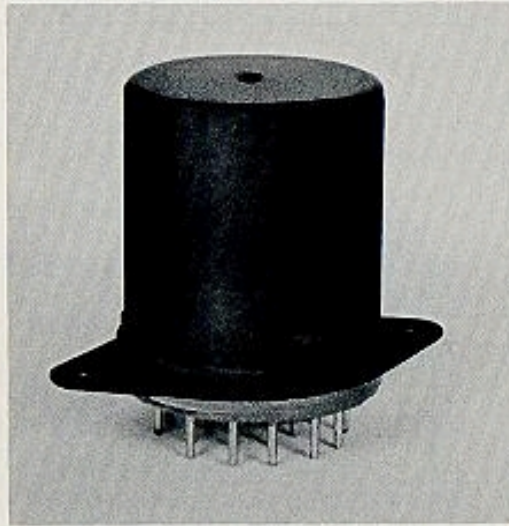


Ratings

6PDT (6 form C) contacts,
5 amp @ 29VDC, 2 amp @ 115VAC

Description

Miniature 6PDT relay
5 ampere contact rating
AC or DC coils
50g operational shock
Temperature range:
MH: -55°C to +85°C
MHB, MHJ: -65°C to +125°C
Vibration level:
MH, MHB: up to 1000Hz at 15g
MHJ: up to 2000Hz at 20g
Weight: 4.2 ounces maximum
Enclosure: Hermetically sealed
Terminals: Plug in, printed circuit, or hook-type solder terminals



Performance Data

Operate Time: 10ms maximum
Release Time:
DC coil: 5ms maximum
AC coil: 25ms maximum
Initial Contact Resistance: 0.05 ohms max.
Insulation Resistance: 1000 megohms min.

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:

1000V rms at sea level
500V rms at 70,000 feet
350V rms at 80,000 feet

Vibration:

MH, MHB: 5-34Hz at 0.25 inch double amplitude, 34-1000Hz at 15g
MHJ: 5-28Hz at 0.5 inch double amplitude, 28-2000Hz at 20g

Shock: 50g operational—100g mechanical

Ambient Temperature:

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

Approvals

MIL-R-5757, as applicable

Ordering Information

MH I II III

- I. Mounting and terminal variation.
- II. 18A or 18D (6PDT)
- III. Coil voltage or mADC

Example: MH-18D-6VDC calls for relay with temperature range from -55°C to +85°C and vibration level up to 1000Hz at 15g—stud mounting with hook pin terminals—6PDT—6 volts DC.

Type Designation and Coil Data

Relay Type	DC Nominal Coil Data			Maximum Pick-up Voltage	
	Volts	Amperes	Ohms*	@ +25°C	@ +85°C
MH-18D-6VDC	6	.500	12	3.5	4.0
MH-18D-12VDC	12	.250	48	6.5	8.5
MH-18D-26.5VDC	26.5	.110	240	14.5	18.0
MH-18D-48VDC	48	.064	750	28.0	33.0
MH-18D-115VDC	115	.033	3500	59.0	78.0
Temperature rise at rated voltage: 60°C above 25°C; 35°C above 85°C					
				@ +25°C	@ +125°C
MHB-(MHJ)-18D-6VDC	6	.600	10	3.2	4.0
MHB-(MHJ)-18D-12VDC	12	.300	40	6.2	8.5
MHB-(MHJ)-18D-26.5VDC	26.5	.132	200	13.0	18.0
MHB-(MHJ)-18D-48VDC	48	.073	650	26.0	33.0
MHB-(MHJ)-18D-115VDC	115	.033	3500	58.0	78.0
Temperature rise at rated voltage: 70°C above 25°C; 45°C above 125°C					

Current Adjusted Relays

Relay Type	Maximum Pick-up mA	Ohms*	Nominal Operate Current
MHB-(MHJ)-18D-13.5mADC	13.5	5,670	20.25mA
MHB-(MHJ)-18D-9.0mADC	9.0	14,000	12.0mA
MHB-(MHJ)-18D-7.0mADC	7.0	22,100	10.5mA

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

Relay Type	Nominal Voltage	Coil Resistance Ohms*	Frequency Range
MHJ-18A-115VAC	115	2 coils** each 2635	45 to 420Hz

*DC coil resistance—standard tolerance ±10%. Other values of resistance can be supplied.
**Diodes used in AC relays rated 600 P. I. V. minimum. Diodes with higher ratings can be supplied. Consult factory.