25 Amp Power Relay — PC735



FEATURES

- 1/4 inch male QC terminals
- Up to 25 amp switching capacity
- Up to 1 1/2 horsepower rating
- 1 and 2 pole rated 10 amps at 600 VAC
- Available with push to test button
- Available with indicator light
- Available with side or top mounting flange

File # E93379 Certificate # LR 109231

UL/CSA RATINGS

Load Type	Voltage	1 Pole & 2 Pole All Contacts	3 Pole All Contacts
General Purpose	120 VAC	25 A	20 A
	277 VAC	25 A	20 A
	28 VDC	20 A	15 A
Resistive	120 VAC	25 A	20 A
	277 VAC	25 A	20 A
	600 VAC	10 A	—
Motor	240 VAC	1 1/2 HP	1 HP
	120 VAC	1 HP	3/4 HP

CONTACT DATA

Material		AgCdO (Silver Cadmium Oxide)
Initial Contact Resistance		50 milliohms max @ 1A, 6VDC
Service Life	**Mechanical**	1 X 10^7 Operations
	Electrical	1 X 10^5 Operations

CHARACTERISTICS

Operate Time	15 ms. Max.
Release Time	10 ms. Max.
Insulation Resistance	1,000 megohms min, at 500VDC, 50%RH
Dielectric Strength	1600 Vrms, 1 min. between coil and contacts 1000 Vrms, 1 min. between open contacts 1600 Vrms, 1 min. between contact poles
Shock Resistance	10 g, 11ms, functional; 100 g, destructive
Vibration Resistance	DA 2 mm, 10-50 Hz
Power Consumption	DC coil 1.2 W, AC coil 3 VA
Ambient Temperature Range	-40 to 70 C, -40 to 130 C storage
Weight	80 grams approx.

ORDERING INFORMATION

Example:	PC735-	2C-	C1-	LM	120 A

Model

Contact Form
1C, 2C, or 3C

Case Style
C: Plain Case, C1: Side Flange, C3: Top Flange

Options
Nil: None; L: Indicator light; M: Push to test; P: PC Pins

Coil Voltage
XXX VDC or XXX VAC

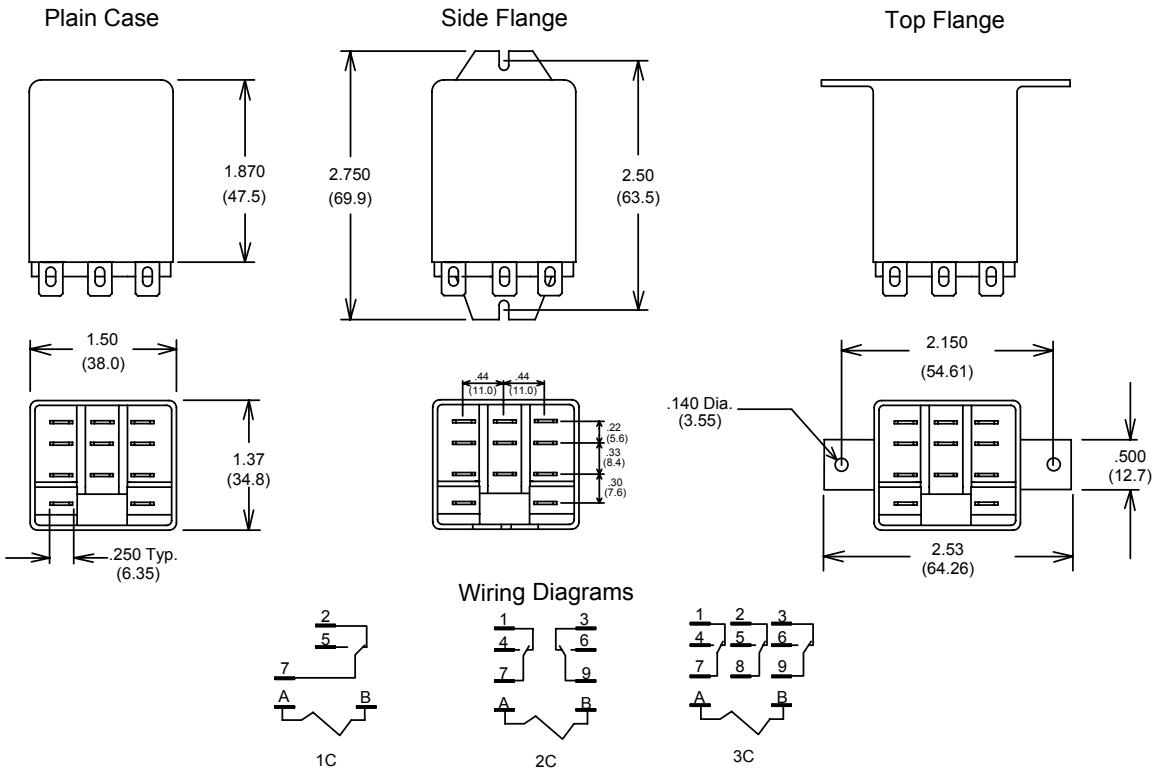
3220 Commander Drive, Suite 102, Carrollton, Texas 75006
Sales: Call Toll Free (888)997-3933 Fax (818) 342-5296 email: pickerwest@sbcglobal.net URL: pickercomponents.com

COIL DATA

Voltage Type		Coil Voltage	Resistance ohms ± 10%	Coil Power	Must Operate Voltage Max.	Must Release Voltage Min.
DC		6	32	1.2 W	4.5	0.6
		12	120		9.0	1.2
		24	472		18	2.4
		48	1800		36	4.8
		110	10000		82.5	11.0
		125	10000		93.75	12.5
AC	1C & 2C	12	18.0	3.0 VA	9.6	1.2
		24	72.0		19.2	2.4
		120	1700		102	12.0
		240	7200		204	24.0
	3C	12	14.5	3.4 VA	93.5	1.2
		24	64.0		19.2	2.4
		120	1540		102	12.0
		240	6750		204	24.0

Note: Custom coil voltages within the ranges shown are available on special order.

Dimensions in Inches (Millimeters)



Tolerances ± .010 unless otherwise noted

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