

SPECIFICATION

IRY

SUBMINIATURE POWER RELAY

CONTACT DATA

Contact arrangement	1A	1C
Contact resistance	100mΩ (at 1A 6VDC)	
Contact material	Silver Alloy	
Contact rating (Res. load)	1A:25A(30A) 240VAC/20A 28VDC 1C:20A/10A 240VAC/28VDC	
Minimum load	500mA 5VDC	
Max. switching voltage	250VAC / 30VDC	
Max. switching current	30A	
Max. switching power	7200VA/560W	
Mechanical endurance	1 x 10 ⁶ ops	
Electrical endurance	1 x 10 ⁴ ops	

CHARACTERISTICS

Insulation resistance		100MΩ (at 500VDC)
Dielectric strength	Between contacts	1500VAC 1min
	Between contact & coil	1500VAC/2500VAC 1min
Operate time (at nomi. Volt.)		15ms max.
Release time (at nomi. Volt)		10ms max.
Shock resistance	Functional	10G
	Destructive	100G
Vibration resistance		10Hz to 55Hz 1.5mm DA
Humidity		40% to 85% RH
Ambient temperature		-40°C to 70°C
Max. Switching Frequency	Mechanical	18,000 ops/hr
	Electrical	1,800 ops/hr
Termination		PCB
Unit weight		Approx. 36g
Construction		Wash tight, Flux proofed

COIL

Coil power	930mW
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COIL DATA

at 20°C

(930mW)

Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current mA	Coil Resistance Ω
5	3.75	0.5	186	27 x (1±10%)
6	4.5	0.6	155	39 x (1±10%)
9	6.75	0.9	103	87 x (1±10%)
12	9	1.2	77.5	155 x (1±10%)
24	18	2.4	39	620 x (1±10%)
48	36	4.8	19	2480 x (1±10%)

Notes : 1) The data shown above are initial values.
2) Please find coil temperature curve in the characteristic curves below.

ORDERING INFORMATION

	IRY	-1C	D12	S		
Type	(IRY)					
Contact Form	1A : 1 Form A , 1C : 1 Form C,					
Coil Voltage	5, 6, 9, 12, 24, 48VDC					
Construction	S : Sealed Type k : open Type					

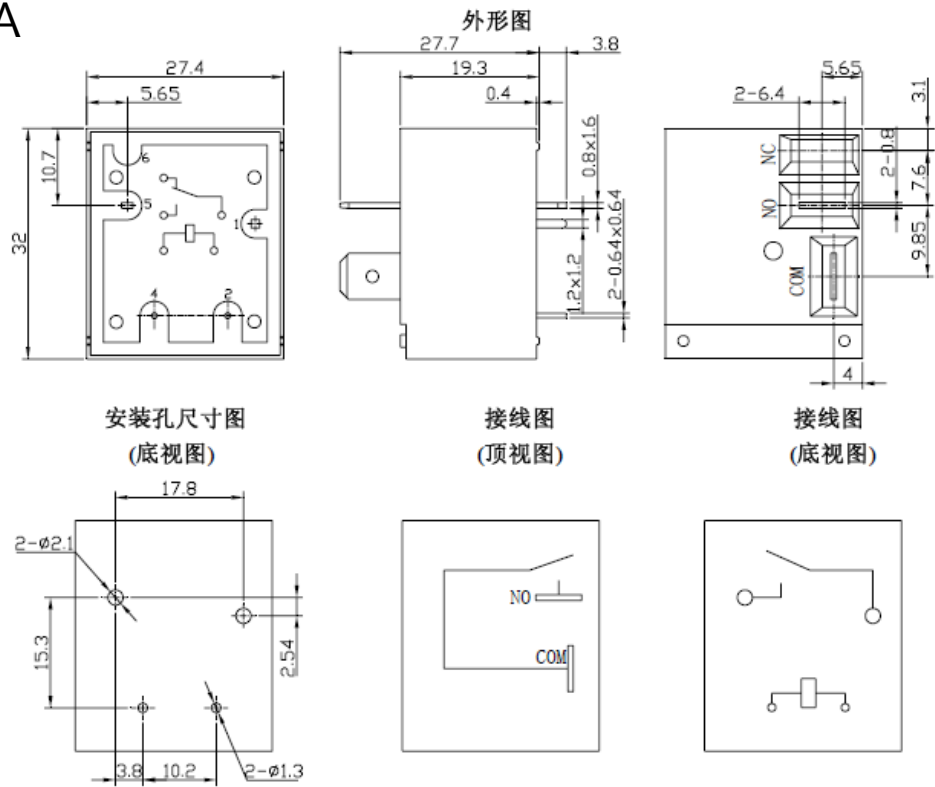
SAFETY APPROVAL RATINGS

		1A, 1C
UL	5 to 48VDC	25A 240VAC 25A 28VDC 15A 240VAC 15A 28VDC

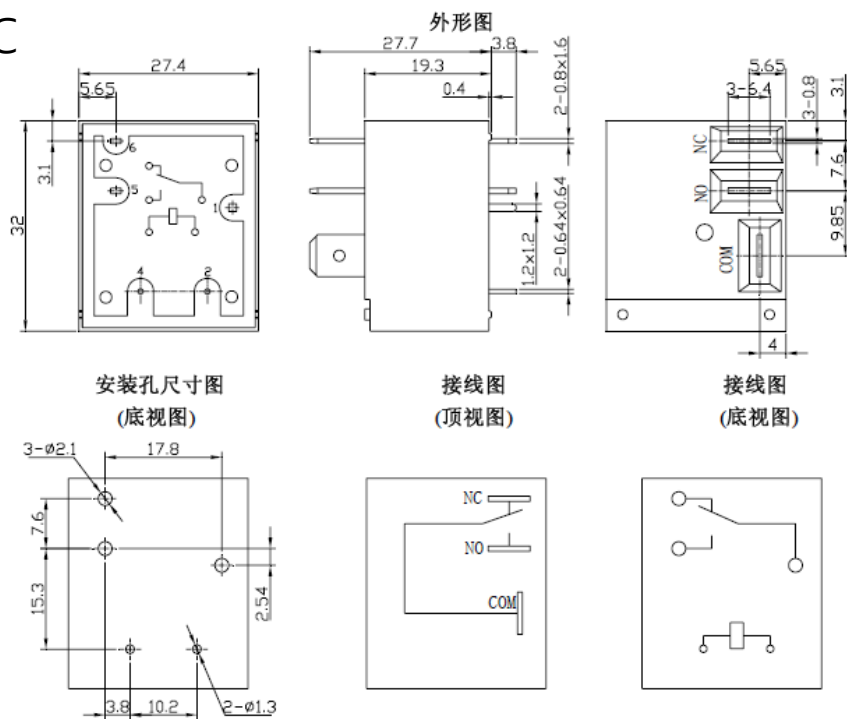
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit:mm

1A



1C



CHARACTERISTIC CURVES

