



UL / cUL RATINGS

| Contact Form | 1A SPST N.O. 2A DPST N.C | | | |
|---------------------|--------------------------|---------|--|--|
| Resistive, AC-1 | 30A @ 277VAC 25A @ 277VA | | | |
| 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 m Ω 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 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

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

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 | -40°C to 85°C | | |
| 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 | | |

| Example | | PC673 | -2A | -TF | -220A | Т |
|-------------------|--|--|------------------|------------------|-------------------|---|
| Model: | PC673 | | | | | |
| Contact Form: | 1A 2A | | | | | |
| Mounting Version: | | DIN Rail | | - | | |
| Coil Voltage: | 6A = 6VAC 12A = 12VAC 24A = 24VAC 48A = 48VAC 110A = 110VAC 220A = 220VAC 380A = 380VAC 400A = 400VAC | 6D = 6VDC 12D = 12VDC 24D = 24VDC 48D = 48VDC 110D = 110VDC 220D = 220VDC | | | | |
| LED: | Nil = no LED L = with LED, onl | y available with Screv | w Terminals, cho | ose SF or SD Mou | nting Version (2) | |
| Test Button: | Nil = without Test T = with Test Butt | | | | | - |

(1) With Finger Guard Cover; (2) LED requires cover, available only with SF : Screw Terminals & Flange or SD : Screw Terminals & DIN Rail



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PC673 Rev C 08/2023



PC673

COIL DATA

| Voltage Type | Coil V | Coil Voltage | | Must Operate Voltage Max | Must Release Voltage Min | Coil Power |
|--------------|---------|--------------|-------|-----------------------------|-----------------------------|------------|
| Coil Power | Rated | Max | | (VDC) | (VDC) | |
| | 6 | 6.6 | 18.9 | 4.5 | 0.9 | |
| | 12 | 13.2 | 75 | 9.0 | 1.8 | |
| DC | 24 | 26.4 | 300 | 18.0 | 3.6 | 1.9W |
| DC | 48 | 52.8 | 1220 | 36.0 | 7.2 | 1.900 |
| - | 110 | 121 | 6360 | 82.5 | 16.5 | |
| | 220 | 242 | 25474 | 165.0 | 33.0 | |
| | 6 | 6.6 | 17 | 4.8 | 0.6 | |
| AC - | 12 | 13.2 | 65 | 9.6 | 1.2 | |
| | 24 | 26.4 | 275 | 19.2 | 2.4 | |
| | 48 | 52.8 | 1100 | 38.4 | 4.8 | 2.5VA |
| | 110~120 | 132 | 5200 | 88.0 | 11.0 | 2.5VA |
| | 220~240 | 262 | 21000 | 176.0 | 22.0 | |
| | 380 | 418 | 62650 | 304.0 | 38.0 | |
| | 400 | 440 | 62650 | 320.0 | 40.0 | |

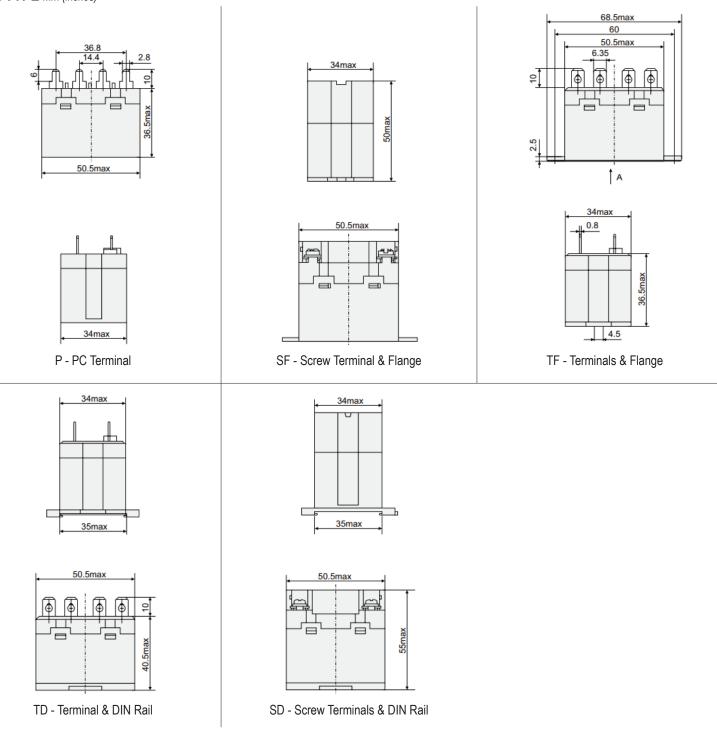
NOTE : The use of any coil voltage less than the rated voltage will compromise the operation of the relays. Must Operate Voltage is listed for test purposes only and is not to be used as design criteria. Pickup and release voltages are for test purposes only are are not to be used as design criteria.

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 |

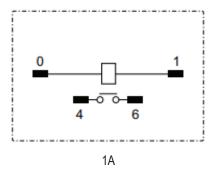


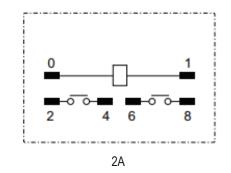
CASE TYPE mm (inches)



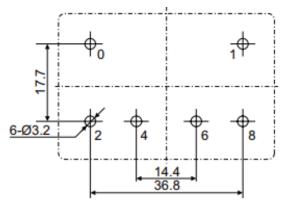


SCHEMATICS Bottom Views

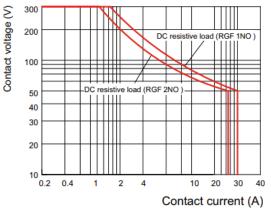




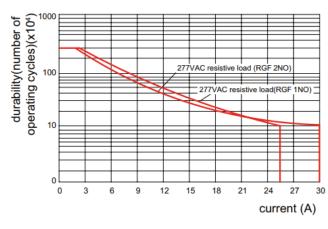
PC LAYOUT Top View



REFERENCE DATA



Max Operating Power



Life Expectancy

