Honeywell

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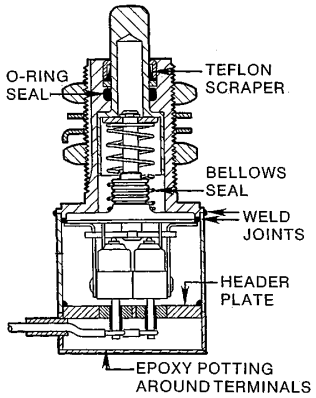
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Sensing and Control
Honeywell Inc.
11 West Spring Street
Freeport, IL 61032

www.honeywell.com/sensing

Hermetically Sealed Limit Switch





GENERAL INFORMATION

True hermetic sealing with metal-to-metal, glass-to-metal constuction assures maximum seal effectiveness for exceptionally long periods of time despite continuous changes in atmospheric pressures and temperatures.

1HE1-6 is directly interchangeable with the 1EN1-6 (MS24331-1) environment-proof switches, and has the same operating characteristics, physical dimensions, and electrical capacity. This switch features corrosion resistance, small size, one hole wire-lock mounting, and MIL-W-22759/7 leadwire.

Most EN type actuators can be provided on HE switches. Contact MICRO SWITCH for more information.

FEATURES

- Sealing: Hermetic sealing per MIL-S-8805, hermetic symbol 5
- 1HE1-6 qualified to military specification: MIL-S-8805/80
- Vibration: 10 to 81 Hz at .060 in. (1,52mm) D.A. 81 to 2000 Hz at 20 gs
- Shock: 200 g, .007 second, half sine pulse
- Strength of actuating means: 250 lbs. (1112N)
- Strength of mounting means: 400 in. lbs. (45,2 Nm) - 1HE1-6, 200 in. lbs. -602/622 HE
- Also meets sand and dust, explosion, icing, minimum current, and moisture resistance requirements
- Temperature range: −67°F to +257°F (−55°C to +125°C)
- Weight: 7.3 oz. (207 g) max 1HE1-6, 6.5 oz. (184g) max. 602HE1-6 (including 6 ft. (1,8m) leadwires)
- Circuitry: Two or four single-pole, double-throw circuits
- Meets or exceeds mechanical and electrical life as defined in MIL-S-8805
- Modifications: Other leadwire types and lengths are available. Receptacle termination is also possible

ELECTRICAL RATINGS amps at sea level and 100,000 feet (amps)

28 VDC	1HE1-6	602/622HE1-6 604/624HE1-6
Resistive	5	7
Inductive	3	4
Motor	4	4

Gold contacts can be provided with ½ amp inductive and 1 amp resistive at 28 VDC electrical rating.

Position Sensors

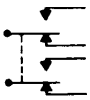
HE Series

Hermetically Sealed Limit Switch



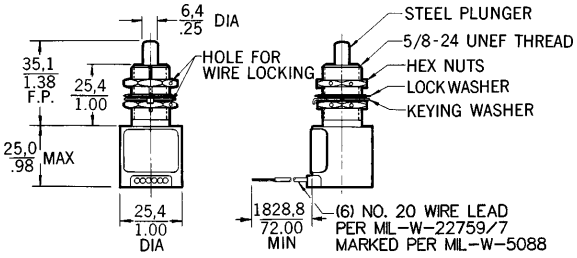
HE ORDER GUIDE

Characteristics: O.F. – Operating Force; R.F. – Release Force; P.T. – Pretravel; O.T. – Overtravel; D.T. – Differential Travel.

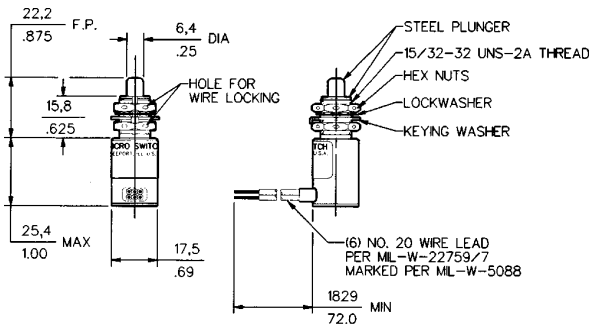
Circuitry	Catalog Listing	Actuator	Characteristics				
			O.F. Newtons **lbs.**	**R.F. min.** Newtons **lbs.**	**P.T. max.** mm **in.**	**O.T. min.** mm **in.**	**D.T. max.** mm **in.**
 Two Single-Pole Double-Throw Circuits	1HE1-6 (MS8805/80-01)	Plunger	26,7-53,4 **6-12**	17,8 **4**	1,02 **.040**	6,35 **.250**	0,51 **.020**
	602HE1-6	Plunger	22,2-53,4 **5-12**	13,3 **3**	1,02 **.040**	3,18 **.125**	0,51 **.020**
	622HE1-6	Roller Plunger	22,2-53,4 **5-12**	13,3 **3**	1,02 **.040**	3,18 **.125**	0,51 **.020**
Four Single-Pole Double-Throw Circuits	604HE1-6	Plunger	26,7-53,4 **6-12**	17,8 **4**	1,02 **.040**	3,18 **.125**	0,51 **.020**
	624HE1-6	Roller Plunger	22,2-53,4 **5-12**	13,3 **3**	1,02 **.040**	3,18 **.125**	0,51 **.020**

HE MOUNTING DIMENSIONS (For reference only)

1HE1-6

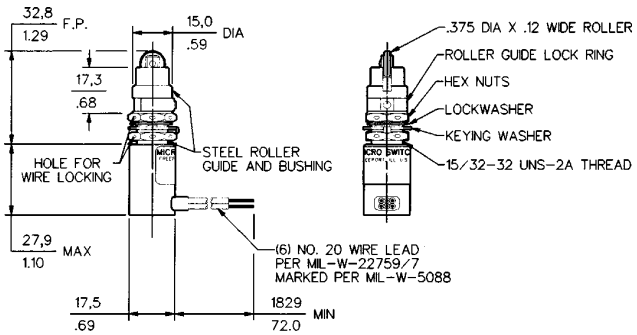


602HE1-6



604HE1-6 has same dimensions as 602HE1-6, except housing dia. is 1.0/25,4; and housing height is 1.2/30,5.

622HE1-6



624HE1-6 has same dimensions as 622HE1-6, except housing dia. is 1.0/25,4; and housing height is 1.2/30,5.

Key: 0,0 = mm / 0.00 = inches