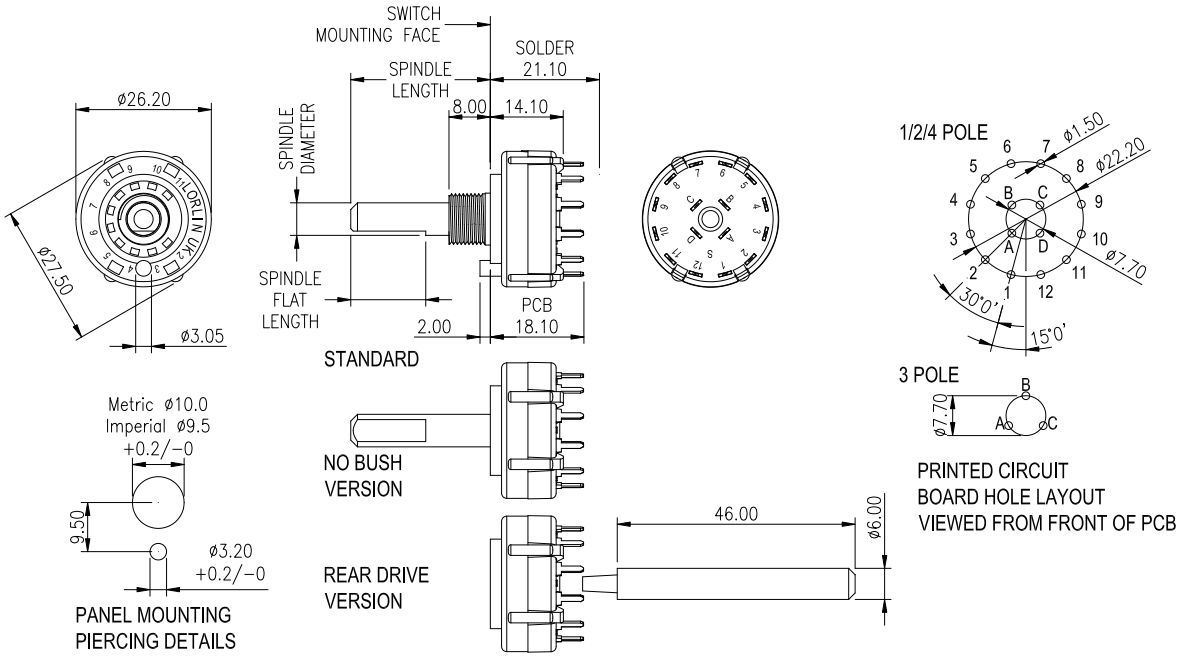
Solder or PCB terminals

Gold flashed or gold plated terminals/contacts available

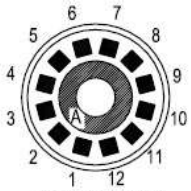
Spindles with special flats, slots or knurls

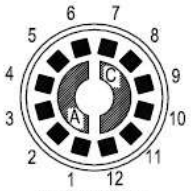
Rear drive versions

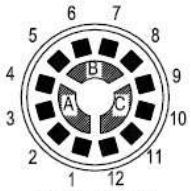
No bush versions

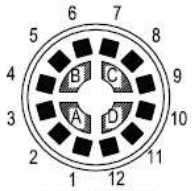


30° INDEXING

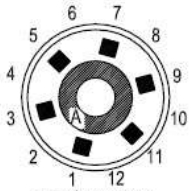


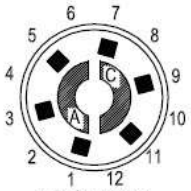


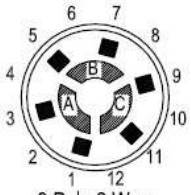


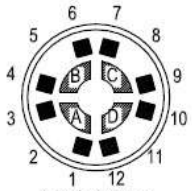


60° INDEXING

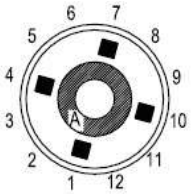


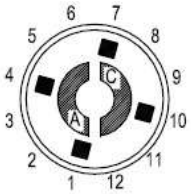


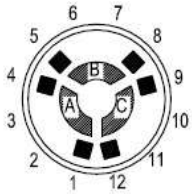




90° INDEXING







IMPORTANT Wafers flats and slots shown as viewed from the front of the switch in the furthest anti-clockwise position

