



## Quality Features:

- Up to 10 million cycles typical
- Hall Effect sensor technology for long life
- Can be watertight sealed to IP68
- Stylish dome shaped buttons in nine colors
- Momentary action
- Choice of terminal styles

Designated the HP7 series, these new momentary pushbutton switches utilize Hall Effect sensor technology for long life contactless switching, with 10 million operations typical. Available in unsealed or dust-tight and moistureproof sealed configurations, these switches can also be watertight sealed to IP68. The stylish dome shaped pushbuttons are available in a choice of nine colors.

Case and bezel are precision machined aluminum alloy, available with either a black or clear coat anodized finish. Three case and button styles are offered in raised domed, flush dome, and exposed dome styles. PC pin and solder cup terminations are standard, with value-added assemblies including wire leads and connectors available to specification.

This rugged switch is designed to withstand harsh environments while being subjected to high rates of actuation. Applications that require repeated "jogging" and other continuous operations from positioning switches are prime applications for the HP7 Hall Effect switch. Examples of such can be found in material handling equipment such as loaders, lift trucks, bucket and shovel and other applications where positioning of the load is critical.

## Standard Characteristics/Ratings:

### OPERATIONAL:

- Mechanical Life:** 10,000,000 cycles typical
- Seal Options:** Unsealed, Dust-tight & moistureproof or Watertight to IP68
- Temperature Range:** -40°C to +85°C
- Operating Force:** 1 ±0.5 lbs.
- Total Travel:** 0.080 max.
- Overtravel:** 0.010 min.

### MATERIALS:

- Button:** Choice of nine colors in nylon  
Choice of flush, raised or exposed dome shape
- Case:** Black anodized aluminum alloy, standard; Clear optional
- Terminals:** PC Pins 0.015 x 0.016 x .250 minimum length.  
Solder Cups.

### ELECTRICAL:

- Supply Voltage:** 4.5V min. to 24V max.
- Output Voltage:** 28V max.
- Supply Current:** 9 mA max.
- Continuous Current Output:** 25 mA
- Reverse Output Voltage:** 0.5V max.
- Reverse battery protection:** -30V
- Electrical Life:** 10,000,000 cycles, typical.

