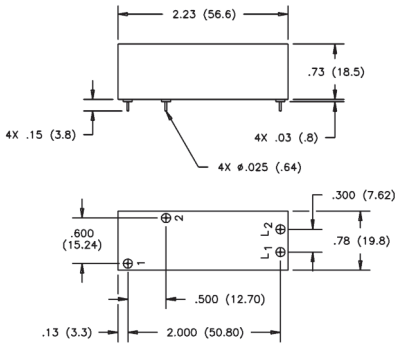
PD5 Make & Break Load Switching

Product Facts

- **Vacuum dielectric for power switching**
- **Excellent for control applications**
- **PCB and panel mountings**
- **Rugged design for the most demanding applications, including seismic shock**
- **Small size and weight**
- **Low power consumption**
- **No heat sinks required**
- **Vacuum-sealed; can operate in explosive and harsh environments**
- **2000 V isolation across open contacts**





Product Specifications

Contact Arrangement —
PD5A — SPST-NO
PD5B — SPST-NC

Contact Form —
PD5A — A**
PD5B — B**

Rated Resistive Load @ 320 Vdc — 5 A

Continuous Current Carry, Max. @ 85°C — 15 A

Overload @ 320 Vdc, (Make/Break) — 20 A

Life, (Mechanical/Rated Load) — 500k cycles/50k cycles

Contact Resistance, Max., End of Life — 0.010 ohm

Dielectric at Sea Level — Power Terminals to Coil and All Other Points — 1,800 Vrms

Shock, 11ms, 1/2 Sine (Peak) — 25 g

Vibration, Sinusoidal (55-2000 Hz, Peak) — 5 g

Operating Ambient Temperature Range — -40°C to +85°C

Operate Time, Max., Including Bounce @ 25°C — 10 ms

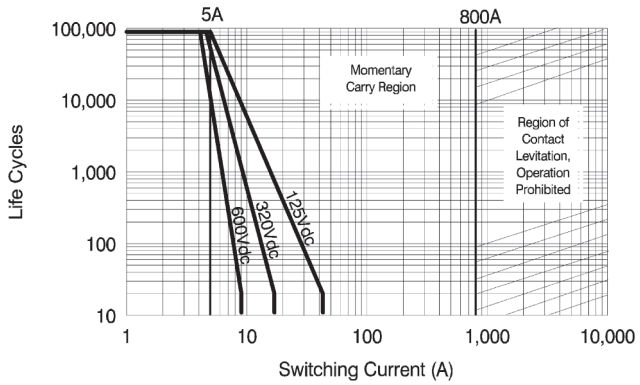
Release Time, Max., Including Bounce @ 25°C — 10 ms

Insulation Resistance @ 500 Vdc, Min. —
Initial/End of Life — 100 mohm/50 mohm

Weight, Nominal —
57 g (.125 lb)

Note:
**Contact TE for availability of other contact forms

Contact Ratings*



*Based on extrapolated data. Since each application is unique, user is encouraged to verify rating in actual application. The load terminals should always be connected as follows: Common Contact (A2) positive; Other Contact negative.

Coil Data

Nominal Volts DC	12 Vdc	24 Vdc	125 Vdc
Max. Coil Voltage	14 Vdc	28 Vdc	130 Vdc
Pickup, Max. @ 85°C	8 Vdc	16 Vdc	80 Vdc
Hold, Min. @ 85°C	3.3 Vdc	10 Vdc	33 Vdc
Dropout, Min. @ -40°C	.5 Vdc	1 Vdc	5 Vdc
Coil Resistance (±10%)	70 Ω	290 Ω	4700 Ω

Ratings listed are for 25°C, sea level conditions

Ordering Information

Sample Part Number ▶ **PD5 A 2 3 5**

Series:

Contact Form:
A = SPST-NO
B = SPST-NC
C = SPDT (PCB Only)

Coil Voltage:
2 = 12 Vdc, PCB Version
3 = 24 Vdc, PCB Version
5 = 125 Vdc, PCB Version
A = 12 Vdc, Panel Mount Version
B = 24 Vdc, Panel Mount Version
C = 125 Vdc, Panel Mount Version

Power Terminals:
3 = PCB Solder Connection
5 = Stud Terminal, Panel Mount

Mounting:
5 = PCB Mount
7 = Panel Mount

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.

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UK: +44 800 267 666

For additional support numbers please visit www.te.com

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