Series WKJ
Military Relay

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
Blurred contacts for low-level switching
Maximum contact force through unique design
Low-profile, high-density packaging
Weight: 0.6 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
100V 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
MIL-R-5757 as applicable.

Type Designation and Coil Data

<table>
<thead>
<tr>
<th>Relay Type</th>
<th>DC Nominal Coil Data</th>
<th>Maximum Pick-up Voltage @ + 25°C</th>
<th>@ + 125°C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Volts</td>
<td>Amperes</td>
<td>Ohms*</td>
</tr>
<tr>
<td>WKJ-6D-6VDC</td>
<td>6</td>
<td>.150</td>
<td>40</td>
</tr>
<tr>
<td>WKJ-6D-12VDC</td>
<td>12</td>
<td>.080</td>
<td>150</td>
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<tr>
<td>WKJ-6D-26.5VDC</td>
<td>26.5</td>
<td>.044</td>
<td>600</td>
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<td>WKJ-6D-48VDC</td>
<td>48</td>
<td>.020</td>
<td>2320</td>
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<tr>
<td>WKJ-6D-115VDC</td>
<td>115</td>
<td>.012</td>
<td>10000</td>
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</tbody>
</table>

Current Adjust Relays

<table>
<thead>
<tr>
<th>Relay Type</th>
<th>Maximum Pick-up mA</th>
<th>Ohms*</th>
<th>Nom. Operate Current mA*</th>
</tr>
</thead>
<tbody>
<tr>
<td>WKJ-6D-6.0 mAADC</td>
<td>8.0</td>
<td>5440</td>
<td>12.0</td>
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<tr>
<td>WKJ-6D-5.5 mAADC</td>
<td>5.5</td>
<td>12340</td>
<td>8.25</td>
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<tr>
<td>WKJ-6D-4.0 mAADC</td>
<td>4.0</td>
<td>27800</td>
<td>6.0</td>
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</tbody>
</table>

*DC Resistance—S’D’t. 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 6D □ □ □
I Mounting and terminal variation.
II Coil voltage or current.
III DC or mAADC.
Example: WKJP-6D-12VDC calls for 2-hole bottom bracket; 3” long leads—12 volts.
Dimensions & Schematics

Mounting Variations

Legend:

WKJN No bracket, straight pins
WKJPN No bracket, 3" long leads
WKJR Wide mtg bracket with 2 holes, hook pins
WKJW Wide mtg bracket with 4 holes, hook pins
WKJDR Wide mtg bracket with 2 holes, straight pins
WKJWO Wide mtg bracket with 4 holes, straight pins
WKJP 2-hole bottom bracket, 3" long leads
WKJU Centerline mtg bracket (full), hook pins
WKJPU Centerline mtg bracket (full), 3" long leads
WKJM Side stud mtg with support plate, hook pins
WKJPM Side stud mtg with support plate, 3" long leads
WKJT Top stud mtg, hook pins
WKJPT Top stud mtg, 3" long leads
WKJO Wide mtg bracket with 2 holes on 1.078" center, straight pins. Mates with ARMEL socket Type HRC-1. For specific details on socket, see ARMEL catalog.

Additional variations available upon request.

NOTE: The KHY relay replaces the WKY relay.