

SERIES 24

1" Diameter, 1 Amp, .580" Behind Panel

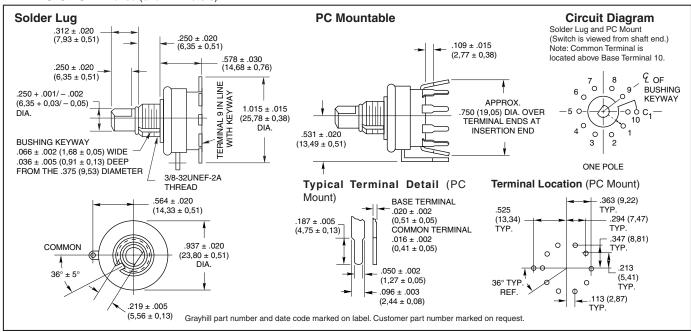
FEATURES

- Positive Detent Provides Operator Feedback
- Stainless Steel or Plastic Shaft Option
- Unsurpassed Performance in Numerous Applications





DIMENSIONS in inches (and millimeters)



SPECIFICATIONS

Electrical Rating

Rated: To make and break the following loads: 1 amp at 115 Vac, resistive; 0.5 amp at 220 Vac resistive; 1/4 amp, 115 Vac inductive; 1/50 amp, 115 Vdc inductive; 1/10 amp, 6 to 28 Vdc inductive; 1/10 amp, 115 Vdc resistive; 1 amp, 6 to 28 Vdc resistive; to carry 10 amps continuously.

Contact Resistance: 10 milliohms initial. After 25,000 cycles of operation 20 milliohms maximum.

Insulation Resistance: 50,000 Mohms minimum initially

Voltage Breakdown: 1,000 Vac, (500 Vac, or better after most environmental tests).

Life Expectancy: 100,000 mechanical cycles of operation normally. NOTE: Actual life is determined by a number of factors, including electrical loading, rate of rotation, and environment, as well as maximum contact resistance, minimum insulation resistance, and minimum voltage breakdown required at the end of life.

Materials and Finishes

Switch Base: Melamine per (MIL-M-14) ASTM-D-5948

Cover, Stop Washers, Bushing: Brass, tin/zinc-plated

Contacts: Both shorting and non-shorting wiping contacts have over 300 grams contact force.

Retaining Rings, Stop Arms, and Thrust Washers: Stainless steel

Detent Balls: Steel, nickel-plated **Shafts:** Stainless steel, or plastic

Detent: Opposing spring and ball in a hill and valley raceway.

Detent Springs: Tinned music wire

Terminals (except common): Brass, tin plated.

Rotor Contact: Steel shaft version—phosphor bronze, silver-plated .0003" minimum. Plastic shaft version—silver alloy.

Stator (Base) Contact: Brass, silver-plated .0003" minimum

Common Plate, including Solder Lug or PC Tab: Brass, silver-plated .0003" minimum Rotor Mounting Plate: Nylon fabric-based laminated phenolic per MIL-T-15047

Mounting Nut: Brass, tin/zinc-plated or stainless steel.

Additional Characteristics

Stop Strength: 12 in-lbs Rotational Torque: 12 in-ozs

Shaft Flat Orientation: Opposite point of contact (See circuit diagram.)

Environmental: These switches have passed the following environmental testing: Altitude and temperature, 100 hour salt spray; Vibration 10 to 500 cps; Shock 30-G; Humidity; Fungus.

PC Mount: PC Switches are furnished with 10 base terminals for mounting purposes.

STANDARD OPTIONS

Special Terminals RFI Grounding

Not available through distributors.

ORDERING INFORMATION

Switches are single deck, one pole switches of 2 to 10 positions. They have plastic or steel shaft, with solder lug or PC terminals, with either shorting or non-shorting contacts (plastic shaft PC mount in non-shorting only). Ten position switches have continuous rotation; fixed stop switch with a metal shaft is available by special order. Base part numbers are as follows:

Lug style, steel shaft: 24001-X* Lug style, plastic shaft: 24B36-01-1-X* PC style, steel shaft: 24878-X* PC style, plastic shaft: 24P36-01-1-X*

The X is replaced with the number of positions required (02, 03, etc.) Complete the part number by adding N for non-shorting contacts or S for shorting contacts.

Available from your local Grayhill Distributor.

For prices and discounts, contact a local Sales Office, an authorized local Distributor or Grayhill.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rotary Switches category:

Click to view products by Grayhill manufacturer:

Other Similar products are found below:

57HS22-02-2-06N 57M22-02B16N 57M22-09A16N M3786/4-0881 M3786/4-3267 M3786/4-5568 M3786/4-6029 71ESF30-05204N MC06L1NCGF 84986-26 9003K2C003GA PLR3251 PLR3262 PS3 A0142M2SP A019605 A029303 R2AA4455NNNN R2BB4455NNNN DR75-AMSF-10R-B 14-520.0360 1703.3201 HW1MS-0202-101 24002-03S A029101 ACSNO-129-YB-C1014 ACSNO-134-RR-YB-C1005 ACSNO-353-SB-C3016 1825537-4 T505 T505E 24005-03N H10207RR01Q M3786/4-0002 M3786/4-0630 M3786/4-1028L M3786/4-1233L M3786/4-3044 M3786/4-3129 M3786/4-5008L M3786/4-5256 MC6CX1A502X009 42HS36-01-1-06N 42P36-03B10S 44MBS60-04-2-03N 44MG90-02-1-02N 50KMT90-01-2-02N 51A22-01-1-16S 51CDP30-01PAJN 51KSP30-01D04N