

Allied Controls, Inc. Catalog, Page 11
 Military Relays

Ratings

DPDT (2 form C) contacts, 3 amp @ 29VDC

Description

High-performance, full-size crystal can relay
 High shock and vibration performance with rotary armature design
 Bifurcated contacts for low-level switching
 Maximum contact force through unique design
 Low-profile, high-density packaging
 Weight: 0.5 ounce maximum
 Enclosure:
 Hermetically sealed by welding
 Terminals: Plug-in, printed circuit, hook type, or 3" weldable leads

Performance Data

Operate Time:
 6ms or less at rated voltage
 Release Time: 6ms or less
 Initial Contact Resistance:
 0.05 ohms maximum

Insulation Resistance: 1000 megohms min.

Contact Rating:

Non-inductive and low level
 3 amp @ 29VDC
 0.3 amp @ 115VAC, 60 to 400Hz (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 at sea level
 500V rms across open contacts
 350V rms at 80,000 feet.

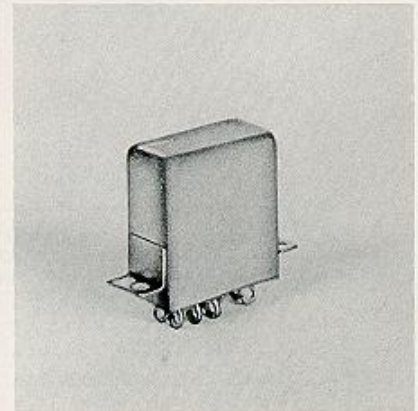
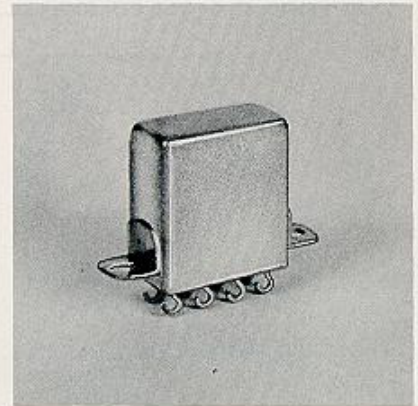
Vibration: 5-28Hz at 0.5 inch double amplitude, 28-2000Hz at 20g, 28-3000Hz at 30g available on request

Shock: 100g operational; 200g mechanical

Ambient Temperature: -65°C to +125°C

Approvals

Meets MIL-R-5757



Type Designation and Coil Data

WKJ-6D, WKY-6D Relay Type		DC Nominal Coil Data			Maximum Pick-up Voltage	
		Volts	Amperes	Ohms*	@ +25°C	@ +125°C
WKJ-6D-6VDC	WKY-6D-6VDC	6	.150	40	3.2	4.4
WKJ-6D-12VDC	WKY-6D-12VDC	12	.090	150	6.2	8.6
WKJ-6D-26.5VDC	WKY-6D-26.5VDC	26.5	.044	600	13	18.0
WKJ-6D-48VDC	WKY-6D-48VDC	48	.020	2320	26	36.0
WKJ-6D-115VDC	WKY-6D-115VDC	115	.012	10000	58	80.0

Current Adjust Relays

Relay Type		Maximum Pick-up mA	Ohms*	Nom. Operate Current mA**
WKJ-6D-8.0 mADC	WKY-6D-8.0 mADC	8.0	5440	12.0
WKJ-6D-5.5 mADC	WKY-6D-5.5 mADC	5.5	12340	8.25
WKJ-6D-4.0 mADC	WKY-6D-4.0 mADC	4.0	27800	6.0

*D-C Resistance—St'd. Tolerance ± 10% Other values of resistance can be supplied.

**Note: Operate Current = 150% of maximum pull-in current

Dimensions, Terminal and Mounting Variations, on next page.

Ordering Information

WKJ or WKY 6D

I II III

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

Example: WKJP-6D-12VDC calls for 2-hole bottom bracket; 3" long leads—12 volts.

Back to [Catalog](#), or go to page:

[1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#)