

Ratings

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

Description

High performance, full-size crystal
can relay
High shock and vibration performance
Single-point contacts—
gold-plated silver
Long life—100,000 operations under
2 ampere load
High contact force
Low-profile, high-density packaging
Weight: 0.5 ounce maximum
Enclosure: hermetically sealed
Terminals: Plug-in, printed circuit, hook
type, or 3" weldable leads

Performance Data

Operate Time: 6ms or less
Release Time: 6ms or less
Initial Contact Resistance:
0.05 ohms maximum
Insulation Resistance:
1,000 megohms minimum

Contact Rating:

Non-inductive and low level
2 amp @ 29VDC
0.3 amp @ 115 VAC, 60 to 400 Hz
(10, case grounded)

Inductive

1 amp @ 29VDC
0.3 amp @ 115VAC, 60 to 400Hz
(10, case grounded)

Higher AC ratings available—
consult factory

Dielectric Strength

1000V rms except 500V rms across
open contacts at sea level
500V rms at 70,000 feet
350V rms at 80,000 feet

Vibration: 5-28Hz at 0.5 inch
double amplitude, 28-2000Hz at 20g

Shock: 100g operational; 200g
mechanical

Ambient Temperature: -65°C to +125°C

Approvals

Meets MIL-R-5757


Type Designation and Coil Data

Relay Type	DC Nominal Coil Data			Maximum Pick-up Voltage	
	Volts	Amperes	Ohms*	@ + 25°C	@ + 125°C
KHJ-6D-6VDC	6	.154	39	3.2	4.4
KHY-6D-6VDC		176	34	3.2	4.4
KHJ-6D-12VDC	12	.082	147	6.2	8.6
KHY-6D-12VDC		.078	155	6.5	9.0
KHJ-6D-26.5VDC	26.5	.043	612	13	18.0
KHY-6D-26.5VDC		.043	615	13	18.0
KHJ-6D-48VDC	48	.020	2370	26	36.0
KHY-6D-48VDC		.025	1920	26	36.0
KHJ-6D-115VDC	115	.012	10000	58	80.0
KHY-6D-115VDC		.014	8120	54	75.0

Current Adjust Relays

Relay Type	Maximum Pick-up mADC	Ohms*	Nominal Operating Current
KHJ-6D-8.0mADC	8.0	5440	12mA
KHY-6D-10.0mADC	10.0	3600	15mA
KHJ-6D-5.5mADC	5.5	12340	8.25mA
KHY-6D-7.0mADC	7.0	8120	10.5mA
KHJ-6D-4.0mADC	4.0	27800	6mA
KHY-6D-5.5mADC	5.5	12580	8.25mA

*DC Coil Resistance: standard tolerance ± 10%

Ordering Information

KHJ or KHY 6D

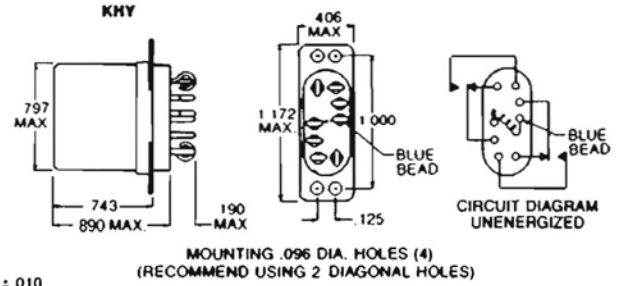
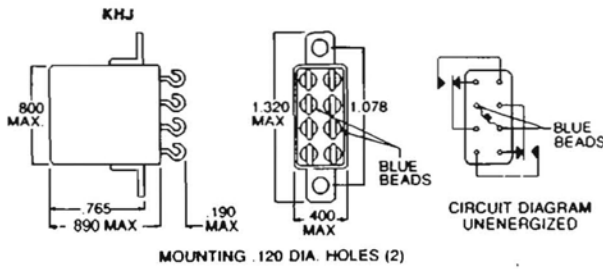
I II III

- I Mounting and terminal variation.
- II Coil voltage or current
- III DC or mADC

Example: KHYT-6D-6VDC calls for top
stud mounting hook pin terminals—6 volts.

