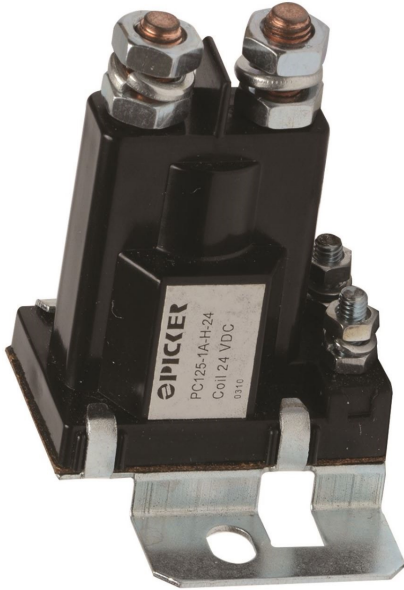


100 Amp D.C. Power Contactor

PC120



Features

- Direct Insert Mounting
- Contact Switching Capacity up to 400 Amps
- Internal Resistors Available
- RoHS Compliant
- Compatible with White Rogers/Stancor 120-9xx Series
- UL94-VO Rated Case Material

Cross Reference

Stancor	Picker
120-901	PC120-901
120-902	PC120-902
120-903	PC120-903
120-904	PC120-904
120-905	PC120-905

Part Number	Duty Cycle	Terminal Type	Pole Form	Bracket Style	Coil Voltage D.C.*	Coil Resistance (Ohms) @ 25°C	Contact Material	Contact Rating (Amps) Inductive Load			Dimensions Inches			Weight (Oz)
								Volt D.C.	Normally Open		Case			
									Continuous	Inrush	L	W	H	
PC120-901	Continuous	4	SPNO	Standard	12	16.0	Silver Alloy	12	100	400	2.125	2.875	3.253	6.0
PC120-902	Continuous	4	SPNO	Standard	15	20.8	Silver Alloy	15	100	400	2.125	2.875	3.253	6.0
PC120-903	Continuous	4	SPNO	Standard	18	37.0	Silver Alloy	18	100	400	2.125	2.875	3.253	6.0
PC120-904	Continuous	4	SPNO	Standard	24	64.0	Silver Alloy	24	100	400	2.125	2.875	3.253	6.0
PC120-905	Continuous	4	SPNO	Standard	36	160.0	Silver Alloy	36	100	400	2.125	2.875	3.253	6.0

*Coil Voltages 6, 14, 48 are available as special order.

CONTACT DATA

Volts (VDC)	Continuous (A)	Inrush (A)	Electric Life	Contact Material
12	80	400	1 X 10 ⁴	Copper
12	100	400	5 X 10 ⁴	Silver Alloy
24	100	400	5 X 10 ⁴	Silver Alloy
36	100	400	2.5 X 10 ⁴	Silver Alloy

ORDERING INFORMATION

Example:	PC120	-901	-Z	H	-22	-C	388
Model:	PC120-9xx						
Coil Voltage:	01: 12; 02: 15; 03: 18; 04: 24; 05: 36 VDC						
Mounting Bracket Plating:	Nil: Bare Metal, Z: Zinc Plater						
Hardware:	Nil: None; H: Hardware Included						
Coil Terminal Length:	Nil: .451"; 22: .22"						
Contact Material:	Nil: AgCdO; C: Copper						
Contact Termination:	Nil: .495"; 388: .388"						

DESIGN DATA												
D.C. Type	Coil Rating	Operation in % of Nominal Coil Rating		Breakdown Voltages All Terminals—60 Hz RMS			Contact Material	Electrical Life		Mechanical life		Ambient °F Max
		Nominal Magnetic Coil Rating (Watts)	Pick-up	Max. State Operate	Opposite Polarity VDC	Open Contacts Same Polarity VDC		To Ground VDC	Power	Operations at Rated Load	Operations per Minute	
120	8.1	75%	110%	500	500	500	Copper	10,000	2	100,000	30	150
120	8.1	75%	110%	500	500	500	Silver Alloy	50,000	2	100,000	30	150

Power (Approximate)

- Continuous 8.1 Watts

TerminationsStandard:

- Contacts: 5/16 - 24 studs, .495" min Length, UNF - 2A Thread
 - Coil: #10-32, .451" min Length - 2A Thread

Optional:

