30 Amp Power Relay

c UL us E86876 **PC673**

FEATURES

- Fast-On and Screw Terminal Options
- Dual Contacts — T-Bar Construction
- AC or DC Coil Option
- Test Button Option
- 4KV AC Dielectric Between Contact and Coil
- UL94V-2 Fame Resistant Plastic

RoHS COMPLIANT

UL / cUL RATINGS

Contact Form	1A SPST N.O.	2A DPST N.O.
Resistive, AC-1	30A @ 277VAC	25A @ 277VAC
Inductive, AC-15	3 HP @ 240VAC 1½ HP @ 120VAC	
Max Switching Power	8310 VA	6925 VA

CONTACT DATA

Material	Ag Alloy (Silver Oxide)
Initial Contact Resistance	50 mΩ max. at 6V, 1A
Max Switching Voltage	150VDC, 277VAC
Service Life Mechanical	5 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 applicaiton. 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.

CHARACTERISTICS

Operate Time	30 ms max
Release Time	30 ms max
Insulation Resistance	500 MΩ min. at 500 VDC
Dielectric Strength	4000 VAC 1min, between coil & contacts 2000 VAC 1 min, between poles 2000 VAC, between open contacts
Power Consumption	DC Coil : 1.9W; AC Coil : 1.7VA to 2.5VA
Terminal Strength	8N; 4N PC type
Solderability	260°C 5 s ± 0.5 s
Operating Temperature	-40ºC to 85ºC
Relative Humidity	35% to 85% at 30°C
Shock Resistance	10g
Vibration Resistance	10~55Hz double amplitude 1.5mm
Weight	90g Plug-In: 120g Screw In

ORDERING INFORMATION

Example	PC673	-2A	-TF	-220A		T
Model:	PC673					
Contact Form:	1A 2A					
Mounting Version:	T = Terminals (0.25") TD = Terminals & DIN Rail TF = Terminals & Flange P = PCB Pins SF = Screw Terminals & Flange(1) SD = Screw Terminals & DIN Rail(1)					
Coil Voltage:	6A = 6VAC 12A = 12VAC 24A = 24VAC 48A = 48VAC 110A = 110VAC 220A = 220VAC 380A = 380VAC 400A = 400VAC	6V = 6VDC 12V = 12VDC 24V = 24VDC 48V = 48VDC 110V = 110VDC 220V = 220VDC				
LED:	Nil = no LED L = with LED (only available with screw terminal versions)					
Test Button:	Nil = without Test Button T = with Test Button					

(1) With Finger Guard Cover

20550 Commerce Blvd, Rogers, MN 55374 USA
Sales (763) 535-2339
www.PickerComponents.com
email: sales@PickerComponents.com

Dimensions are shown for reference purposes only.
PC673 Rev B 11/2022

Specifications and availability subject to change without notice.

COIL DATA

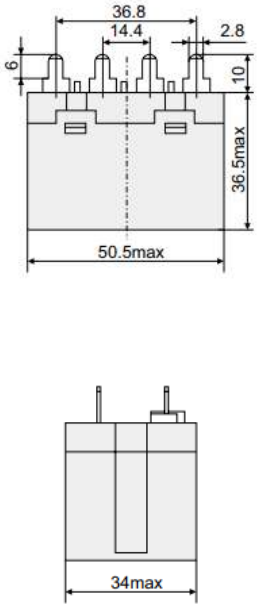
Voltage Type / Coil Power	Coil Voltage		Resistance Ω ± 10%	Must Operate Voltage Max (VDC)	Must Release Voltage Min (VDC)	Coil Power
	Rated	Max				
DC	6	6.6	18.9	4.5	0.9	1.9W
	12	13.2	75	9.0	1.8	
	24	26.4	300	18.0	3.6	
	48	52.8	1220	36.0	7.2	
	110	121	6360	82.5	16.5	
	220	242	25474	165.0	33.0	
AC	6	6.6	17	4.8	0.6	2.5VA
	12	13.2	65	9.6	1.2	
	24	26.4	275	19.2	2.4	
	48	52.8	1100	38.4	4.8	
	110~120	132	5200	88.0	11.0	
	220~240	262	21000	176.0	22.0	
	380	418	62650	304.0	38.0	
	400	440	62650	320.0	40.0	

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 are are not to be used as design criteria.

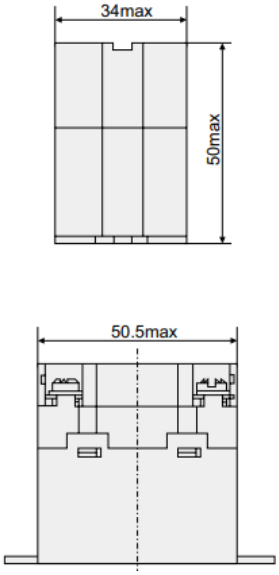
CONFIGURATIONS

		Quick Connect	Screw Terminals	PCB Pins
No Bracket	SPST-NO	PC673-1A-T	-	-
	DPST-NO	PC673-2A-T	-	-
Flange Mounting	SPST-NO	PC673-1A-TF	PC673-1A-SF	-
	DPST-NO	PC673-2A-TF	PC673-2A-SF	-
DIN Rail	SPST-NO	PC673-1A-TD	PC673-1A-SD	-
	DPST-NO	PC673-2A-TD	PC673-2A-SD	-
PCB Mounting	SPST-NO	-	-	PC673-1A-P
	DPST-NO	-	-	PC673-2A-P

