SANYOU RELAYS
Relays for advanced technology

MAGNETIC LATCHING RELAY

SY73-RELAY

- Hight contact Load.
- The relays are designed and manufactred in accordance to the Standards of DIN IEC 255.part 1-00/VDE 0435 ,part 201 , which are also in accordance to the Low Voltage directive(LVD).
- The polarized latching ralays are signed by a high resistance to shocks and vibrations and a lowbounce inclination.They are always in a defined switching-position and therefore rhere is no loss of information in case of power failure.

SPECIFICATIONS

Contact

Arrangement		1a,1b,1c
Contact material		Silver alloy
Contct resistane (1A 24VDC)		50mΩ Max.
Resitance load (Cos ϕ =1)		25A 250VAC
Inductive load (cos ϕ =0.4)		10A 250VAC
Max.switcing voltage		440VAC
Max.switching power		6,250VA
Expeced Life(minope)	Mechanical (at 120 cpm)	$1X10^6$
	Ectrical (at 120 cpm)	$3X10^4$

Characteristics

Operate time		10 msec. Max.
Release time		10 msec. Max.
Operating humidity		40~90% RH
Initial Breakdown voltage	Between contactand coil	4,000VAC (50/60Hz) for 1 min.
	Between open contacts	1,500VAC (50/60Hz) for 1 min.
Insulation resistance		1,000MΩ Min.(500 VDC)
Ambient temperature		-25℃~+70℃
Shock resistance	Functional	10G Min.
	Destruction	100G Min.
Vibration resistance	Functional	10 To 60Hz, 1.5mm double Amplitude of 1.5mm
	Destruction	10 To 60Hz, 1.5mm double Amplitude of 1.5mm
Unit weight		Approx.36g

Coil

Nominal operating power	Single coil: 1.0W
	Double coil: 2.0W

TYPICAL APPLICATIONS

ORDERING INFORMATION

SY73	1	C	12	M	1

Type	Number of poles	Contact form	Coil type	Terminal form	Number of coil
SY73	1:1 Pole	M:1 Form A	05,06,09,12 15,24,48	M,T	1:Single coil 2:Double coil

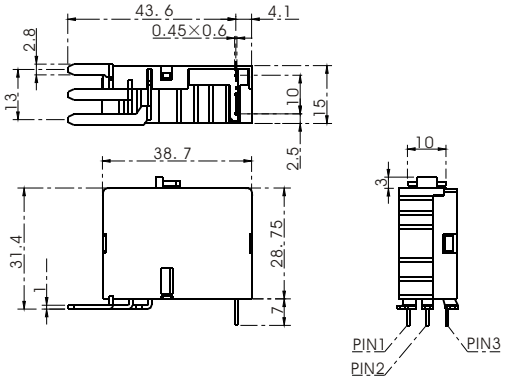
COIL(at 20°C)

S Y73

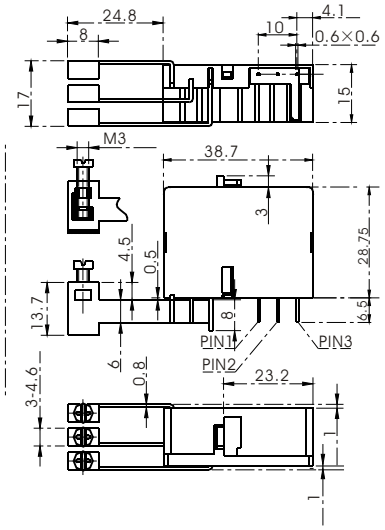
Voltage code	Nominal Voltage (VDC)	Nominal current (mA)	Double coil (Ω,±10%)		Single coil (Ω,±10%)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Rectangular Pulse width (ms)
05	5	416.67	12	12	24	80%Min.	80%Max.	Min.20
06	6	333.33	18	18	36			
09	9	225.00	40	40	80			
12	12	171.43	70	70	140			
15	15	150.00	100	100	200			
24	24	85.71	280	280	560			
48	48	43.64	1,100	1,100	2,200			

OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT(unit:mm)

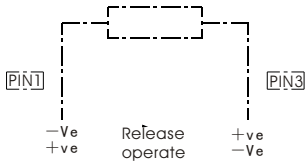
Terminal form(M)



Terminal form(T)



Single coil



Double coil