ARP03F

Features

- Max 12A switching capability
- 1 form A and 1 form C contact arrangement
- Coil voltage: 3~48VDC
- Contact capacity: 10A 28VDC / 240VAC
- Outline size: 19×15.5×15.5 (mm)

▶ CONTACT DATA

Contact arrangement	1A	1C
Contact Resistance	100mΩ(1A 6VDC)	
Contact material	$AgSnO_2$,AgCdO	
Contact rating(Res.load)	10A 227VAC/28VDC	
Max.switching voltage	277VAC/30VDC	
Max.switching current	12A	10A
Max.switching power	2770VA/210W	
Mechanical endurance	1×10^7OPS	
Electrical endurance	1×10^5OPS(NO, 7A 250VAC) 5×10^4OPS(NO, 10A 250VAC)	

▶ CHARACTERISTICS

Insulation resistance		100MΩ(at 500VDC)
Dielectric strenght	Between coil & contacts	1500VAC min
	Between open contacts	750VAC 1min
Operate time(at nomi.volt)		10ms 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.10g
Construction		Plastic Sealed

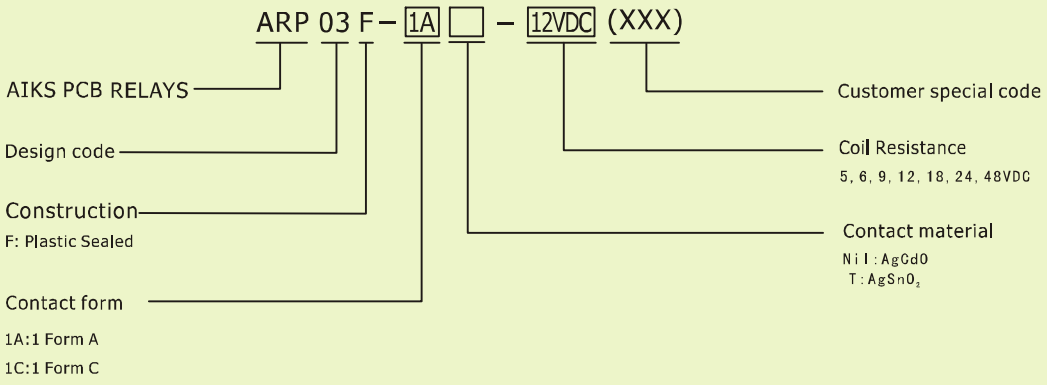
Notes:1)For sealed type,the vent-hole cover should be excised.
2)The data shown above are initial values.
3)Please find coil tempearture curve in the characteristic curves below.

▶ COIL DATA

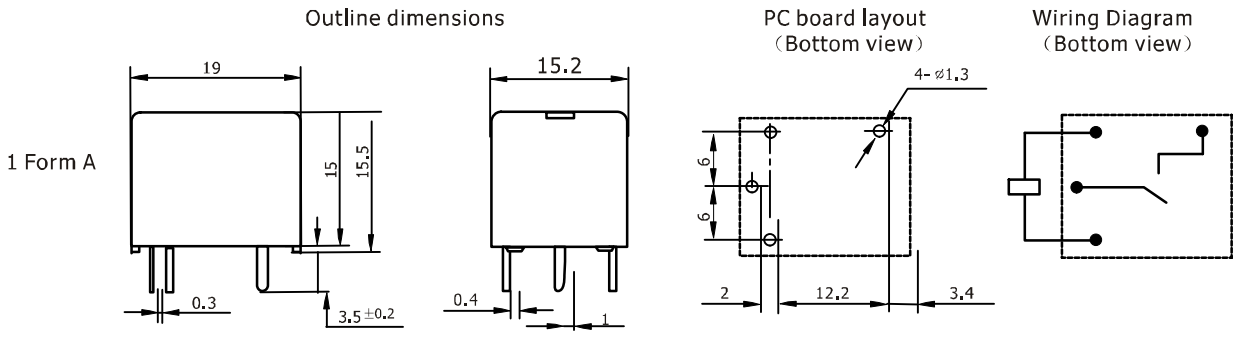
Coil power	5 ~ 24VDC:360mW; 48VDC:510mW

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max.Allowable Voltage VDC at 85℃	Coil Resistance Ω
5	3.80	0.5	6.5	70×(1±10%)
6	4.50	0.6	7.8	100×(1±10%)
9	6.80	0.9	11.7	225×(1±10%)
12	9.00	1.2	15.6	400×(1±10%)
18	13.5	1.8	23.4	900×(1±10%)
24	18.0	2.4	31.2	1600×(1±10%)
48	36.0	4.8	62.4	6400×(1±10%)

▶ MODEL DESCRIPTION



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



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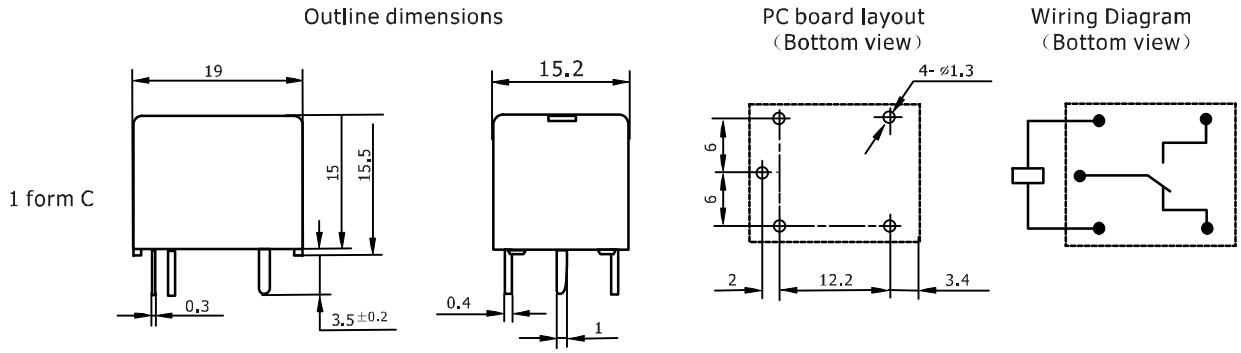

Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ⩽ 1mm, tolerance should be ± 0.2mm; outline dimension > 1mm and ⩽ 5mm, tolerance should be ± 0.3mm; outline dinension > 5mm, tolerance should be ± 0.4mm
2) The tolerance without indicating for PCB layout is always± 0.1mm.。

▶ Characteridtic curves