

# BCK BINARY CODED ROTARY SWITCH

## GENERAL ELECTRICAL & MECHANICAL SPECIFICATION

**RoHS COMPLIANT**

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



## GENERAL FEATURES

- Made in UK
- Binary coded Hexadecimal and complimentary versions.
- Moulded 27.5mm diameter single wafer switch.
- Standard 22.5° indexing
- Printed Circuit Terminals.
- Adjustable stop to restrict number of positions or continuous rotation.
- Special options include UL-V0 rated material, gold flashed or gold plated (2.5 microns gold over 2 microns nickel) contacts, spindles with special flats or slots.

## STANDARD PART NUMBER

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)

DIAL	COMMON E Connection to Terminals			
	A	B	C	D
1	•			
2		•		
3	•	•		
4			•	
5	•		•	
6		•	•	
7	•	•	•	
8				•
9	•			•
10		•		•
11	•	•		•
12			•	•
13	•		•	•
14		•	•	•
15	•	•	•	•
16				

LORLIN BINARY CODED HEXADECIMAL COMPLIMENTARY COMMON –16 POSITIONS

**CODE 033**

DIAL	COMMON E Connection to Terminals			
	A	B	C	D
1				
2				•
3			•	
4			•	•
5		•		
6		•		•
7		•	•	
8		•	•	•
9	•			
10	•			•
11	•		•	
12	•		•	•
13	•	•		
14	•	•		•
15	•	•	•	
16	•	•	•	•

LORLIN BINARY CODED HEXADECIMAL NON COMPLIMENTARY COMMON –16 POSITIONS

**CODE 042**

DIAL	COMMON E Connection to Terminals			
	A	B	C	D
1	•	•	•	•
2	•	•	•	
3	•	•		•
4	•	•		
5	•		•	•
6	•		•	
7	•			•
8	•			
9		•	•	•
10		•	•	
11		•		•
12		•		
13			•	•
14			•	
15				•
16				

LORLIN BINARY CODED HEXADECIMAL COMPLIMENTARY COMMON –16 POSITIONS

**CODE 043**

