

ARP07F

Features

- Max 45A switching capability
- Unenclosed and sealed protected types available
- USA and Europe types choices
- Contact capacity: 40A 14VDC
- Outline size: 17.5×15.0×19.5 (mm)



▶ CONTACT DATA

Contact arrangement	1A 1C
Contact Resistance	50mΩ (1A 24 VDC)
Contact material	Silver Alloy
Contact rating(Res.load)	1A:40A 14 VDC 2C:30A/40A 14VDC
Max.switching voltage	30VDC
Max.switching current	40A
Max.switching power	560W
Mechanical endurance	1×10 ⁷ OPS
Electrical endurance	5×10 ⁵ OPS

▶ CHARACTERISTICS

Insulation resistance	100MΩ (at 500VDC)	
Dielectric strenght	Between coil & contacts	750VAC min
	Between open contacts	500VAC 1min
Operate time(at nomi.volt)	10ms max.	
Release time(at nomi.volt)	10ms max.	
Shock resistance	Functional	98m/s ²
	Destructive	980m/s ²
Vibration resistance	10Hz ~ 55Hz 1.5mm DA	
Humidity	40% ~ 85% RH	
Ambient temperature	-40℃ ~ 85℃	
Termination	PCB	
Unit weight	Approx.21g	
Construction	Plastic Sealed	

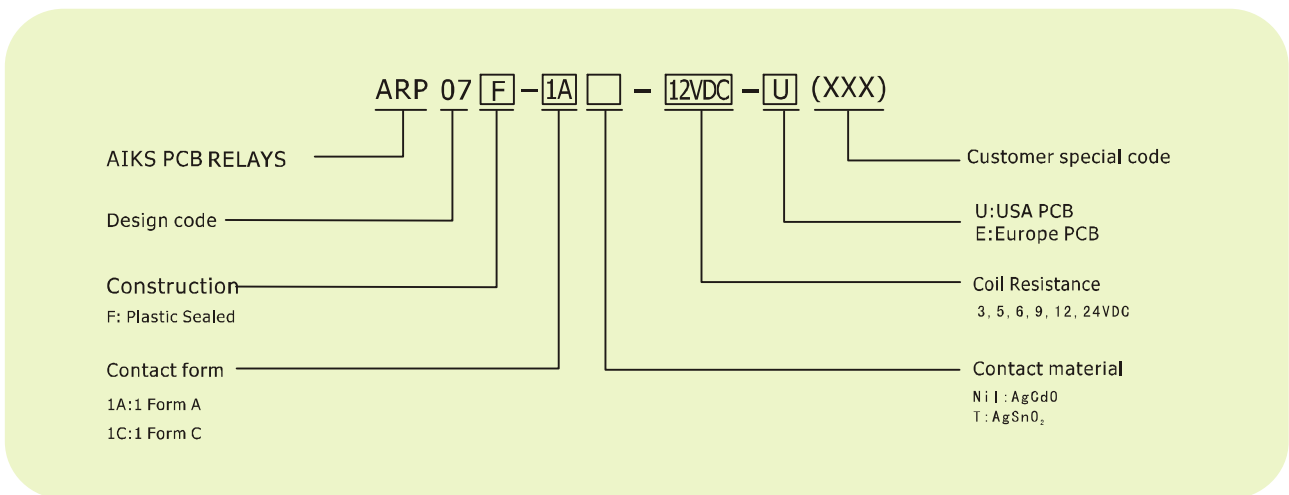
Notes:1)For sealed type,the vent-hole cover should be excised,
 2)The data shown above are initial values,
 3)Please find coil tempearture curve in the characteristic curves below.

► COIL DATA

Coil power	B:1600mW; N:1900mW
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Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC at 85°C	Coil Resistance Ω	
				1.6W	1.9W
3	1.95	0.3	3.9	5.7	4.8
5	3.25	0.5	6.5	15.7	13.2
6	3.90	0.6	7.8	22.5	19.0
9	5.85	0.9	11.7	50.7	42.7
12	7.80	1.2	15.6	90.0	75.8
24	15.6	2.4	31.2	360.0	303.2