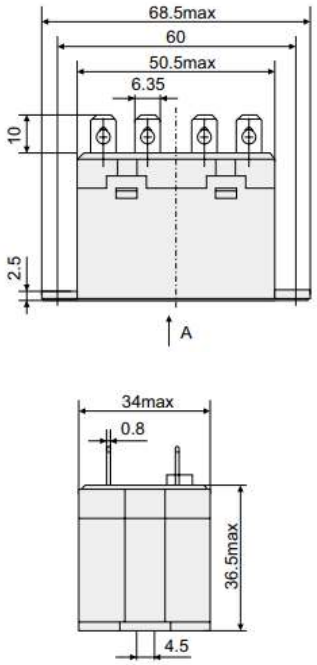
CASE TYPE *mm (inches)*



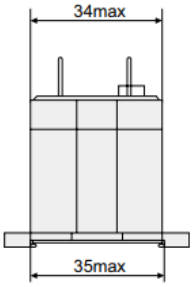
P - PC Terminal

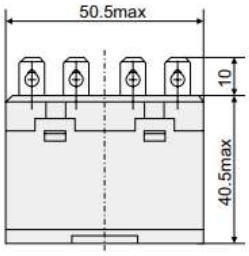


SF - Screw Terminal & Flange

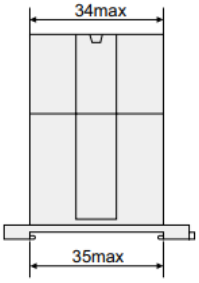


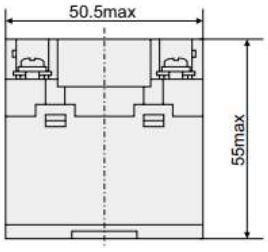
TF - Terminals & Flange





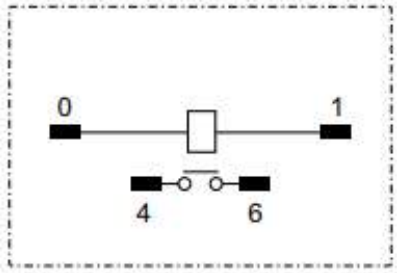
TD - Terminal & DIN Rail



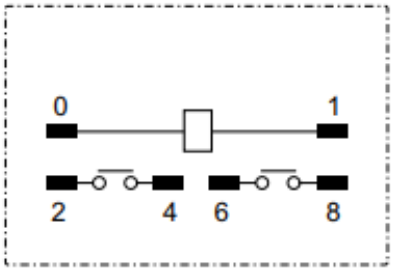


SD - Screw Terminals & DIN Rail

SCHEMATICS *Bottom Views*

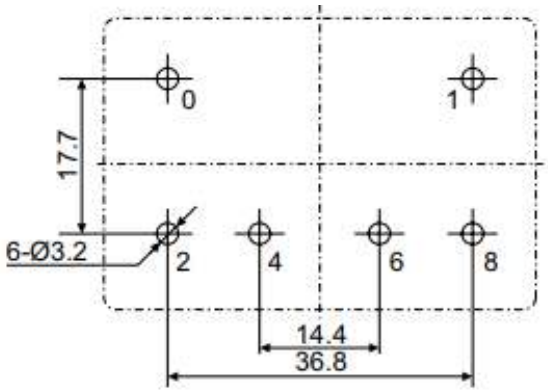


1A

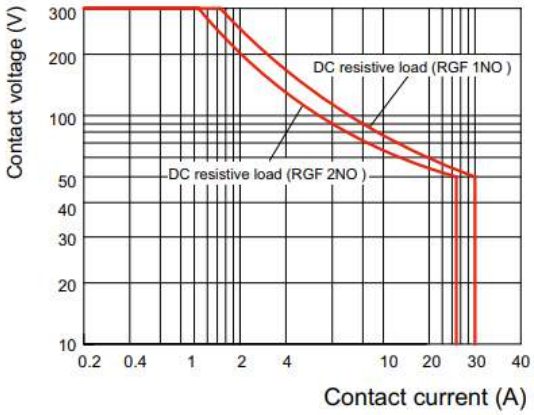


2A

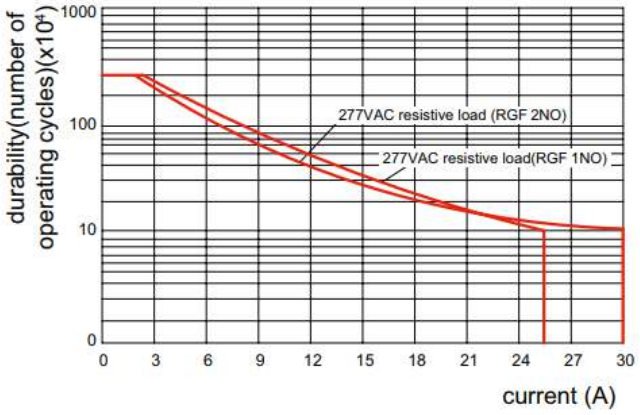
PC LAYOUT *Top View*



REFERENCE DATA



Max Operating Power



Life Expectancy

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