



KCP series

2 Amp, Enclosed Current Actuated Relay



Features

- DC current sensitive relay.
- Enclosed in a clear polycarbonate dust cover.
- Operates on 125mW per movable arm.
- Up to 3 Form C (3PDT) contact arrangements.
- 8- or 11-pin octal-style plugs.

Contact Data @ +25°C

Arrangements: 1 Form C (SPDT), 2 Form C (DPDT) and 3 Form C (3PDT).
Ratings: 2 amps @ 120VAC, 60 Hz.
Material: Silver.
Expected Life: 15 million operations, mechanical;
 100,000 operations, minimum, at rated load.

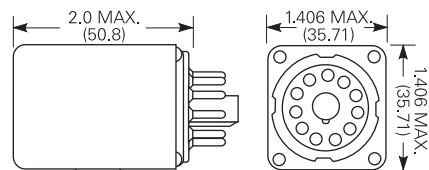
Initial Dielectric Strength

Between Open Contacts: 500V rms.
Between Adjacent Contacts: 500V rms.
Between Contacts and Coil: 500V rms.

Coil Data @ +25°C

Nominal Power: 125mW for 1 Form C (SPDT) models;
 250mW for 2 Form C (DPDT) models;
 375mW for 3 Form C (3PDT) models.
Maximum Power: 3.0W.
Duty Cycle: Continuous.
Initial Insulation Resistance: 1,000 megohms, minimum.

Outline Dimensions



Note: KCP-14 shown. KCP-5 and KCP-11 have 8-pin bases.

Coil Data

Contact Arrangement	Coil Resistance (Ohms)	Factory Adjustment Pick-up mA DC
1 Form C	2,500	7.2
	5,000	5.0
	10,000	3.6
2 Form C	2,500	10.0
	5,000	7.2
	10,000	5.0
3 Form C	2,500	12.3
	5,000	8.7
	10,000	6.1

Operate Data @ +25°C

Operate Time: 20 milliseconds, excluding bounce.
Release Time: 10 milliseconds, excluding bounce.

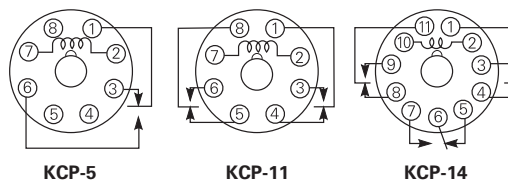
Environmental Data

Operating Temperature Range: -45°C to +70°C.

Mechanical Data

Termination: 8- or 11-pin octal-style plug.
Enclosure: Plastic dust cover.
Sockets: Various sockets and accessories are available. Consult your Tyco Electronics authorized distributor or sales engineer for details.
Weight: 2.9 oz. (82.2g) approximately.

Wiring Diagrams (Bottom Views)



Ordering Information

	Typical Part Number >	KCP	-11	-5000
1. Type: KCP = Enclosed, DC current sensitive relay with octal-style plug for socket mounting.				
2. Contact Arrangement: 5 = 1 Form C (SPDT) 11 = 2 Form C (DPDT) 14 = 3 Form C (3PDT)				
3. Coil Resistance: 2,500 = 2,500 Ohms 5,000 = 5,000 Ohms 10,000 = 10,000 Ohms				

Note: All part numbers are RoHS compliant.

Our authorized distributors are more likely to maintain the following item in stock for immediate delivery.

KCP-11-10000

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Catalog 1-1773449-2
 Revised 1-08
 www.tycoelectronics.com

Dimensions are in inches and millimeters unless otherwise specified. Values in parentheses are metric equivalents.

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

USA: 1-800-522-6752
 Canada: 1-905-470-4425
 Mexico: 1-800-733-8926
 C. America: 52-55-1106-0803

South America: 55-11-2103-6000
 Hong Kong: 852-2735-1628
 Japan: 81-44-844-8013
 UK: 44-208-420-8341