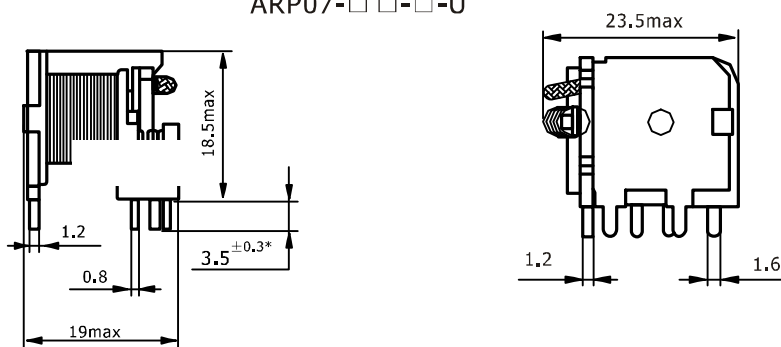
► MODEL DESCRIPTION



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

Outline dimensions

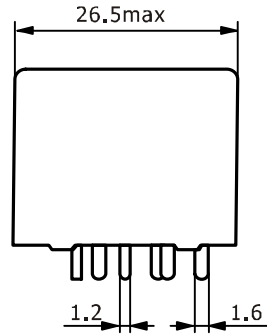
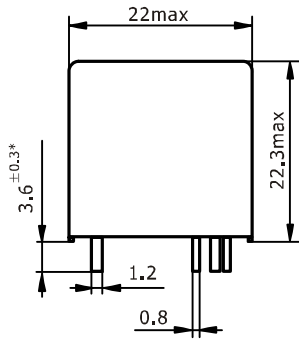
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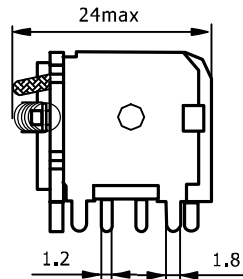
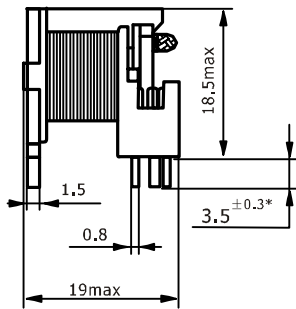
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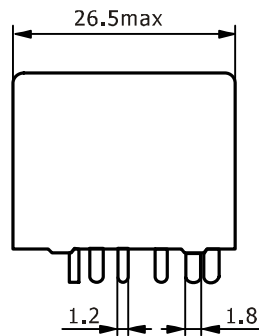
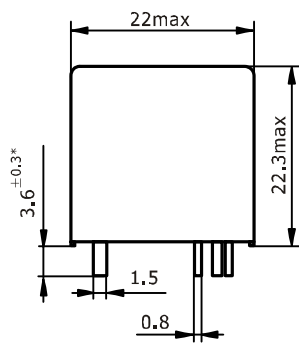
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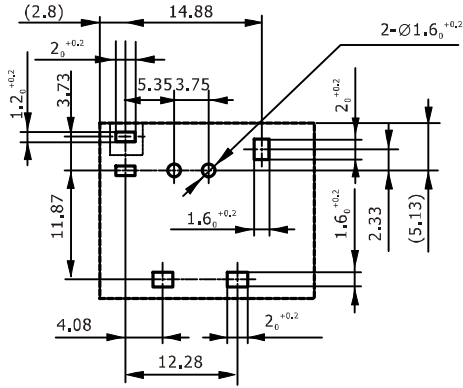
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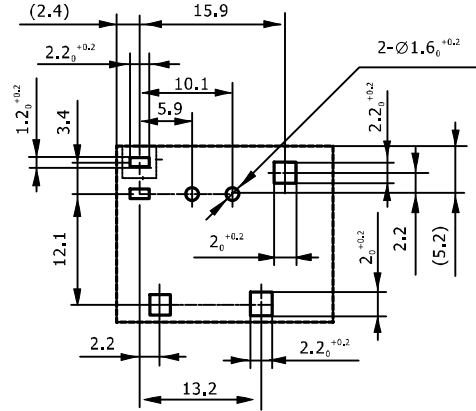
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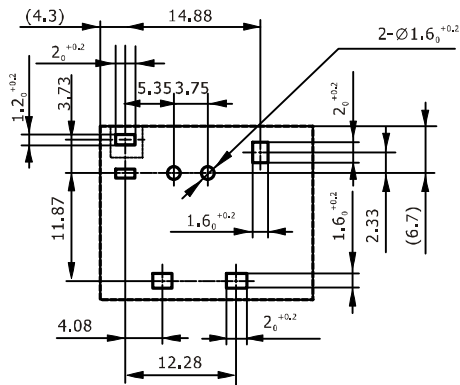
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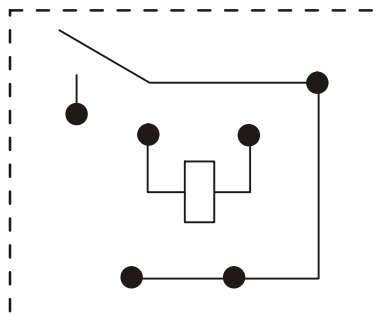
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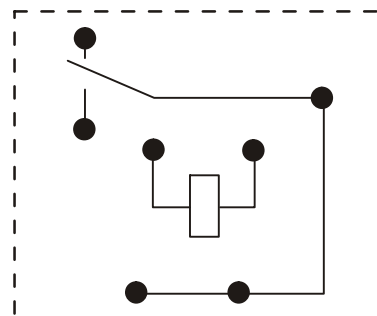
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Wiring Diagram

I Form A



I Form C



► Characteridtic curves

1.Coil operating voltage range

