LORLIN

ROTARY SWITCH

BCK

BCK ROTARY SWITCH

ELECTRICAL & MECHANICAL SPECIFICATION

Switch Rating:	150mA @ 24V ac/dc
Proof Voltage:	250V ac (Initial)
Insulation Resistance:	>999 MΩ at 500V dc (Initial)
Contact Resistance	<50 mΩ (Initial)
Terminal Material:	Brass, CZ108 Sn Plated
Life:	>10,000 Cycles
Operating Temperature:	-30°C to +85°C
Operating Torque (nominal):	Standard 4.7 ± 0.5 cNm
End Stop Torque (nominal):	0.8 Nm
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

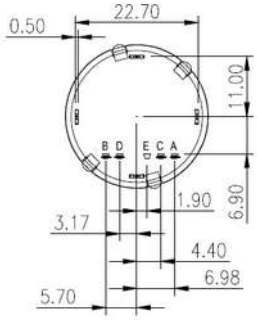
Standard 22.5° indexing

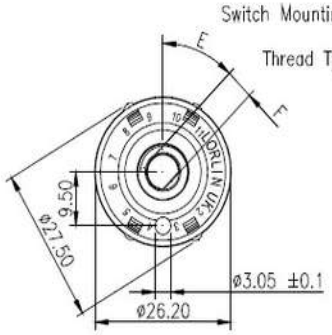
Moulded 27.5mm diameter

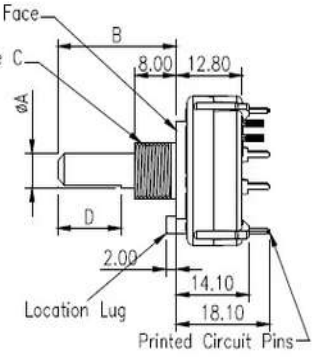
UL-V0 rated material option

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 POSITION 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	90°	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.



TYPICAL SPINDLE DETAILS



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 90° (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