



LATCHING RELAY

2PDT - 2 A | DC COIL

Series

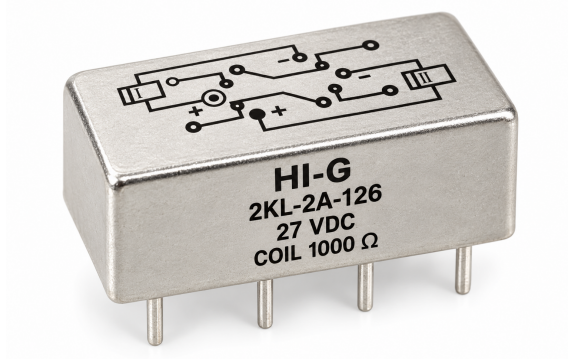
2KL

Product Description

Hermetically sealed, magnetically latching relay with two changeover contacts. Separate set and reset coils retain the selected contact state without continuous coil power.

Construction Features

- 2 form C contacts (DPDT)
- Bistable operation, two DC coils
- 2 A resistive switching at 28 VDC
- Compact sealed metal enclosure
- 10 pin terminals



Environmental and Physical Specifications

Parameter	Specified data
Temperature range	-65°C to +125°C
Relative humidity / low air pressure	98% at 40°C / 4.0 kPa
Sinusoidal vibration	294 m/s ² (approximately 30 g), 10 to 3000 Hz
Shock / steady-state acceleration	980 m/s ² / 980 m/s ² (approximately 100 g)
Hermetic leakage rate	1 × 10 ⁻³ Pa·cm ³ /s maximum
Weight / body dimensions	14.2 g maximum / 20.5 × 10.5 × 10.5 mm maximum

Electrical Characteristics

Parameter	Specified data
Resistive contact rating / electrical life	2 A at 28 VDC / 100,000 operations
Contact resistance	50 mΩ maximum
Operate / reset time	5 ms maximum
Minimum coil pulse width	15 ms
Insulation resistance	1000 MΩ minimum: open contacts, contact groups, coil to contacts and other insulation paths
Dielectric strength	500 Vrms, 50 Hz, all listed insulation paths
Coil power	Approximately 0.73 W



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Coil Data

Voltage code	Nominal VDC	Maximum VDC	Coil resistance Ω	Operate / reset max. VDC, 25°C	Operate / reset max. VDC, -65°C to +125°C
106	6	8	63 $\pm 10\%$	3.3	4.5
112	12	15	254 $\pm 10\%$	6.6	9.0
118	18	22.5	580 $\pm 10\%$	10.0	13.6
126	27 (28)	32	1000 $\pm 15\%$	13.2	18.0
148	48	60	3800 $\pm 15\%$	26.4	37.0

How to Order

2KL - 2 A - 126

Field	Code and configuration
Series	2KL - bistable 2PDT relay
Terminal style	2 = pin terminals
Mounting style	A = unflanged; B = side flanges; C = horizontal flanges
Voltage code	106 = 6 VDC; 112 = 12 VDC; 118 = 18 VDC; 126 = 27 (28) VDC; 148 = 48 VDC

Available Part Numbers

Mounting A	Mounting B	Mounting C	Nominal VDC
2KL-2A-106	2KL-2B-106	2KL-2C-106	6
2KL-2A-112	2KL-2B-112	2KL-2C-112	12
2KL-2A-118	2KL-2B-118	2KL-2C-118	18
2KL-2A-126	2KL-2B-126	2KL-2C-126	27 (28)
2KL-2A-148	2KL-2B-148	2KL-2C-148	48

Coil Operation

Apply a pulse of at least 15 ms to the selected set or reset coil. Observe the polarities shown in the terminal-side wiring diagram. The relay retains its last switched state after coil power is removed.



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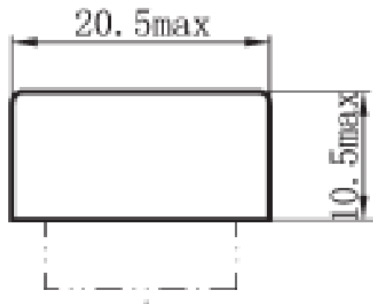
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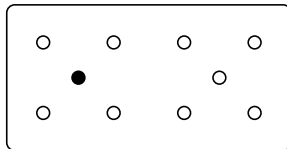
2KL

Mounting Styles and Outline Dimensions

A - Unflanged

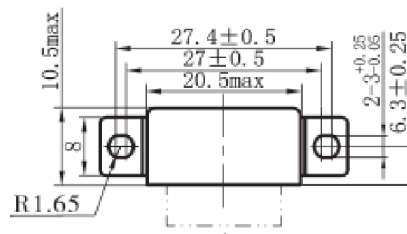


Pitch 5.08 / outer span 15.24

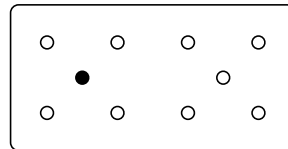


Terminal layout (bottom view)

B - Side flanges

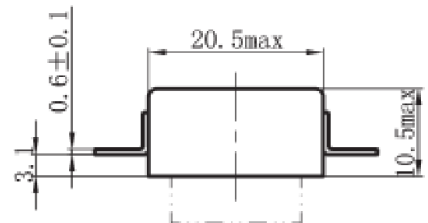
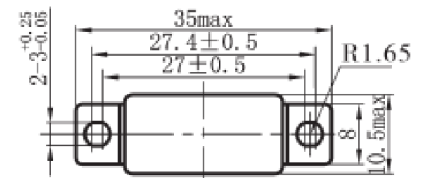


Overall width 35 max.



Terminal layout (bottom view)

C - Horizontal flanges

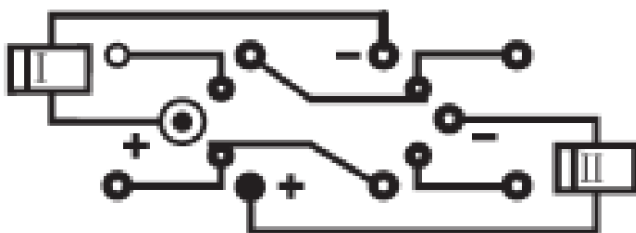


Terminal and Mechanical Data

Parameter	Dimension
Pin terminals / length	10 × Ø0.8 ±0.1 mm / 5 ±0.5 mm
Terminal pitch / outer span	5.08 mm / 15.24 mm
Flanged overall width	35 mm maximum
Unspecified dimensional tolerance	±0.3 mm

Dimensions in millimetres. Drawings not to scale.

Wiring Diagram



Terminal-side view

Two-coil magnetic latching, 2PDT.
Observe the marked + / - coil polarity.
Contrasting bead identifies the reference terminal.