SANYOU RELAYS

Relays for advanced technology

30 AMP PC OR FLANGE MOUNT MINIATURE RELAY

SFD-RELAY

UL,C-UL File No.:E190598
TUV File No.:40007793
CQC File No.:CQC02001002130

- 1Form A (SPST-NO)Contact.
- Heavy duty: 30A power relay.
- High inrush current and high surge voltage.
- Inrush current: 65A
- Surge stringth 10,000V
- Small package meets high density mounting requirement.

SPECIFICATIONS

Contact

Arrangement		1a
Contact material		Silver alloy
Contact resistance (By voltage drop 1A 6VDC)		50mΩ Max.
UL/C-UL rating	Resistance load	30A 250VAC
	Motor load	2HP 250VAC
VDE rating		27A 250VAC
CQC rating		30A 250VAC
Max.switching voltage		250VAC
Max.switching current		30A
Max.switching power		7,500VA
Max. Carrying current		30A
Expected Life (min.ope)	Mechanical (at 120 cpm)	$1X10^6$
	Electrical (at 20 cpm)	$1X10^5$ (Resistance load) $1X10^5$ (Motor load)

Coil

Nominal operating power	1.2W

Characteristics

Operate time		20 msec.Max.
Release time		5 msec.Max.
Initial breakdown voltage	Between contact and coil	4,000VAC (50/60Hz) for 1 min.
	Between open contacts	1,200VAC (50/60Hz) for 1 min.
Insulation resistance		1,000MΩ Min.(500VDC)
Ambient temperature		-40℃～+85℃
Shock resistance	Functional	20G Min.
	Destructive	100G Min.
Vibration resistance	Functional	10 TO 55 Hz at double Amplitude of 1.5mm
	Destructive	10 TO 55 Hz at double Amplitude of 1.5mm
Unit weight		Approx. 55g

TYPICAL APPLICATIONS

Ideal for motor switching.

ORDERING INFORMATION

SFD	—	1	12	D	M

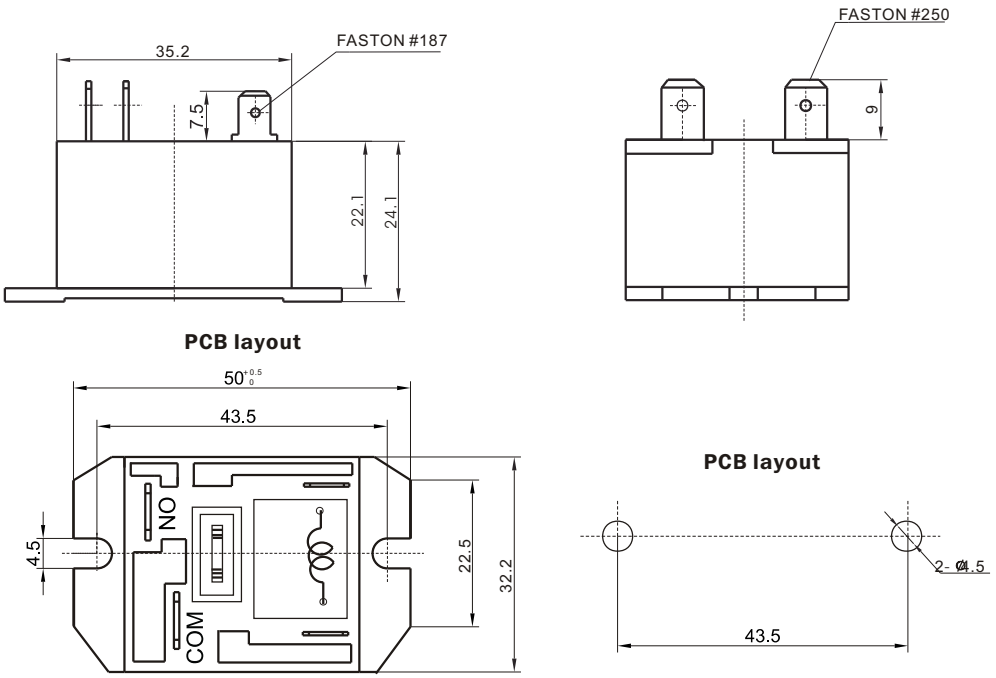
Type	Number of poles	Coil voltage	Coil sensitivity	Contact form
SFD	1:1 pole	03,05,06,09,12, 18,24,48,60	D:1.2W	M:1 Form A

COIL(at 20°C)

SFD

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance (Ω ±10%)	Drop-out voltage (VDC)	Pick-up voltage (VDC)	Nominal operating power (W)	Max allowable voltage (VDC)
03	3	400.00	7.5	10%Min.	70%Max.	1.2	130% of nominal voltage
05	5	240.38	20.8				
06	6	200.00	30				
09	9	134.33	67				
12	12	100.00	120				
18	18	66.67	270				
24	24	50.00	480				
48	48	25.00	1,920				
60	60	20.00	3,000				

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



CHARACTERISTICS CURVE