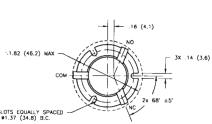


### KC Series Make & Break Load Switching - 15 kV Relays

KC-14



GLAZED CERAMIC ENVELOPE a.75 (19.1) a.75 (19.1) a.75 (21.1) b.1.62 (41.1) c.1.62 (41.1) c.



KC-18

#### Product Facts for KC-14 and KC-18

- Specifically designed for load switching applications
- Can power switch and isolate loads
- Replaces KILOVAC KC-8 and KC-12
- Meets requirements of MIL-R-83725

**Product Specifications for** 

Contact Arrangement — SPDT

Test Voltage, DC or 60 Hz (Peak) -

Rated Operating Voltage (Peak) -

Continuous Carry Current, Max. ---

Coil Hi-Pot (Vrms, 60 Hz) — 500 A Contact Capacitance —

Between Open Contacts — 0.5 pF Open Contacts to Ground — 1 pF

Contact Resistance, Max. —

**Operate Time, Max.** — 15 ms **Release Time, Max.** — 9 ms

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or

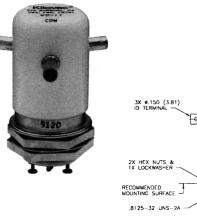
KC-14 and KC-18

Contact Form — C

DC or 60 Hz - 15 kV

DC or 60 Hz - 30 A

17 kV



Shock, 11ms, 1/2 Sine (Peak) -

**Operating Ambient Temperature** 

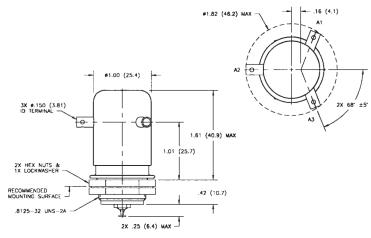
Mechanical Life — 1 million cycles

Weight, Nominal — 85 g (3 oz.)

Peak — 10 g (55 to 500 Hz)

Range — -55°C to +125°C

50 g Vibration —



#### \*Hot Switching, Resistive Load Life

Voltage	Current	Load Life Operations
330 Vdc	17 Amps	10,000
330 Vdc	5 Amps	100,000
5,000 Vdc	2 Amps	100,000
10,000 Vdc	1 Amps	50,000

\*Ratings are for normally open contacts only. No testing has been performed on normally closed contacts.

#### Coil Data

Volts, Nominal DC	12 V	26.5 V	115 V
Pickup, Max.	8 Vdc	16 Vdc	80 Vdc
Dropout	.5-5 Vdc	1-10 Vdc	5-50 Vdc
Coil Resistance (±10%)	48 Ω	180 Ω	2900 Ω

Ratings listed are for 25°C, sea level conditions

## Ordering Information

Sample Part Number ►
Series:
Model:
14
18

## Coil Voltage: —

Blank = 26.5 Vdc /12Vdc = 12 Vdc /115Vdc = 115 Vdc

Catalog 5-1773450-5 Revised 3-13

805-220-2055.

Dimensions are shown for reference purposes only. Specifications subject to change. Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752 For additional support numbers Asia Pacific: +86 0 400 820 6015 please visit www.te.com UK: +44 800 267 666 7–73

KC- 18 /12Vdc

www.te.com

0.025 ohm

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