


Shock Resistance: Test 1: 100g for 6 mS, half-sine wave with velocity change of 12.3 ft/s. Test 2: 100g for 6 mS, sawtooth wave with velocity change of 9.7 ft/s.

Materials and Finishes

Bushing: Aluminum
Code Housing: Hiloy 610B
Shaft: Stainless steel
Retaining Ring: Stainless steel
Code Rotor and Aperture: Chemically etched stainless steel/electroformed nickel

Printed Circuit Board: NEMA Grade FR-4. Five microinches minimum gold over 100 microinches minimum nickel over copper
Optical Barrier: Polyphenylene sulfide, 94 V-0
Backplate: Polyester
Header: Phosphor bronze, 200 microinches tin over 50 microinches nickel (pin version only)
Infrared Emitter: Gallium aluminum arsenide
Photo IC: Planar silicon
Cable: 26 AWG, stranded/tinned wire, PVC coated on .100 (2,54) centers (cable version only)

ORDERING INFORMATION



61RS256 - 060

Series
Style: K = Standard, 4-pin, high resolution
 KS = Sealed, 4-pin, high resolution
 R = Standard, 5-pin, high resolution
 RS = Sealed, 5-pin, high resolution
Cycles: per channel per revolution = 25, 32, 50, 64, 100, 128, 256

Cable Termination: 060 = 6.0in. Cable is terminated with Molex Connector P/N 14-56-3056.

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

Optical and Mechanical Encoders

ACCESSORIES

Non-Turn Washer

The Series 61 bushing is 3/8 inches in diameter and has a non-turn keyway to prevent rotation of the switch body when the panel is cut to fit. Another way to keep the switch from turning is to use a non-turn washer. The washer is cadmium-plated brass.
 Part number: **12C1087-1**
 Part number: **SHH694-11**, 302-2B stainless steel, no plating

Shaft and Panel Seal

For shaft and panel seal version, the shaft is sealed by an o-ring inside the bushing. The panel is sealed by a flat gasket .045" thick at the base of the bushing. The panel seals will increase the behind panel dimension by .020" to .040", when the switch is mounted. The panel seal is silicon rubber.

DIMENSIONS In inches (and millimeters)

