ARP08F

Features

- Max 2A switching capability
- 2 Form C configuration
- High switching capacity:125VA/60W
- Matching 16 pin IC socket
- Outline size: 21×10.0×12 (mm)

▶ CONTACT DATA

Contact arrangement	2C
Contact Resistance	50mΩ (1A 24 VDC)
Contact material	Silver Alloy
Contact rating(Res.load)	1A 125VAC 2A 24VDC
Max.switching voltage	240VAC/120VDC
Max.switching current	2A
Max.switching power	125VA / 24W
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	600VAC 1min
Operate time(at nomi.volt)		6ms max.
Release time(at nomi.volt)		4ms max.
Shock resistance	Functional	98m/s²
	Destructive	980m/s²
Vibration resistance		10Hz ~ 55Hz 1.5mm DA
Humidity		40% ~ 85% RH
Ambient temperature		-30℃ ~ 70℃
Termination		PCB
Unit weight		Approx.5g
Construction		Plastic Sealed

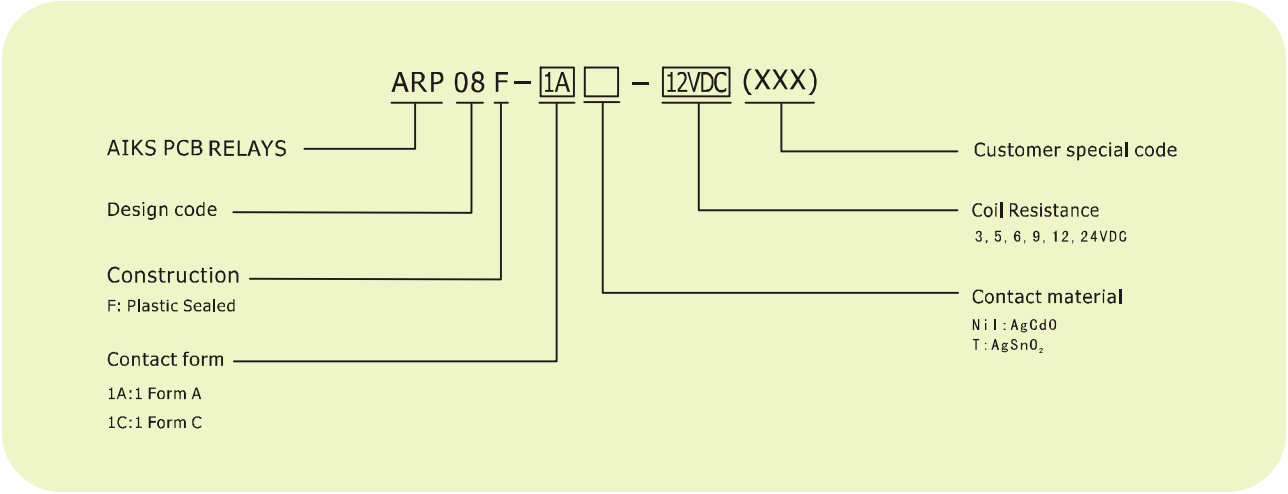
Notes:1)For sealed type,the vent-hole cover should be excised.
2)The data shown above are initial values.
3)Please find coil tempearture curve in the characteristic curves below.

▶ COIL DATA

Coil power	B:150mW; N:200mW; 360mW

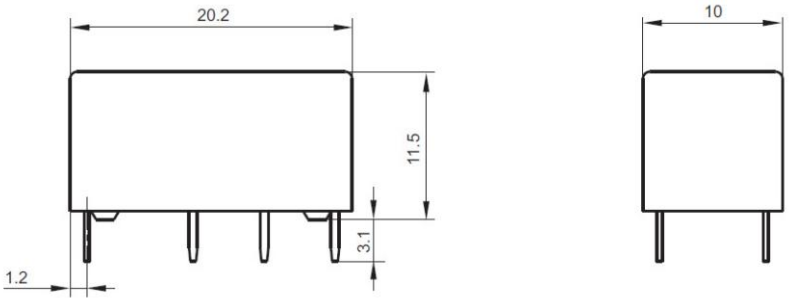
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max.Allowable Voltage VDC at 85℃	Coil Resistance Ω		
				0.15W	0.2W	0.36W
3	2.25	0.3	3.9	60	45	25
5	3.75	0.5	6.5	167	120	70
6	4.50	0.6	7.8	240	180	100
9	6.75	0.9	11.7	540	400	220
12	9.00	1.2	15.6	960	720	400
24	18.00	2.4	31.2	3840	2880	1600

▶ MODEL DESCRIPTION



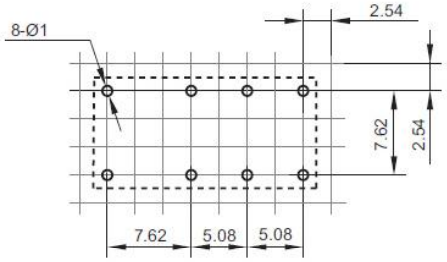
▶ OUTLINE DIMENSIONS,WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm

Outline dimensions

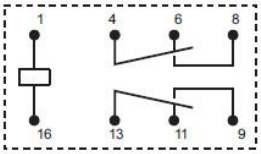


▶ OUTLINE DIMENSIONS,WIRING DIAGRAM AND PC BOARD LAYOUT Unit: mm

PC Board Layout
(Bottom)



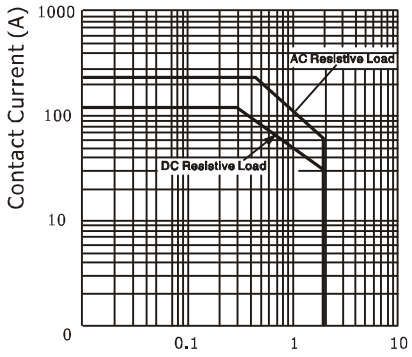
Wiring Diagram
(Bottom)



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

MAXIMUM SWITCHING POWER



ENDURANCE CURVE