SPINDLE FLAT ANGLE - AVAILABLE IN 15° INCREMENTS



SCREWDRIVER SLOT - AVAILABLE IN 45° INCREMENTS



ORDERING CODE FOR NON-STANDARD SWITCHES

C	K								

SPINDLE LENGTH FMF IN FULL MM

Index Angles & NO. OF POLES		
A	30°	1Pole
B		2
C		3
D		4
E	60°	1Pole
F		2
G		3
H		4
I	90°	1Pole
J		2
K		3

NO OF WAYS (POSITIONS)	
A	2
B	3
C	4
D	5
E	6
F	7
G	8
H	9
I	10
J	11
K	12
Z	No Stop

	MBB or BBM	Contact Type	Contact Plating
A	BBM	Solder	SILVER
B	MBB*	Solder	SILVER
C	BBM	PCB	SILVER
D	MBB*	PCB	SILVER
E	BBM	Solder	GOLD PLATE
F	MBB*	Solder	GOLD PLATE
G	BBM	PCB	GOLD PLATE
H	MBB*	PCB	GOLD PLATE
I	BBM	Solder	GOLD FLASH
J	MBB*	Solder	GOLD FLASH
K	BBM	PCB	GOLD FLASH
L	MBB*	PCB	GOLD FLASH

	SPINDLE DIAM.	SPINDLE FLAT DEPTH	BUSH DIAM.
A	6mm	Nil	M10
B	6mm	5mm	M10
C	6.35mm	Nil	9.52 mm
D	6.35mm	5.5mm	9.52 mm

LENGTH OF SPINDLE FLAT			
A	2	N	15
B	3	O	No Flat
C	4	P	16
D	5	Q	17
E	6	R	18
F	7	S	19
G	8	T	20
H	9	U	21
I	10	V	22
J	11	W	23
K	12	X	24
L	13	Y	25
M	14	Z	Full

ANGLE OF FLAT (°)			
A	0	N	195
B	15	O	
C	30	P	210
D	45	Q	225
E	60	R	240
F	75	S	255
G	90	T	270
H	105	U	285
I	120	V	300
J	135	W	315
K	150	X	330
L	165	Y	345
M	180		

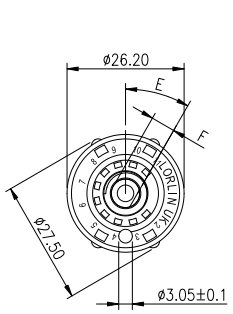
*30° INDEX ANGLE ONLY

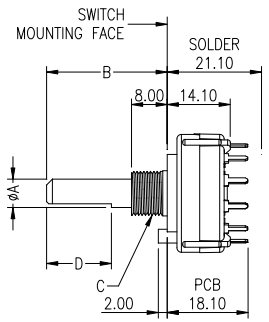
STANDARD PART NUMBERS

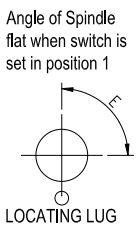
BASIC TYPES	SPINDLE DIAMETER	SPINDLE LENGTH FROM MOUNTING FACE	8mm LONG BUSH	SPINDLE FLAT LENGTH	ANGLE OF SPINDLE FLAT	SPINDLE FLAT THICKNESS
IMPERIAL	6.35mm	38mm	9.52 x 32 TPI	30mm	90°	5.5mm
METRIC	6.00mm	50mm	M10 x 0.75	No Flat	-	-

