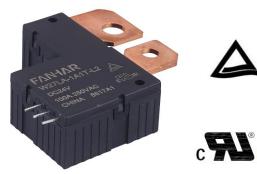
W27LA

Features

- 120A switching capability
- Single coil and double coil are all available
- Contact on and off can be controlled by manual control switch
- We can provide the contact gap is 2.1mm,it meets the standard of VDE0126
- Breakdown voltage: 4KV (between contact and coil)
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (58.0×40.0×20.8) mm
- Main application: Photovoltaic new energy



■ CHARACTERISTICS

Specifications	ons Item				
	Contact arrangement		1A、1B		
Contact Data	Contact resistance(initial)		1mΩ(6VDC 1A)		
	Contact material		AgSnO ₂		
	Rated load(Resistance load)		100A 277VAC		
			100A 415VAC		
Rated value	Max.switching voltage		440VAC		
	Max.switching current		120A		
	Max.switching capacity		41500VA		
	Min.allowing load		1		
	Insulation resistance(initial)		1000MΩ(500VDC)		
	Dielectric	Between open contacts	2000VAC,1min		
Electrical	strength	Between coil&contacts	4000VAC,1min		
performance	(initial)		1000 11 10, 1111111		
	Operate time		≤25ms		
	Release time		≤25ms		
Mechanical	Shock	Functional	98m/s ² (10g)		
performance	resistance	Destructive	980m/s ² (100g)		
periormance	Vibration resistance		10Hz~55Hz 1.5mm DA		
	Mechanical		1×10 ⁶ ops		
Endurance	Electrical		100A 277VAC	1.5×10 ⁴ ops (ON/OFF=1s/9s)	
			100A 415VAC	1×10 ⁴ ops (ON/OFF=1s/9s)	
Operate condition	Ambient temperature		-40℃~95℃		
	Humidity		5% to 95%		
Termination			INT'L PCB+Quickly contact terminal		
Unit weight			Approx.95g(Without attachment)		
Construction			Flux proofed		

■ COIL DATA(23°C)

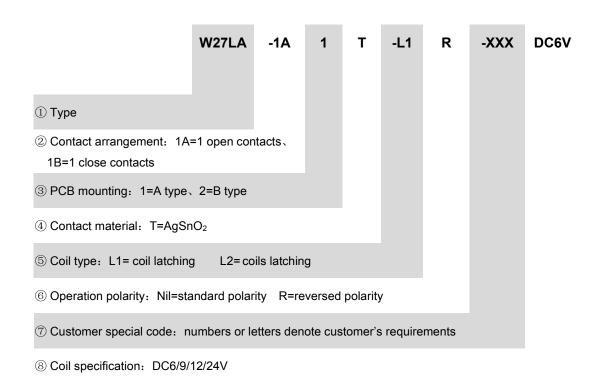
■Singel coil latching

Nominal	Pick-up Voltage	Drop-out Voltage	Rated Current	Coil Resistance	Nominal Power	Max Voltage
Voltage	VDC	VDC	(±10%)	(±10%)	Nominal Power	
DC 6V	≤4.50	≤4.50	375mA	16Ω		150%Nominal Voltage
DC 9V	≤6.75	≤6.75	250mA	36Ω	2.2514/	
DC 12V	≤9.00	≤9.00	187.5mA	64Ω	2.25W	
DC 24V	≤18.00	≤18.00	93.8mA	256Ω		

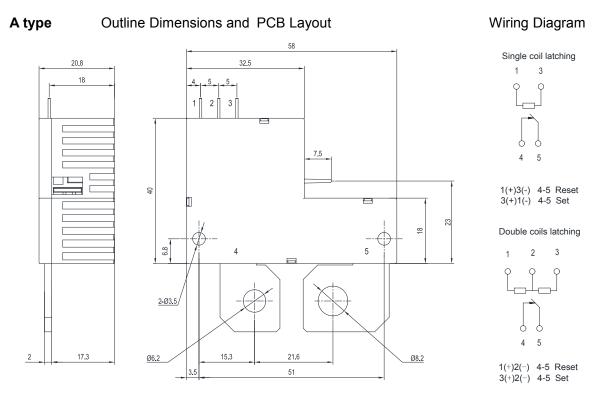
■ Double coils latching`

Nominal Voltage	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current (±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 6V	≤4.50	≤4.50	750/750mA	8/8Ω		
DC 9V	≤6.75	≤6.75	500/500mA	18/18Ω	4.5W	150%Nominal
DC 12V	≤9.00	≤9.00	375/375mA	32/32Ω	4.500	Voltage
DC 24V	≤18.00	≤18.00	188/188mA	128/128Ω		

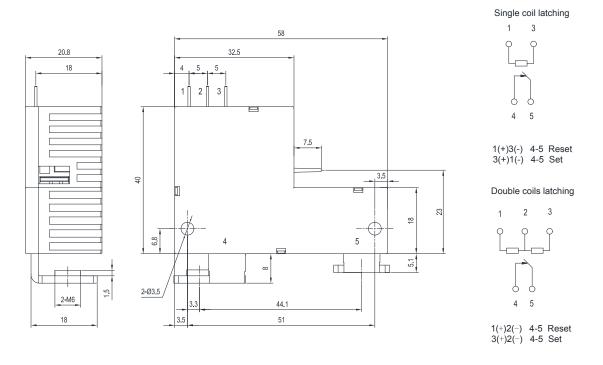
ORDERING INFORMATION



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



B type Outline Dimensions and PCB Layout



Notes: (1) In case of no tolerance shown in outline dimension:outline dimension≤1mm,tolerance should be±0.2mm;outline dimension >1mm and <5mm,tolerance should be ±0.3mm;outline dimension≥5mm,tolerance should be ±0.5mm.

(2) The tolerance without indicating for PCB layout is always ±0.1mm.

Wiring Diagram

SAFETY APPROVAL RATINGS

Approval	File No.	Contact arrangement	Contact material	Approved ratings		
UL/C-UL	E475405	1A、1B	AgSnO₂	100A 100A	415VAC 277VAC	95℃ 95℃
TUV	R 50412805	1A、1B	AgSnO₂	100A 100A	415VAC 277VAC	95℃ 95℃

■ NOTICE

- ① With the consideration of shock risen from transit and relay mounting,relay's initial state might be changed,please impose pulse voltage to reset the relay before using(rated coil voltage,impulse width≥5 times operation time).
- 2 The specification is for reference only, specifications subject to change without notice.