

40 Amp Power Relay

cULus E86876

PC740



FEATURES

- ¼ Inch Male Quick Connect Terminals
- Up to 40 Amp Switch Capacity
- Up to 2 Horsepower Rating
- Compatible with SC740 Din Rail Socket
- Top or Side Flanged Case or PC Mounting
- AC Coils up to 240VAC or DC Coils up to 110VDC



UL / cUL RATINGS

Contact Form	2A DPST NO, 2C DPDT, 3A 3PST NO, 3C 3PDT	
Rated Load	Voltage	Amps
Resistive, 6K cycles, 50°C	120VAC	40A
Resistive, 6K cycles, 50°C	250VAC	30A
General Purpose, 6K cycles, 50°C	250VAC	40A
1-½ hp, 50°C	120VAC	
2 hp, 50°C	250VAC	

CHARACTERISTICS

Insulation Resistance	500 MΩ min. at 500 VDC
Dielectric Strength	1500 Vrms, between contacts 2500 Vrms, between coil & contacts
Power Consumption	DC Coil : 2.5W; AC Coil : 5.5VA
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40°C to 85°C
Storage Temperature	-40°C to 85°C
Shock Resistance	10g functional
Vibration Resistance	2mm double amplitude 10~55Hz
Weight	130g

CONTACT DATA

Maximum Switching Power	10K VA, 1120W
Maximum Switching Voltage	250VAC, 25VDC
Maximum Continuous Current	40 A
Material	AgCdO ₂
Initial Contact Resistance	100 mΩ max.
Service Life	Mechanical 1 x 10 ⁷ operations
	Electrical 1 x 10 ⁵ operations

Values can change due to the switching frequency, desired reliability levels, environmental conditions, and in-rush current levels. It is recommended to test to actual load conditions for the application. It is the users responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

ORDERING INFORMATION

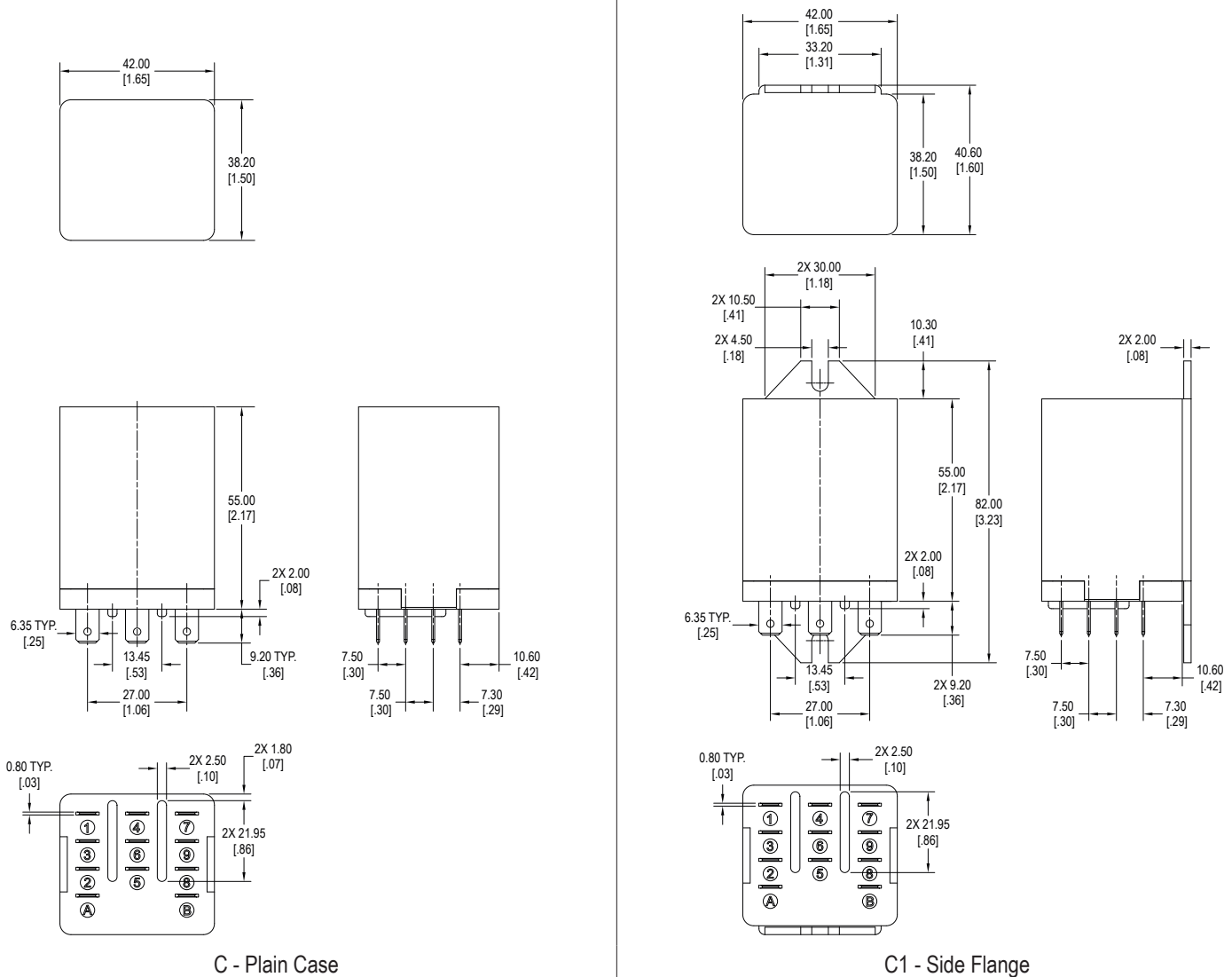
Example	PC740	-2C	-C	-120A	-P	B
Model:	PC740					
Contact Form:	2A 2C	3A 3C				
Mounting Version:	C = Plain Case C1 = Side Flange C3 = Top Flange					
Coil Voltage:	12A = 12VAC 12D = 12VDC 24A = 24VAC 24D = 24VDC 48A = 48VAC 48D = 48VDC 120A = 120VAC 110D = 110VDC 220A = 220VAC 240A = 240VAC					
Terminal Type:	Nil = Quick Connect P = PC Pins					
RoHS Compliance:	Nil = RoHS Compliant					
Insulation:	Nil = Class B					

