

Honeywell Sensing and Control

1HM1



Actual product appearance may vary.

HM Series Hermetically Sealed Basic Switch, Single Pole Double Throw Circuitry, 5 A at 28 Vdc, Integral Lever **Actuator, Solder Termination**

Features

- · Hermetically sealed per MIL-S-8805, design symbol 5
- Broad temperature tolerance range of -65 •C to 121 •C [-85 •F to 250 •F]
- High temperature construction for use in a range of -65 •C to 260 •C [-85 •F to 500 •F]
- MIL-PFR-8805 qualified listing
- Not sensitive to changes in altitude or pressure
- Compact size, light weight
- Gold contacts available
- · Choice of actuation and termination

Potential Applications

- · Adverse gas or vapor environments
- Oil drilling installations
- Marine environments
- Submarines and stationary undersea equipment
- Refrigeration units
- · Aircraft and spacecraft
- Earth moving machinery
- Desert vehicles
- Cement mills

Description

MICRO SWITCH™ HM Series hermetically sealed basic switches contain contacts in a sealed chamber. A gas-tight seal is maintained while transmitting force and motion to the switch mechanism through a metal diaphragm. HM Series Hermetically Sealed Switches are not generally recommended for 115 Vac, 60 Hz. If you have a 60 Hz application in the mA range, or applications that require the switch to function electrically during exposure to sub-freezing temperatures, contact us for special design variations that are available.

Product Specifications	
Switch Type	MICRO SWITCH ^{M} Subminiature 12,7 mm H x 6,35 mm W x 20,3 mm L [0.5 in H x 0.25 in W x 0.8 in L]
Sealed	Yes, Hermetic
Ampere Rating	5 A
Circuitry	Single Pole Double Throw (SPDT)
Actuator	Integral Lever
Termination	Solder
Operating Temperature Range	-184 °C to 121 °C [-300 °F to 250 °F]
Voltage	28 Vdc

Contact Type	Silver
Operating Force (O.F.)	1,95 N [7 oz] max.
Release Force (R.F.)	0,28 N [1.0 oz] min.
Pretravel (P.T.)	0,76 mm [0.030 in] max.
Overtravel (O.T.)	0,08 mm [0.003 in] min.
Differential Travel (D.T.)	0,15 mm [0.006 in] max.
Operating Position (O.P.)	8,38 mm [0.33 in]
Housing Material	Stainless Steel
Mounting Screw Size	22,1 mm [0.087 in]
Mounting Centers	9,53 mm ± 0,05 mm [0.375 in ± 0.002 in]
Maximum Tightening Torque	0,16 N m [1.5 in lb]
Weight	6,35 g [0.22 oz] max.
Package Height	18,29 mm [0.72 in]
Package Width	6,35 mm [0.25 in]
Package Length	22.35 mm [0.88 in]
Recommended For	Most applications
Availability	Global
UNSPSC Code	30211905
UNSPSC Commodity	30211905 Snap switches
Series Name	HM

