

ARP06F

Features

- Max 10A switching capability
- 1 form A and 1 form C contact arrangement
- Coil voltage: 3~48VDC
- Contact capacity: 5A 30VDC/250VAC
- Outline size: 18×10×15 (mm)



▶ CONTACT DATA

| | |
|--------------------------|------------------------|
| Contact arrangement | 1A 1C |
| Contact Resistance | 50mΩ (1A 24 VDC) |
| Contact material | Ag Alloy |
| Contact rating(Res.load) | 20A 14VDC 5A 250VAC |
| Max.switching voltage | 250VAC 16VDC |
| Max.switching current | 10A |
| Max.switching power | 280W 1250VA |
| Mechanical endurance | 1×10 ⁷ OPS |
| Electrical endurance | 5×10 ⁵ OPS |

▶ CHARACTERISTICS

| | | |
|----------------------------|-------------------------|---------------------|
| Insulation resistance | 100MΩ (at 500VDC) | |
| Dielectric strenght | Between coil & contacts | 1000VAC min |
| | Between open contacts | 500VAC 1min |
| Operate time(at nomi.volt) | 8ms max. | |
| Release time(at nomi.volt) | 5ms max. | |
| Shock resistance | Functional | 98m/s ² |
| | Destructive | 980m/s ² |
| Vibration resistance | 10Hz ~ 55Hz 1.5mm DA | |
| Humidity | 35% ~ 85% RH | |
| Ambient temperature | -40℃ ~70℃ | |
| Termination | PCB | |
| Unit weight | Approx.6g | |
| Construction | Plastic Sealed | |

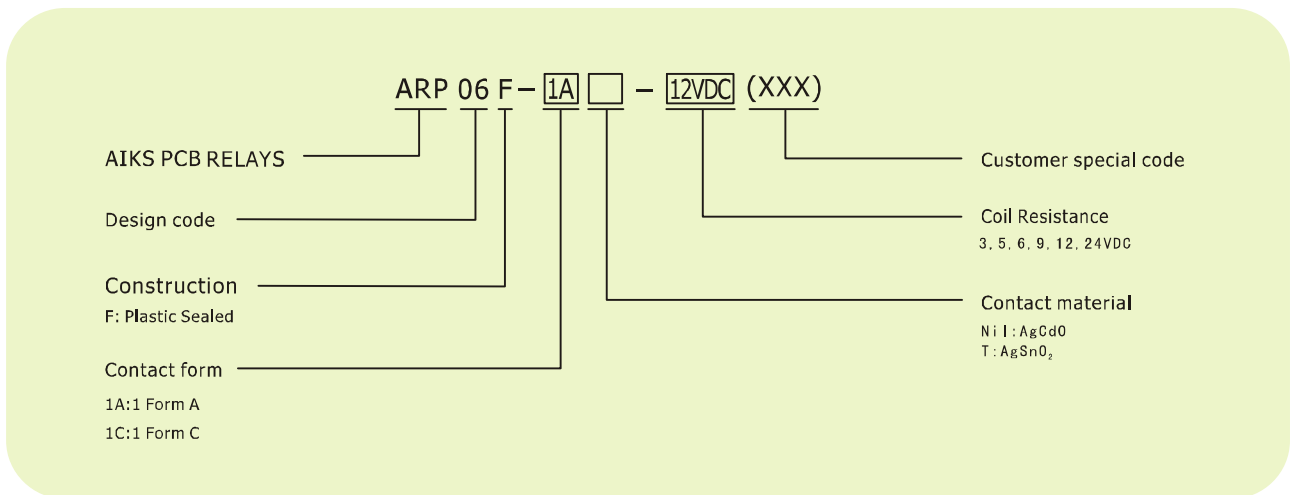
Notes:1)For sealed type,the vent-hole cover should be excised,
2)The data shown above are initial values,
3)Please find coil tempearture curve in the characteristic curves below.

► COIL DATA

| | |
|------------|-------------------|
| Coil power | D:200mW; H:450mW; |
|------------|-------------------|

| Nominal Voltage VDC | Pick-up Voltage VDC | Drop-out Voltage VDC | Max.Allowable Voltage VDC at 85°C | Coil Resistance Ω | |
|---------------------|---------------------|----------------------|-----------------------------------|--------------------------|-------|
| | | | | 0.2W | 0.45W |
| 3 | 2.25 | 0.3 | 3.9 | 45 | 20 |
| 5 | 3.75 | 0.5 | 6.5 | 125 | 55 |
| 6 | 4.50 | 0.6 | 7.8 | 180 | 80 |
| 9 | 6.75 | 0.9 | 11.7 | 400 | 180 |
| 12 | 9.00 | 1.2 | 15.6 | 720 | 320 |
| 24 | 18.00 | 2.4 | 31.2 | 2800 | 1280 |

► MODEL DESCRIPTION



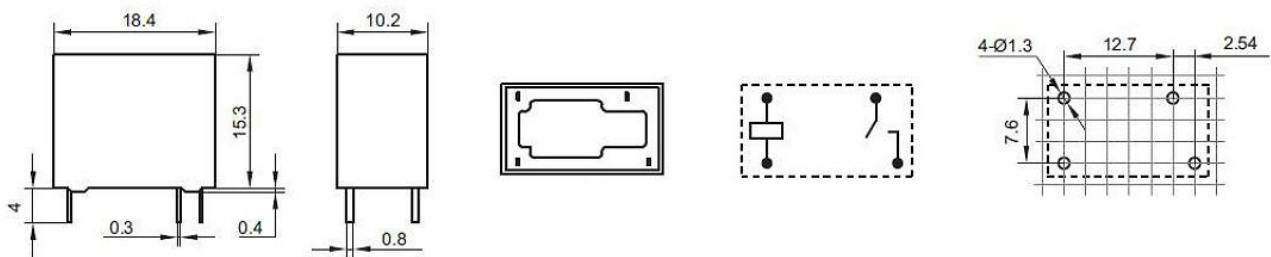
► OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm

1 Form A

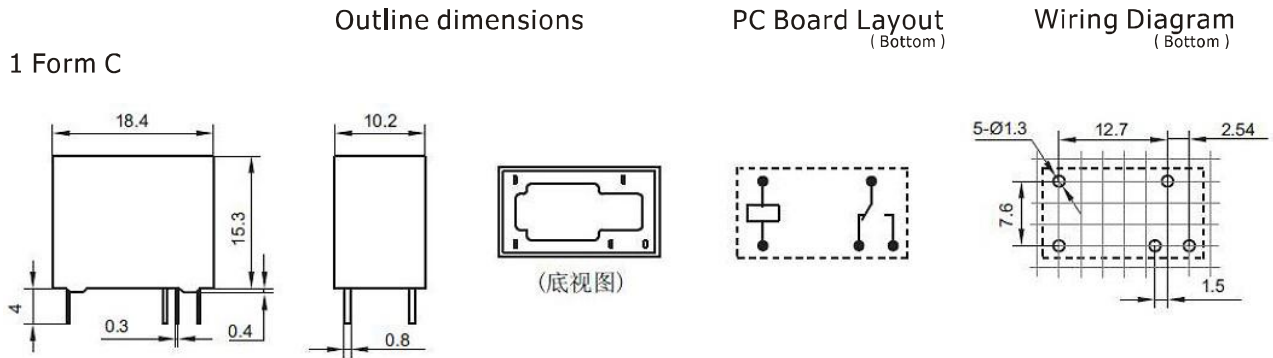
Outline dimensions

PC Board Layout
(Bottom)

Wiring Diagram
(Bottom)



▶ **OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT** Unit: mm



- Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$
- 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.