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Ordering Information

Sample Part Number ►

Series: **K41 A 3 3 4**

Contact Form:

A = SPST-NO B = SPST-NC C = SPDT

Coil Voltage:

2 = 12 Vdc, Bus Wire 3 = 26.5 Vdc, Bus Wire
5 = 115 Vdc, Bus Wire 7 = 12 Vdc, Turret Terminal*
8 = 26.5 Vdc, Turret Terminal*
9 = 115 Vdc, Turret Terminal*

High Voltage Connections:

3 = Solder Connection

Mounting:

2 = Flanged 4 = Standard

Product Specifications for
K41A, K41B and K41C

Contact Arrangement —

K41A — SPST-NO

K41B — SPST-NC

K41C — SPDT

Contact Form —

K41A — A

K41B — B

K41C — C

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

Rated Operating Voltage (Peak) —

DC or 60 Hz — 5 kV

2.5 MHz — 4.5 kV

16 MHz — 3.5 kV

32 MHz — 2.8 kV

Continuous Carry Current, Max. —

DC or 60 Hz — 30 A

2.5 MHz — 24 A

16 MHz — 16 A

32 MHz — 12 A

Coil Hi-Pot (Vrms, 60 Hz) — 500 A

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%)	70 Ω	290 Ω	4700 Ω

Ratings listed are for 25°C, sea level conditions

Contact Capacitance —

Between Open Contacts — 1.2 pF

Open Contacts to Ground — 1.2 pF

Contact Resistance, Max. —

0.02 ohm

Operate Time, Max. — 10 ms

Release Time, Max. — 10 ms

Shock, 11ms, 1/2 Sine (Peak) —
50 g

Vibration —

Peak — 10 g (55 to 2000 Hz)

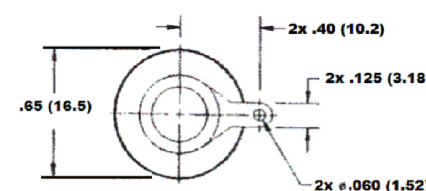
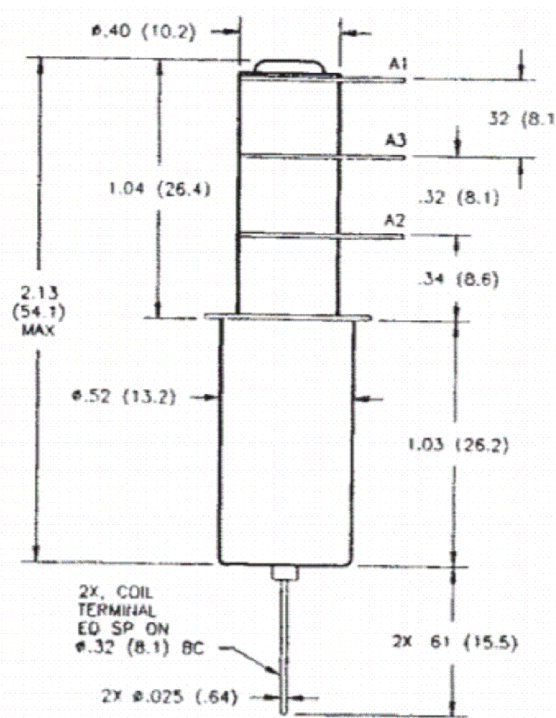
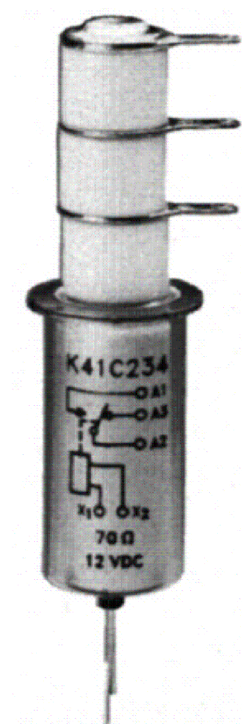
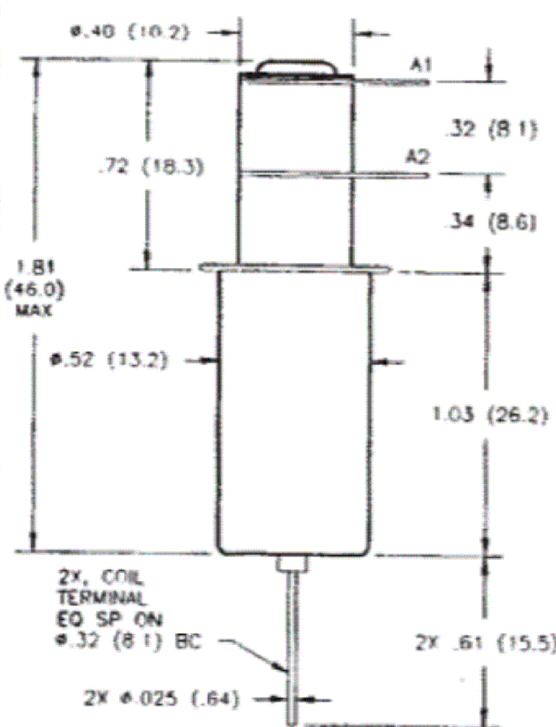
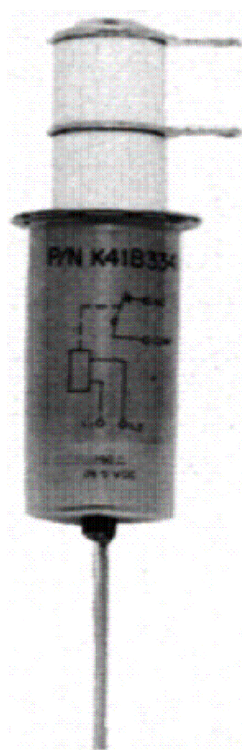
Operating Ambient Temperature

Range — -55°C to +125°C

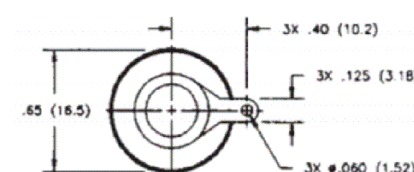
Mechanical Life — 2 million cycles

Weight, Nominal —

28.35 g (1.0 oz.)

K41A, K41B
Product Facts

- High current carry rating
- Vacuum dielectric for power switching low current loads
- Glazed ceramics for low current leakage
- Compact, space-saving design
- Meets requirements of MIL-R-83725
- QPL versions available, M83725/21 & M83725/22

K41C
Product Facts

- Single pole, double throw version
- Vacuum dielectric for power switching low current loads
- RF ratings to 32 MHz
- Long life: 2 million cycles
- Meets requirements of MIL-R-83725
- QPL version available, M83725/23

ALL DIMENSIONS ARE IN INCHES(MM)

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DWN RV 05SEP2019

CHK RV 05SEP2019

APVD JR 05SEP2019

PRODUCT SPEC

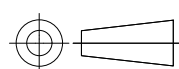
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APPLICATION SPEC

—

WEIGHT —

CUSTOMER DRAWING

DIMENSIONS:
INCHESTOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC ± —
1 PLC ± —
2 PLC ± —
3 PLC ± —
4 PLC ± —
ANGLES ± —

MATERIAL

FINISH



TE Connectivity

NAME

K41P SERIES MAKE AND BREAK
LOAD SWITCHING

SIZE

A3

CAGE CODE

—

DRAWING NO

C-K41P-SERIES

RESTRICTED TO

—

SCALE NTS

SHEET 1 OF 1

REV A

Mouser Electronics

Authorized Distributor

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