- Contacts: 5/16 - 24 studs, .495" min Length
 - Coil: #10-32, .451" min Length

Hardware Torque Specifications

Contact Terminal*: 45 - 55 inch-lbs

Coil Terminal*: 12 - 18 inch-lbs

* Note: a back up wrench must be used to hold the bottom nut stationary

Temperature Range

- Continuous Duty: -20°F to 120°F

Recommended Mounting

- Coil Terminals Up or Horizontal

COIL DATA					
Coil Voltage (VDC)		Coil Power (mW)		Operate Voltage (VDC)	
		Resistance (Ohms \pm 10%)			
Rated	Max	8.1 W Continuous		Intermittent	Continuous
6	6.9	4.0		4.02	4.5
12	13.2	16.0		8.04	9.0
14	15.4	23.0		9.38	10.5
15	16.5	26.0		10.05	11.25
24	26.4	64.0		16.08	18.0
36	39.6	160.0		24.12	27.0
48	52.8	256.0		32.16	36.0

*Special coils available upon request



3220 Commander Drive, Suite 102 Carrollton, TX 75006

Sales: (972) 713-6272 (888) 997-3933

Fax: (972) 735-0964

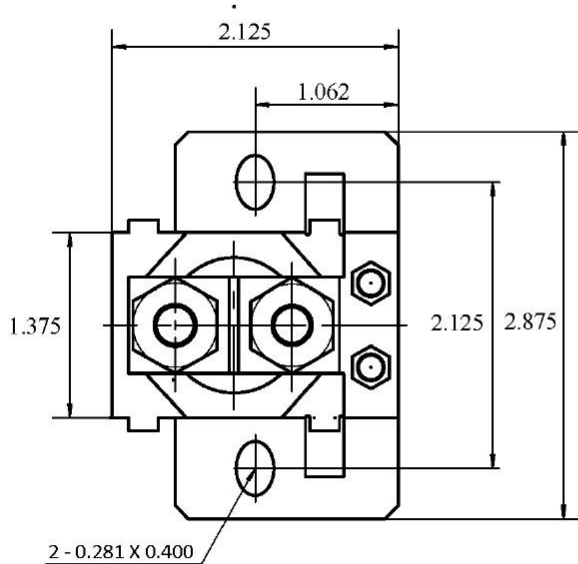
www.PickerComponents.com

e-mail: sales@pickercomponents.com

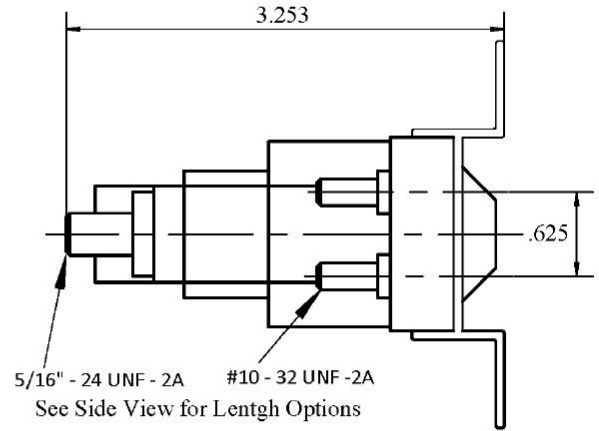
Dimensions are listed for reference purposes only.

Specifications and Availability subject to change without notice.

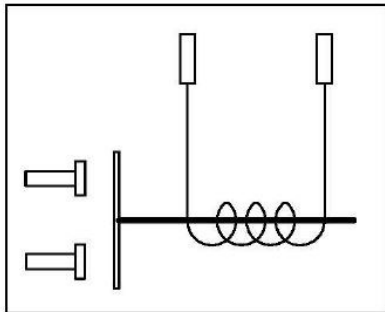
TERMINAL TYPE 4



Relay
(Top View)

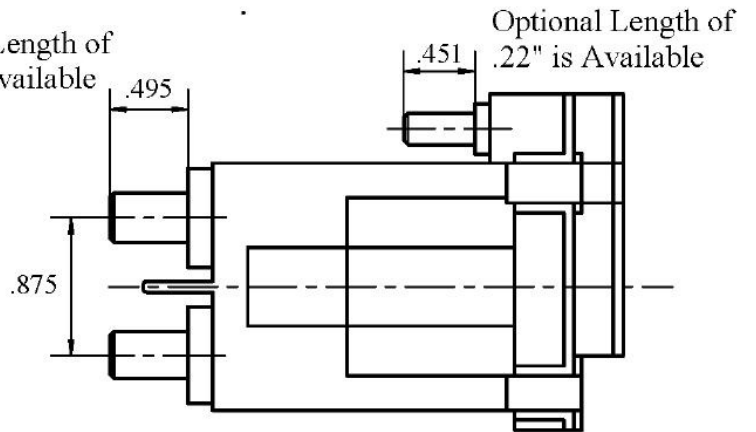


Relay
(Front View)



Wire Diagram
1A

Optional Length of
.388" is Available



Relay
(Side View)