COIL DATA

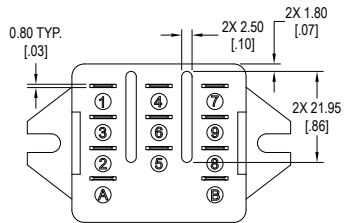
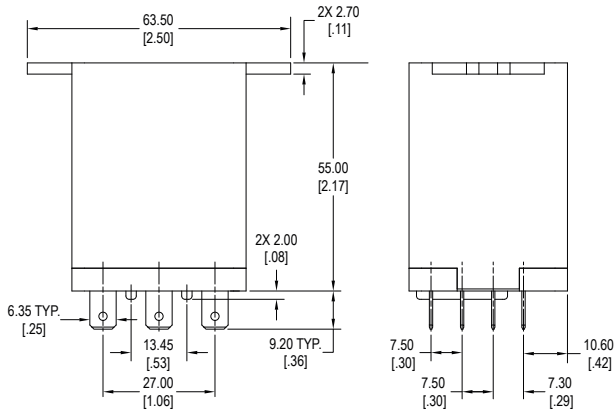
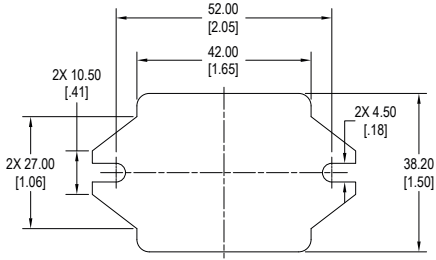
Voltage Type	Coil Voltage		Resistance $\Omega \pm 10\%$	Must Operate Voltage Max (VDC)	Must Release Voltage Min (VDC)
	Rated	Max			
DC 2.5W	12	13.2	58	9.6	1
	24	26.4	230	19	2
	48	52.8	921	38	5
	110	121	4840	176	11
AC 5.5VA	12	13.2	8.4	19	4
	24	26.4	34	38	7
	48	52.8	134	88	14
	120	132	706	176	33
	220	242	2820	192	66
	240	264	3216	384	72

NOTE : The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

DIMENSIONS mm (inches)

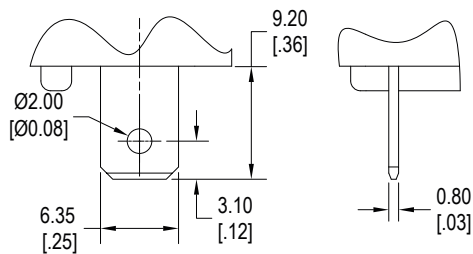


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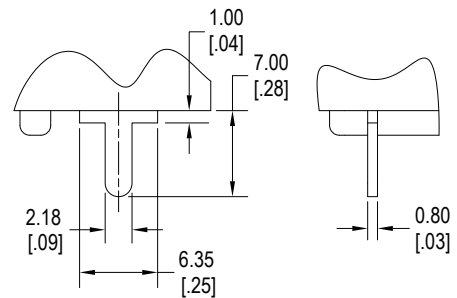


C3 - Top Flange

TERMINALS mm (inches)

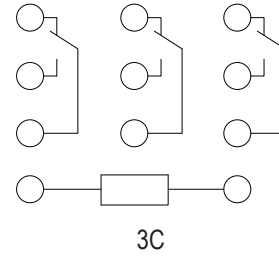
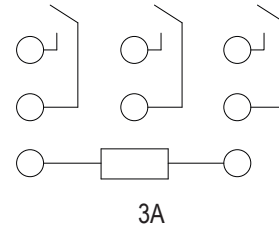
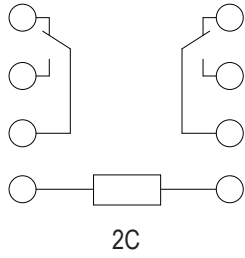
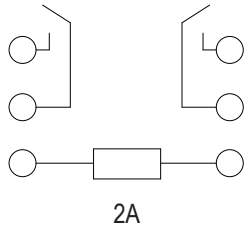


Quick Connect



PC Pins

SCHEMATICS *Bottom Views*



PC LAYOUT

