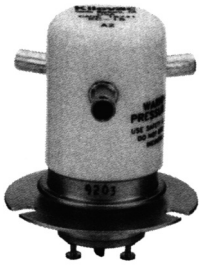
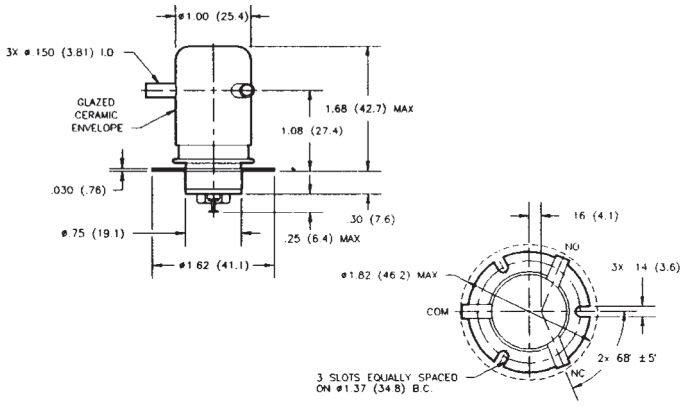
KC Series Make Only Load Switching — 15 kV Relays (Continued)

KC-15
Product Facts

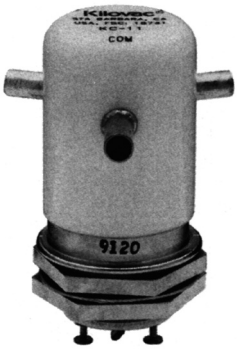
- **SF-6 gas-filled for power switching on the "make"**
- **Long load life in capacitive discharge**
- **Recommended for ESD testing and safety interlock applications**
- **Meets requirements of MIL-R-83725**

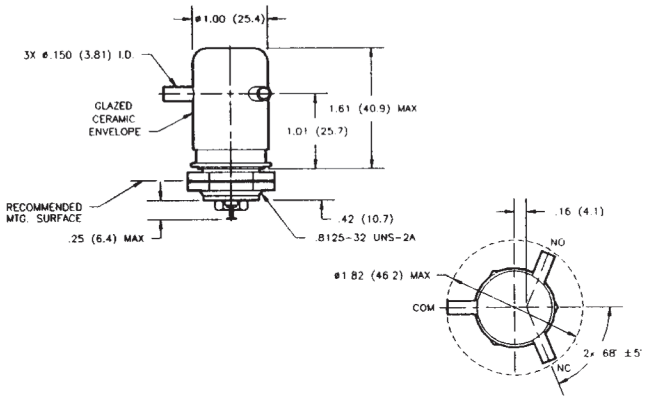




KC-16
Product Facts

- **Threaded base version of KC-15**
- **SF-6 gas-filled for power switching on the "make"**
- **15 kV rating**
- **Meets requirements of MIL-R-83725**





Product Specifications for KC-15 and KC-16

Contact Arrangement — SPDT

Contact Form — C

Test Voltage, DC or 60 Hz (Peak) — 17 kV

Rated Operating Voltage (Peak) — DC or 60 Hz — 15 kV

Continuous Carry Current, Max. — DC or 60 Hz — 12 A
Coil Hi-Pot (Vrms, 60 Hz) — 500 A

Contact Capacitance —
Between Open Contacts — N/A
Open Contacts to Ground — N/A

Contact Resistance, Max. — 1.0 ohm*

Operate Time, Max. — 15 ms

Release Time, Max. — 9 ms

Shock, 11ms, 1/2 Sine (Peak) — 50 g

Vibration —
Peak — 10 g (55 to 500 Hz)

Operating Ambient Temperature Range — -55°C to +125°C

Mechanical Life — 1 million cycles

Weight, Nominal — 85 g (3 oz.)

Note:
*Contact resistance for gas-filled relays measured 28 Vdc, 1 Amp

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 ▶ **KC- 15 /12Vdc**

Series:

Model:
15
16

Coil Voltage:
Blank = 26.5 Vdc
/12Vdc = 12 Vdc
/115Vdc = 115 Vdc

For factory-direct application assistance, dial 800-253-4560, ext. 2055, or 805-220-2055.

Catalog 5-1773450-5
Revised 3-13

www.te.com

Dimensions are shown for reference purposes only. Specifications subject to change.

Dimensions are in millimeters unless otherwise specified.

USA: +1 800 522 6752
Asia Pacific: +86 0 400 820 6015
UK: +44 800 267 666

For additional support numbers please visit www.te.com

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

TE Connectivity:

ROX05SJ18R 1743455-2 1903112-2 RH73H2A40MKTN SBCHE154R7K 141991-2 1969656-1
3-1393225-0 1-794222-0 2310537-1 2377783-2 175977-2 936348-1 SBCHE64R7K U5254-000005-030PA
1393431-1 2-292161-3 CPF0402B37K4E1 CRGCQ2010J3K3 SMW73R0JT 1-962915-1 2005330-1
2380312-2 2834055-1 3631B101LL TE50BR39J 3430B2F51RTDF 650075-000 917696-1 MPT100C18RF