



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)

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	

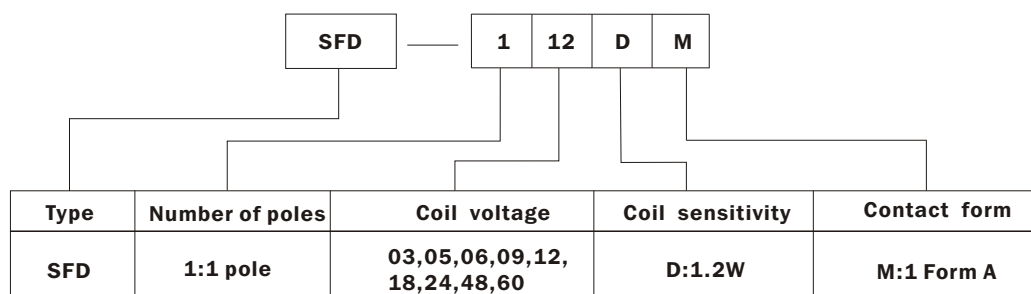
Coil

Nominal operating power	1.2W
-------------------------	------

TYPICAL APPLICATIONS

Ideal for motor switching.

ORDERING INFORMATION

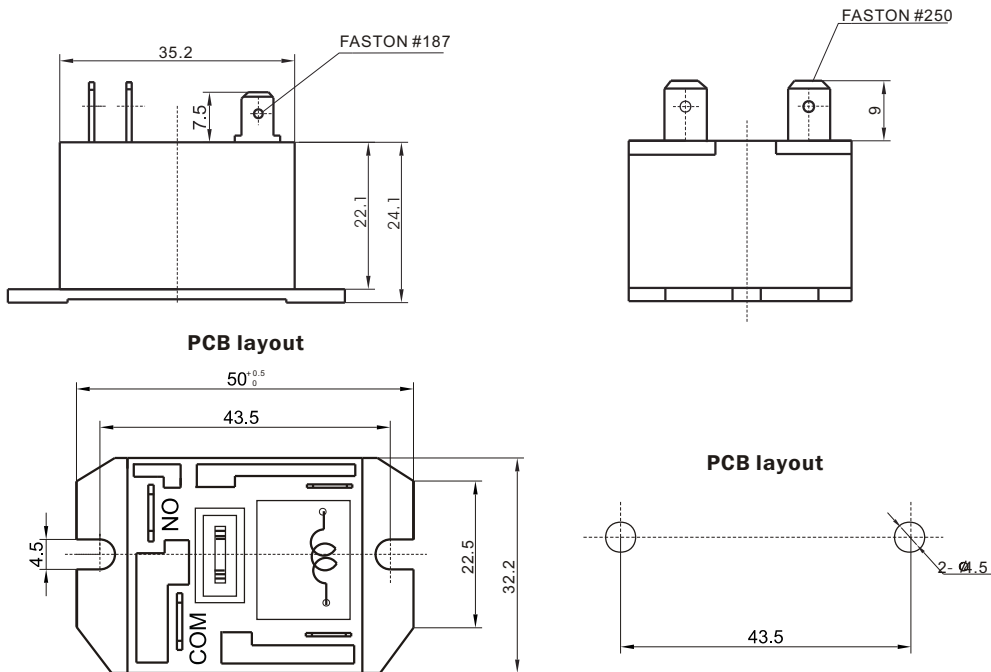


COIL(at 20°C)

SFD

Voltage code	Nominal voltage (VDC)	Nominal current (mA)	Coil resistance ($\Omega \pm 10\%$)	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

