

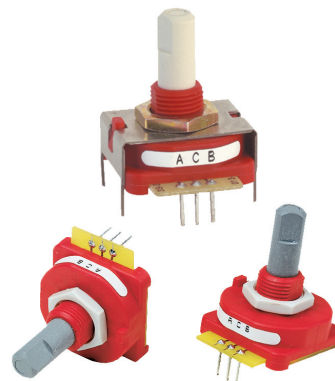
SERIES 25L

Hex, Gray and Quadrature Code

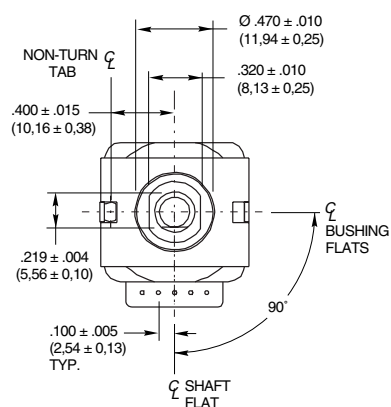
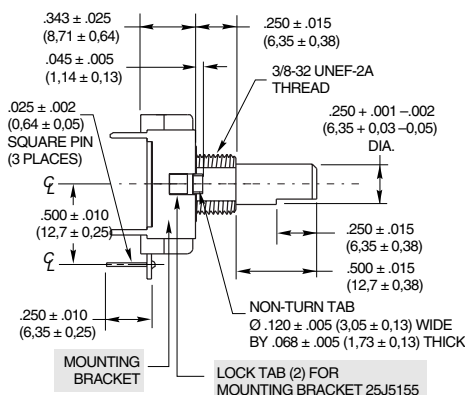
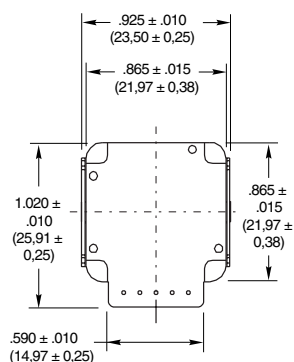


FEATURES

- Price Competitive to Similar Designs
- Quality Construction and Contact Materials
- Multiple Code and Indexing Choices
- 100,000 Life Cycles
- Less than 1.0" Square
- Manufactured to ISO 9001 Standards



DIMENSIONS In inches (and millimeters)



TRUTH TABLES

Clockwise Rotation					
4-Bit Gray Code-16 Position					
Switch Position	Code Position	Output			
		1	2	4	8
1	0				
2	1	●			
3	2	●	●		
4	3		●		
5	4		●	●	
6	5	●	●	●	
7	6	●		●	
8	7			●	
9	8			●	●
10	9	●		●	●
11	10	●	●	●	●
12	11		●	●	●
13	12		●		●
14	13	●	●		●
15	14	●			●
16	15				●

- Indicates closed circuit; blank indicates open circuit.

Clockwise Rotation					
4-Bit Binary Code Hexadecimal-16 Position					
Switch Position	Code Position	Output			
		1	2	4	8
1	0				
2	1	●			
3	2		●		
4	3	●	●		
5	4			●	
6	5	●		●	
7	6		●	●	
8	7	●	●	●	
9	8				●
10	9	●			●
11	10		●		●
12	11	●	●		●
13	12			●	●
14	13	●		●	●
15	14		●	●	●
16	15	●	●	●	●

- Indicates closed circuit; blank indicates open circuit.

Clockwise Rotation		
Quadrature 2-Bit Code 1/4 Cycle per Detent		
Switch Position	"A"	Output "B"
1		
2	●	
3	●	●
4		●
5		
6	●	
7	●	●
8		●
9		
10	●	
11	●	●
12		●
13		
14	●	
15	●	●
16		●
17		
18	●	
19	●	●
20		●
21		
22	●	
23	●	●
24		●
25		
26	●	
27	●	●
28		●
29		
30	●	
31	●	●
32		●
33		
34	●	
35	●	●
36		●

- Indicates closed circuit; blank indicates open circuit. Code repeats every 4 positions.

SPECIFICATIONS

Electrical Ratings

Switching Loads: 1.5 mA at 115 Vac, resistive;
150 mA at 14 Vdc, resistive

Current Carrying Capacity: 250 mA
maximum at 28 Vdc, resistive load

Contact Resistance: 75 mΩ, typical

Insulation Resistance: 1000 mΩ minimum
between terminals

Voltage Breakdown: 1000 Vac minimum
between terminals

Life Expectancy: 100,000 cycles of operation at
rated loads. One cycle of operation is a rotation
through all of the active positions and a return to
the starting position.

Mechanical Ratings

Rotational Torque: 2 to 6 in-oz

Operating Temperature Range: -40°C to +85°C

Storage Temperature Range: -65°C to +85°C

Continuous Rotation: All standard switches
are continuous rotation. Desired stop locations
supplied upon request.

Anti-Rotation Device: Integral non-turn tab,
flatted bushing, .375" diameter, .320 double "D"
across flats.

Termination: Standard is PC style, parallel to
shaft, facing rear. Options include PC, parallel to
shaft, facing front.

Panel Mounting Torque: 10 in-lbs maximum

Materials and Finishes

Bushing/Housing and Shaft/Rotor: Reinforced
thermoplastic

Detent Ball: Stainless steel, nickel-plated

Detent Spring: Tinned music wire

Contacts: Beryllium copper, gold plate over
nickel

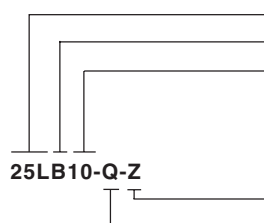
Terminals: Copper alloy, #725, 100% tin plate
over nickel plate

Output Board: FR-4, copper/nickel-plated

Mounting Nut: Brass, tin/zinc-plated hex nut

Mounting Bracket: Stainless Steel, tin-plated

ORDERING INFORMATION



Series: 25L = Economical, single deck encoder

Housing Color: B = Black housing; R = Red housing

Angle of Throw: 10 = 10°, 36 positions; 11 = 11.25°, 32 positions;
15 = 15°, 24 positions; 18 = 18°, 20 positions;
22 = 22.5°, 16 positions; 30 = 30°, 12 positions;
45 = 45°, 8 positions

Mounting Bracket: Z = with bracket, Blank = no bracket

Code Output: H = Hexadecimal available only in 22.5°

G = Gray available only in 22.5°

Q = Quadrature (2-bit)

Custom materials, styles, color and markings are available. Custom knobs available, see page I-57.

Available from your local Grayhill Distributor. For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.
For Custom codes. Termination, Tirque, Angles of Throw, Call Grayhill for more information.

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9