

Ratings

DPDT (2 form C) contacts, 5 amp
@ 29VDC

Description

Miniature DPDT relay
5 amp contact rating
AC or DC coils
50g operational shock
Temperature Range—
MH: -55°C to +85°C
MHB: -65°C to +125°C
Weight: 2.0 ounces maximum
Enclosure: Hermetically sealed
Terminals: Plug-in, printed circuit, or
hook-type solder terminals

Performance Data

Operate Time: 8ms or less

Release Time:

5ms maximum (DC coil)
25ms maximum (AC coil)

Initial Contact Resistance:

0.05 ohms max.

Contact Rating:

Non-Inductive:

Low level up to 5 amp @ 29VDC
Low level up to 2 amp @ 115VAC, 60 to
400Hz (10, case not grounded)
0.3 amp @ 115VAC, 60 to 400Hz
(10, case grounded)

Inductive:

1 amp @ 29VDC
1 amp @ 115VAC, 60 to 400Hz
(10, case not grounded)
0.3 amp @ 115VAC, 60 to 400Hz
(10, case grounded)

Higher AC ratings available—
consult factory.

Dielectric Strength

1,000V rms at sea level
500V rms at 70,000 feet
350V rms at 80,000 feet

Vibration: 5-34Hz at 0.25 inch double
amplitude, 34-1000Hz at 15g.

Shock: 50g operational; 100g mechanical

Ambient Temperature:

MH Series: -55°C to +85°C
MHB Series: -65°C to +125°C

Approvals

MIL-R-5757, as applicable

Ordering Information

MH I II III

I. Mounting and terminal variation

II. 6A or 6D (DPDT)

III. Coil voltage or mADC

Example: MHBO-6D-48VDC calls for relay
rated from -65°C to +125°C, socket
mounting with straight pins—DPDT—
48 volts.



Type Designation and Coil Data

Relay Type	DC Nominal Coil Data			Maximum Pick-up Voltage	
	Volts	Amperes	Ohms*	@ +25°C	@ +85°C
MH-6D-6VDC	6	.364	16.5	3.5	4.0
MH-6D-12VDC	12	.146	82	6.5	8.5
MH-6D-26.5VDC	26.5	.066	400	14.5	18.0
MH-6D-48VDC	48	.036	1350	28.0	33.0
MH-6D-115VDC	115	.018	6500	59.0	78.0
Temperature rise at rated voltage: 55°C above 25°C; 45°C above 85°C					
MHB-6D-6VDC	6	.376	16	3.2	4.0
MHB-6D-12VDC	12	.184	65	6.2	8.5
MHB-6D-26.5VDC	26.5	.082	325	13.0	18.0
MHB-6D-48VDC	48	.048	1000	26.0	33.0
MHB-6D-115VDC	115	.019	6000	58.0	78.0

Current Adjusted Relays

Relay Type	Maximum Pick-up mA	Ohms*	Nominal Operating Current
MHB-6D-10mADC	10.0	6,500	15mA
MHB-6D-8mADC	8.0	10,000	12mA
MHB-6D-6.5mADC	6.5	15,900	9.75mA

AC Coil Relay (60 to 400 Hz with self-contained diodes)

Relay Type	Nominal Voltage	Coil Resistance Ohms*	Frequency Range
MHB-6A-115VAC	115	2 coils** each 4215	45 to 420 Hz

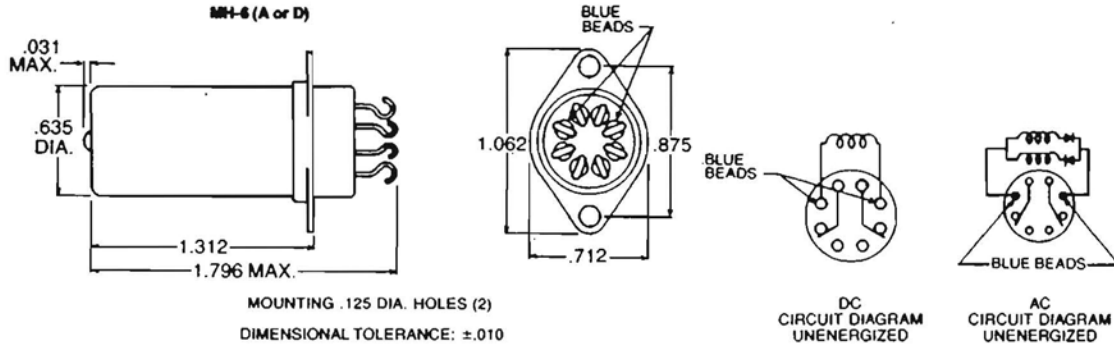
*DC coil resistance—standard tolerance ± 10%.

Other values of resistance can be supplied.

**Diodes used in AC relays rated at 600 P. I. V. minimum.

Diodes with higher ratings can be supplied. Consult factory.

Dimensions & Schematics



Mounting Variations

