

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

© COPYRIGHT — TE Connectivity Ltd.

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL DRAWING	25SEP2019	VM	JR

Contact Capacitance —

Between Open Contacts — 0.5 pF

Open Contacts to Ground — 1 pF

Contact Resistance, Max. —

KC-2 and KC-11 — 0.012 ohm

KC-8 and KC-12 — 0.025 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.)

**Product Specifications for
KC-2, KC-8, KC-11 and KC-12****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

2.5 MHz — KC-2 and KC-11 — 12 kV

16 MHz — KC-2 and KC-11 — 9 kV

32 MHz — KC-2 and KC-11 — 7 kV

Continuous Carry Current, Max. —

DC or 60 Hz — KC-2 and KC-11 — 50 A

KC-8 and KC-12 — 30 A

2.5 MHz — KC-2 and KC-11 — 30 A

16 MHz — KC-2 and KC-11 — 17 A

32 MHz — KC-2 and KC-11 — 10 A

Coil Hi-Pot (Vrms, 60 Hz) — 500 A

Ordering Information**Sample Part Number ►****Series:** _____**Model:** _____

2

8

11

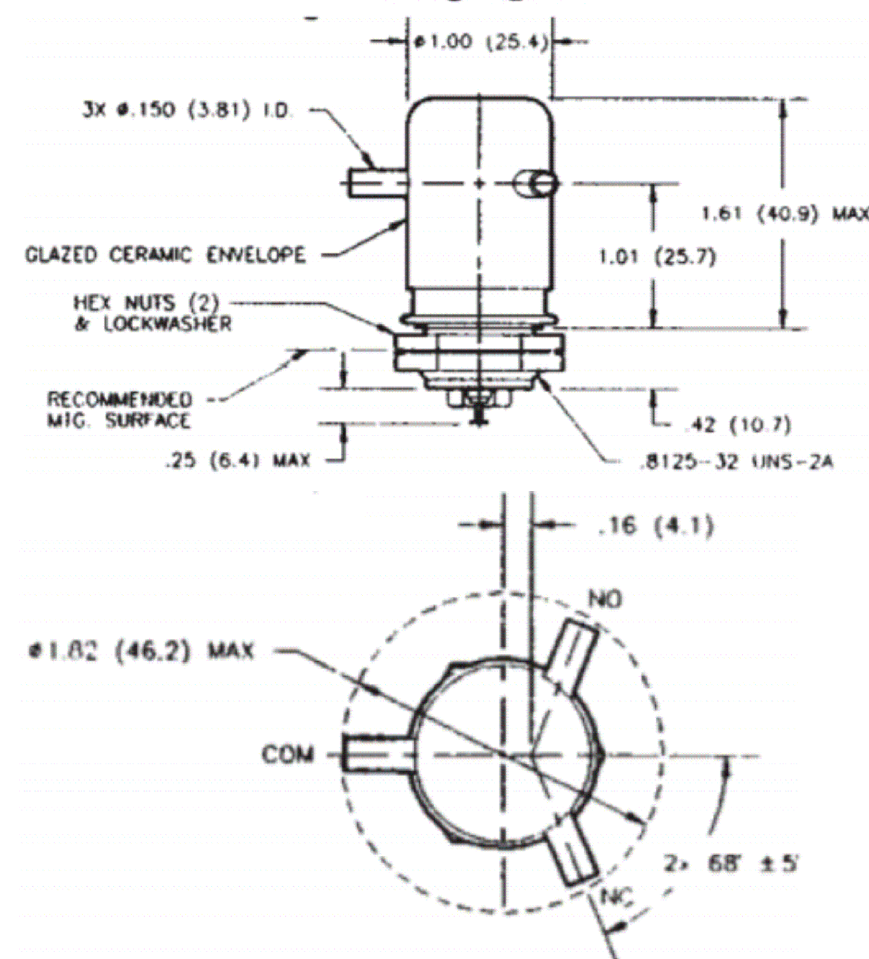
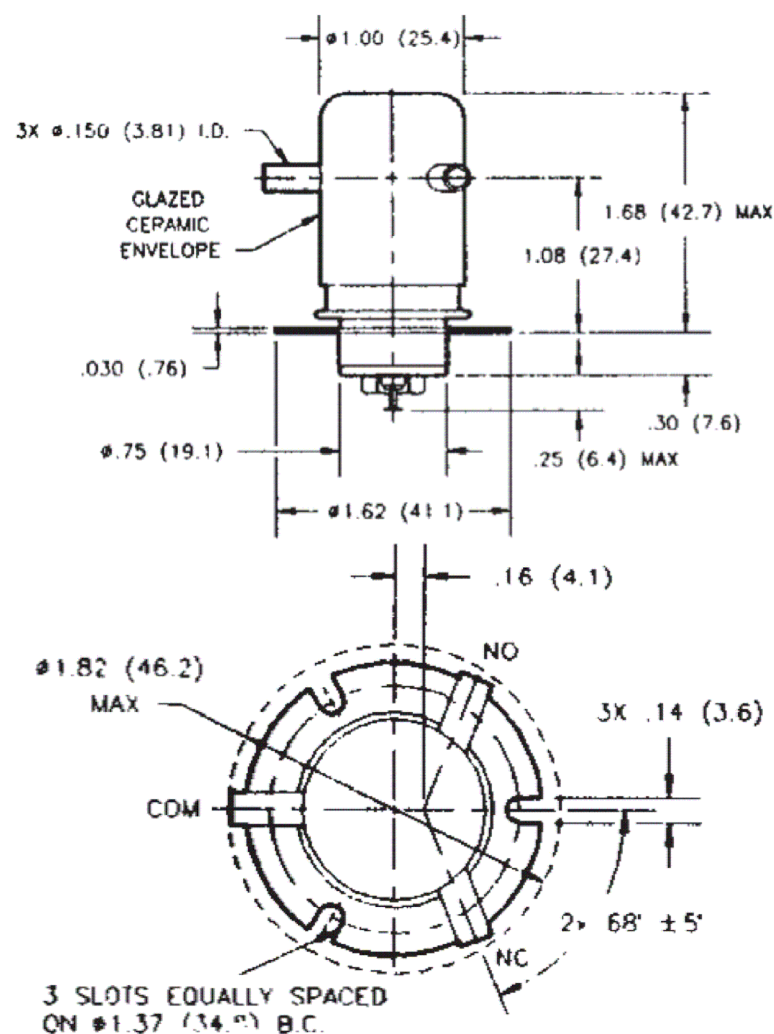
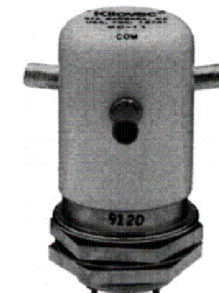
12