CIRCUITRY AT 30° INDEXING	PLATING FINISH	STANDARD METRIC		STANDARD IMPERIAL	
		Shorting (MBB)	Non- Shorting (BBM)	Shorting (MBB)	Non- Shorting (BBM)
1 POLE 12 POSITION		**STOP INCLUDED**			
Solder Tag	Silver	CK1039	CK1029	CK1034	CK1024
	Gold Flash	CK1508	CK1503	CK1516	CK1520
	Gold Plate	CK2444	CK1672	CK2458	CK2459
Printed Circuit Board	Silver	CK1059	CK1049	CK1054	CK1044
	Gold Flash	CK1512	CK1506	CK1524	CK1528
	Gold Plate	CK1475	CK1312	CK2460	CK2461
1 POLE 12 POSITION		**CONTINUOUS ROTATION**			
Solder Tag	Silver	CK1038	CK1028	CK1033	CK1023
	Gold Flash	CK1533	CK1537	CK1541	CK1545
	Gold Plate	CK2445	CK2446	CK2462	CK2463
Printed Circuit Board	Silver	CK1058	CK1048	CK1053	CK1043
	Gold Flash	CK1534	CK1538	CK1542	CK1546
	Gold Plate	CK2447	CK2448	CK2464	CK2465
2 POLE 6 POSITION		**STOP INCLUDED**			
Solder Tag	Silver	CK1040	CK1030	CK1035	CK1025
	Gold Flash	CK1509	CK1496	CK1517	CK1521
	Gold Plate	CK2449	CK1726	CK2466	CK2467
Printed Circuit Board	Silver	CK1060	CK1050	CK1055	CK1045
	Gold Flash	CK1513	CK1473	CK1525	CK1529
	Gold Plate	CK2450	CK1850	CK2468	CK2469
2 POLE 6 POSITION		**CONTINUOUS ROTATION**			
Solder Tag	Silver	CK1114	CK1118	CK1120	CK1121
	Gold Flash	CK1535	CK1539	CK1543	CK1547
	Gold Plate	CK2451	CK2452	CK2470	CK2471
Printed Circuit Board	Silver	CK1119	CK1113	CK1122	CK1089
	Gold Flash	CK1536	CK1540	CK1544	CK1548
	Gold Plate	CK2453	CK2454	CK2472	CK2473
3 POLE 4 POSITION		**STOP INCLUDED**			
Solder Tag	Silver	CK1041	CK1031	CK1036	CK1026
	Gold Flash	CK1510	CK1504	CK1518	CK1522
	Gold Plate	CK2455	CK1577	CK2474	CK2475
Printed Circuit Board	Silver	CK1061	CK1051	CK1056	CK1046
	Gold Flash	CK1514	CK1500	CK1526	CK1530
	Gold Plate	CK2456	CK1952	CK2476	CK2477
4 POLE 3 POSITION		**STOP INCLUDED**			
Solder Tag	Silver	CK1042	CK1032	CK1037	CK1027
	Gold Flash	CK1511	CK1505	CK1519	CK1523
	Gold Plate	CK1673	CK1822	CK2478	CK2479
Printed Circuit Board	Silver	CK1062	CK1052	CK1057	CK1047
	Gold Flash	CK1515	CK1507	CK1527	CK1531
	Gold Plate	CK2457	CK1953	CK2480	CK2481

CUSTOMER TO COMPLETE OR DELETE AS REQUIRED



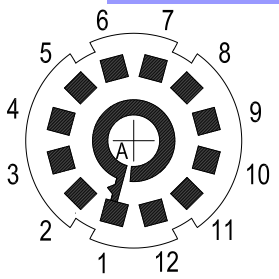




	A	B	C
IMPERIAL	Ø6.35		Ø9.52 x 32TPI
METRIC	Ø6.00		M10 x 0.75

	D	E	F
IMPERIAL			
METRIC			

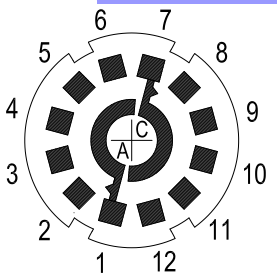
INDEXING



1 POLE

POSITIONS			
MBB	BBM	SOL	PCB

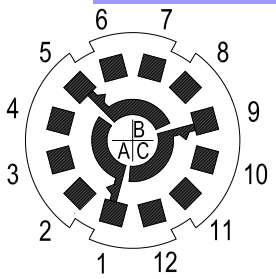
INDEXING



2 POLE

POSITIONS			
MBB	BBM	SOL	PCB

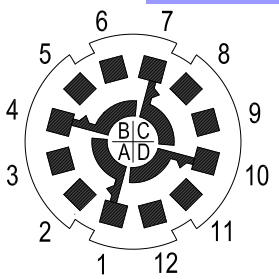
INDEXING



3 POLE

POSITIONS			
MBB	BBM	SOL	PCB

INDEXING



4 POLE

POSITIONS			
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: