LORLIN

ROTARY SWITCH

BCK ROTARY SWITCH

ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	150mA @ 50V ac/dc	**Life:**	>10,000 Cycles
Proof Voltage:	250V ac (Initial)	**Operating Temperature:**	-30°C to +85°C
Insulation Resistance:	>999 MΩ at 500V dc (Initial)		
		Operating Torque (nominal):	Standard 4.7 ± 0.5 cNm
Contact Resistance	<50 mΩ (Initial)	**End Stop Torque (nominal):**	0.8 Nm
Terminal Material:	Brass, CZ108 Sn Plated	**Housing/Bush Material**	Polyamide 6.6 G.F

FEATURES

Binary coded Hexadecimal and complimentary versions

Adjustable stops to restrict number of positions

Spindles with special flats, slots or knurls   Made in the UK

Standard 22.5° indexing

Moulded 27.5mm diameter

UL-V0 rated material option

PCB Terminals
+ extra stabilising terminals

Standard silver contacts, gold flashed or gold plated also available
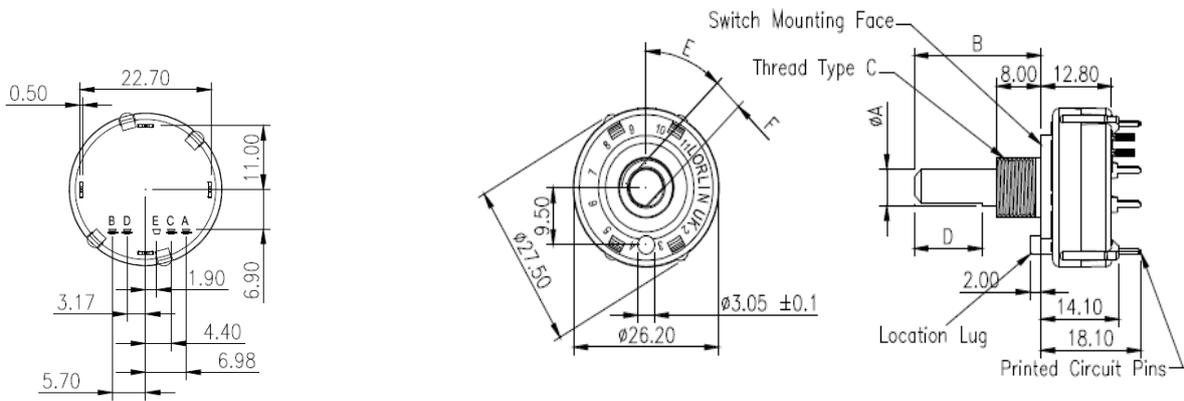
STANDARD PART NUMBERS

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 32TPI	30mm	90°	5.5mm
METRIC	6.00mm	50mm	M10 x 0.75	No Flat	---	---

	STANDARD METRIC		STANDARD IMPERIAL	
	Stop	No Stop	Stop	No Stop
Hex (Code 033) – Standard Spindle	BCK1002 (no lug)	BCK1001 (no lug)	BCK1006 (lug)	BCK1005 (lug)
Comp (Code 043) – Standard Spindle	BCK1004 (no lug)	BCK1003 (no lug)	BCK1008 (lug)	BCK1007 (no lug)
Hex (Code 033) – Flush Slot	-	BCK1009 (lug)	BCK1014 (lug)	-
Comp (Code 042) – Flush Slot	-	-	BCK1019 (lug)	BCK1020 (lug)

(Please see drawing detail for lug reference)

Position	COMMON E Connection to Terminals			
	A	B	C	D
1	•			
2		•		
3	•	•		
4			•	
5	•		•	
6		•	•	
7	•	•	•	
8				•
9	•			•
A		•		•
B	•	•		•
C			•	•
D	•		•	•
E		•	•	•
F	•	•	•	•
0				

LORLIN BINARY CODED HEXADECIMAL
START AT POSTION 1 – 16 POSITIONS

CODE 033

Position	COMMON E Connection to Terminals			
	A	B	C	D
0				
1				•
2			•	
3			•	•
4		•		
5		•		•
6		•	•	
7		•	•	•
8	•			
9	•			•
A	•		•	
B	•		•	•
C	•	•		
D	•	•		•
E	•	•	•	
F	•	•	•	•

LORLIN BINARY CODED HEXADECIMAL
START AT POSITION 0 – 16 POSITIONS

CODE 042

Position	COMMON E Connection to Terminals			
	A	B	C	D
F	•	•	•	•
E	•	•	•	
D	•	•		•
C	•	•		
B	•		•	•
A	•		•	
9	•			•
8	•			
7		•	•	•
6		•	•	
5		•		•
4		•		
3			•	•
2			•	
1				•
0				

LORLIN BINARY CODED HEXADECIMAL
START AT POSITION F - 16 POSITIONS

CODE 043

SPINDLE DIMENSIONS

BASIC TYPES	A SPINDLE DIAMETER	B SPINDLE LENGTH FROM MOUNTING FACE	C 8mm LONG BUSH	D SPINDLE FLAT LENGTH	E ANGLE OF SPINDLE FLAT	F SPINDLE FLAT DEPTH
IMPERIAL	6.35mm	38mm	9.52 x 32TPI	30mm	90º	5.5mm
METRIC	6.00mm	50mm	M10 x 0.75	No Flat	---	---

STANDARD SCREWDRIVER SLOT ANGLES

Standard screwdriver slots are 1.2mm wide and 1.5mm deep.

0°   45°   90°   135°

TYPICAL SPINDLE DETAILS

0°   90°   180°   270°

Orientation with location lug in position shown.

EXAMPLE
Screwdriver slot level with top of threaded fixing bush 1.2mm wide x 1.5mm deep (standard) at 90º (standard)

BCK ORDERING: DETAILS NEEDED

1. Switching Code
2. Imperial or Metric Spindle Diameter
3. Dimension (B) Spindle length from Mounting Face
4. Thread Required (C)
5. Spindle Flat length if required (D)
6. Angle of Flat (E)
7. Spindle Flat Depth (F)
8. 16 Position or No Stop Version
9. Contact Plating: Silver/Gold Flash/2.5 microns Gold Plate
10. Location Lug if required