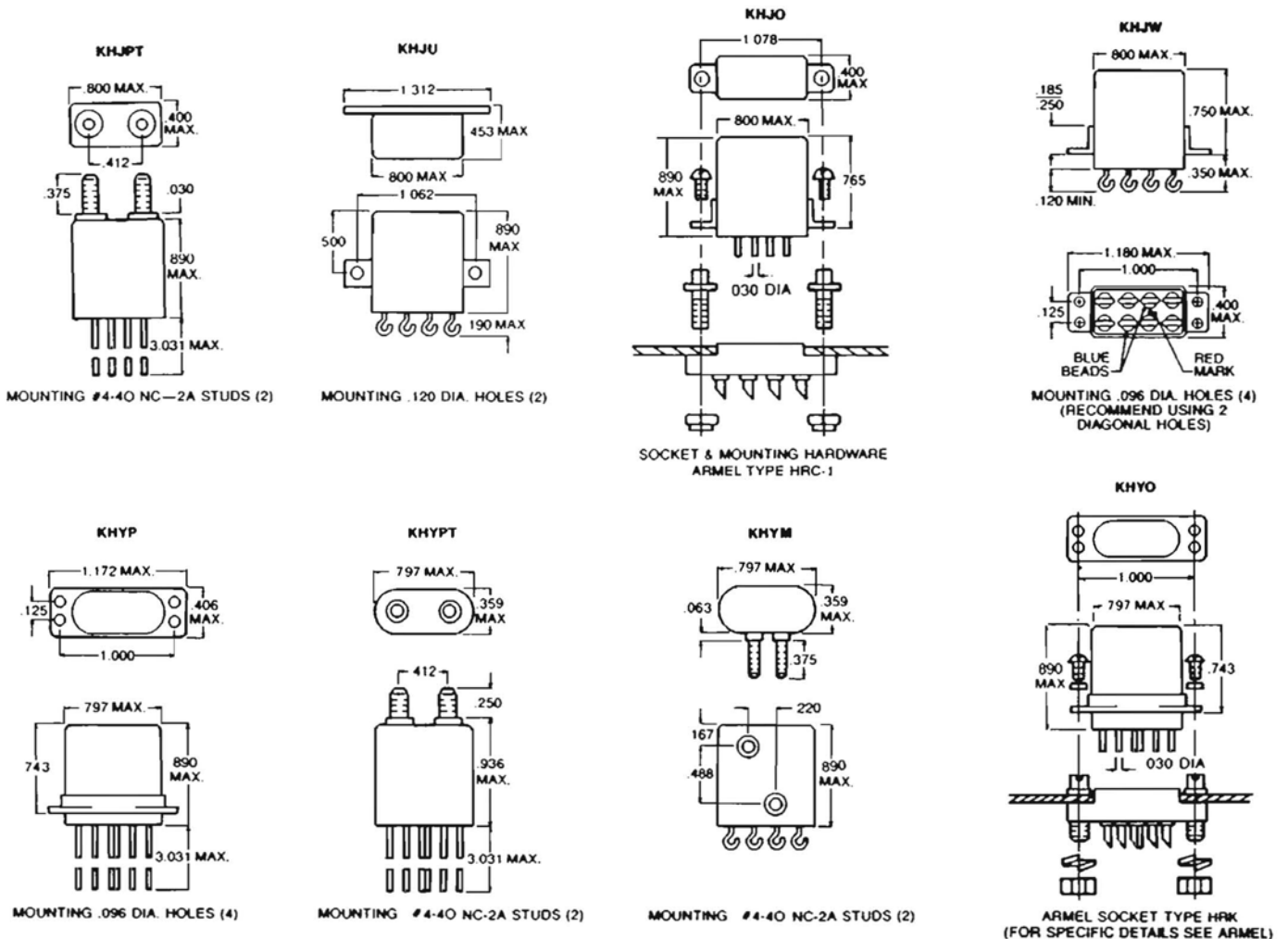
Dimensions, Terminal and Mounting
Variations, and Ordering Information on
next page.

Dimensions & Schematics



Dimensional Tolerances ±.010

Mounting Variations



Legend:

KHJ (KHY) 2- (4-) hole standard flange, hook pins
KHJO (KHYO) 2- (4-) hole standard flange, straight pins
KHJP (KHYP) 2- (4-) hole standard flange, 3" long leads
KHJU, KHYU Center flange mounting, hook pin
KHJPU, KHYPU Center flange mounting, 3" long leads
KHJT, KHYT Top stud mounting, hook pins
KHJPT, KHYPT Top stud mounting, 3" long leads
KHJPN, KHYPN Plain housing, 3" long leads

KHJM, KHYM Side stud mounting, hook pins
KHJPM, KHYPM Side stud mounting, 3" long leads
KHJV 2-hole flange (1.062 center), straight pins
KHJW 4-hole flange (1.000 center), hook pins
KHYW 4-hole flange (1.000 center), hook pins
KHJWO 4-hole flange, straight pins
KHJN, KHYN Plain housing, hook pins
KHJNO, KHYNO Plain housing, straight pins

Additional variations available upon request.