

Sealed Basic Switches Hermetically Sealed

HM Series

2

S W I T C H E S & K N O B S



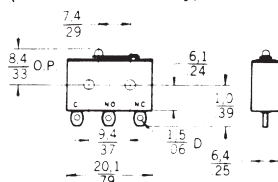
GENERAL INFORMATION

HM miniature basic switches are the answer to the need for an extremely small lightweight switch with true hermetic sealing and ample electrical capacity. They are the smallest hermetically sealed snap-action switches offered by MICRO SWITCH and are interchangeable (in mounting hole location and operating characteristics) with the MS25085-1 (listing 21SM284) basic switch.

FEATURES

- Hermetically sealed per enclosure design symbol 5, MIL-S-8805
- Power load switching capability up to 4 amperes 28 VDC and 115 VAC, 400 cycles
- Optional gold and gold bifurcated contacts for special applications*
- Temperature tolerance from -85°F to +250°F (-65°C to 121°C)
- High temperature construction for use from -85°F to +500°F (-65° to 260°C)
- Variety of auxiliary actuators*
- Choice of terminal styles
- Listings available which meet MIL-S-8805 qualified products list.

TYPICAL DIMENSION (For reference only)



HM SERIES ORDER GUIDE

Catalog Listing	Recommended For	Electrical Data*	O.F. max. newtons ounces	R.F. min. newtons ounces	P.T. max. mm inches	O.T. min. mm inches	D.T. mm inches	O.P.† mm inches
13HM1	Applications requiring gold contacts. Meets MIL-S-8805 high shock requirements	.5 Amps J	1,95 7	0,28 1	0,76 .030	0,08 .003	0,15 .006	8,38 .330
1HM19 (MS27216-1)	MIL-S-8805 application requirements	4 Amps I	1,95 7	0,28 1	0,76 .030	0,08 .003	0,15 .006	8,38 .330
6HM1-1	Operating in temperature to 500°F (260°C)	2.5 Amps G	1,95 7	0,28 1	0,76 .030	0,08 .003	0,15 .006	8,38 .330
11HM1 (MS27216-5)	Meets MIL-S-8805/8 and high shock requirements	1 Amp K	1,95 7	0,28 1	0,76 .030	0,08 .003	0,15 .006	8,38 .330
2HM1-1	1 foot long leads MIL-W-16878/4 Type E wire	4 Amps I	1,95 7	0,28 1	0,76 .030	0,08 .003	0,15 .006	8,38 .330

† ±0,38 mm
±.015 in.

NOTE: Type HM switches are not generally recommended for 60 Hz. If you have a 60 Hz application in the milliamp range, contact Relay Specialties.

For applications that require the switch to function electrically during exposure to sub-freezing temperatures contact Relay Specialties for special design variations that are available.

ELECTRICAL DATA *

G	4 amps res., 2 amps ind., 28 VDC. 2.5 amps res. or ind., 115 VAC, 400 Hz.
I	4 amps res., 2 amps ind., 0.5 amps lamp load, 115 VAC, 400 Hz. 4 amps res., 2 amps ind., 1 amp lamp load 28 VDC.
J	½ amp res., ¼ amp ind., 28 VDC (sea level or 70,000 ft.)
K	3 amps res., 1 amp ind. (sea level or 70,000 ft.) 28 VDC. 1 amp res. or ind. (sea level) 115 VAC. 400 Hz.