Coil Voltage: _____

Blank = 26.5 Vdc

/12Vdc = 12 Vdc

/115Vdc = 115 Vdc

KC- 2 /12Vdc**KC-2****No Load Switching****Product Facts**

- Vacuum dielectric for low and stable contact resistance
- Carries 50 Amps at DC; 10 Amps at 32 MHz
- Not designed for power switching

KC-8**Product Facts for KC-8**

- Not recommended for new design. See KC-14 on page 7-82 for replacement.

KC-11**No Load Switching****Product Facts**

- Threaded base version of KC-2
- Vacuum dielectric for low leakage current applications

KC-12**Product Facts**

- Not recommended for new design. See KC-18 on page 7-67 for replacement.
- Vacuum dielectric for power switching low current loads

Coil Data

Nominal Volts DC	12 Vdc	26.5 Vdc	115 Vdc
Pickup, Max.	8 Vdc	16 Vdc	80 Vdc
Dropout	.5-5 Vdc	1-10 Vdc	5-50 Vdc
Coil Resistance (±10%)			
KC-2 and KC-11	60 Ω	250 Ω	3500 Ω
KC-8 and KC-12	48 Ω	180 Ω	2900 Ω

Ratings listed are for 25°C, sea level conditions

ALL DIMENSIONS ARE IN INCHES(MM)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± — 1 PLC ± — 2 PLC ± — 3 PLC ± — 4 PLC ± — ANGLES ± —
MATERIAL	FINISH
—	—

DWN VM	25SEP2019	TE Connectivity			
CHK RV	25SEP2019				
APVD JR	25SEP2019	NAME KC-2, 8, 11, 12 SERIES MAKE AND BREAK LOAD SWITCHING			
PRODUCT SPEC		—			
APPLICATION SPEC		—			
WEIGHT		SIZE A3	CAGE CODE —	DRAWING NO C=KC-2,8,11,12-SERIES	RESTRICTED TO —
CUSTOMER DRAWING		SCALE NTS	SHEET 1 OF 1	REV A	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[KC-8/12VDC](#)