

N68F

c**FU** us E169380

28.5×10.1×12.5

Features

- Slim type and small occupying area can offer high density P.C.B. technique.
- Employment of suitable plastic materials to be applied to high temperature and various chemical solution.
- Dielectric strength 5000V.
- Creepage distance >8mm.

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Orde	ring	Inform	nation

1 Part number: N68F

2 Contact arrangement: A:1A;C:1C

3 Enclosure: S:Wash tight; Z:Flux proof 4 Contact current: 8A

5 Coil rated voltage(V): DC:5,6,12,18,24,48

6 Resist heat class: B:130°C; F:155°C

Contact Data

Contact Arrangement		1A (SPSTNO) 1C (SPDT(B-M))		
Contact Material		AgSnO₂ AgNi		
Contact Rating (Resistive) 8A/250VAC,30VDC		8A/250VAC,30VDC		
Max. Switching Power		300W 2500VA		
Max. Switchin	ng Voltage	125VDC 380VAC	Max. Switching Current:10A	
Contact Resistance		≤100mΩ	Item 4.12 of IEC 61810-7	
Operational	Electrical	1×10 ⁵	Item 4.30 of IEC 61810-7	
Life	Mechanical	1×10 ⁷	Item 4.31 of IEC 61810-7	

CAUTION: 1. For the intermediate current, it only applies to the room temperature.

2.For gold plated version, the min. Switching current and min. switching voltage is 50mA/6VDC; for non gold plated version (standard type),the min. switching current and min. switching voltage is 100mA/6VDC.

Coil Parameter

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Dash numbers	Coil voltage VDC		Coil resistance	Pick-up voltage VDC (max) (75%of rated	Drop-out voltage VDC (min)	Coil power	Operate time	Release time ms
	Rated	Max	Ω ± 10%	voltage)	(10% of rated voltage)	W	ms	1113
005-220 006-220 012-220 018-220 024-220	5 6 12 18 24	6.5 7.8 15.6 23.4 31.2	114 164 655 1473 2618	3.75 4.5 9.0 13.5 18.0	0.5 0.6 1.2 1.8 2.4	0.22	≤7	≤3
048-250	48	62.4	9216	36.0	4.8	0.25	≤ 7	≪3

CAUTION: 1.The use of any coil voltage less than the rated coil voltage will compromise the operation of the relay.

- 2. Pickup and release voltage are for test purposes only and are not to be used as design criteria.
- 3.Unless otherwise stated, the rated coil voltage specified in coil parameter table shall be used for all tests and its application to the relay.

Characteristics

Insulation Resistance	1000M Ω min (at 500VDC)	Item 4.11 of IEC 61810-7
Dielectric Strength Between Contacts Between Contact and Coil	50Hz 1000V 50Hz 5000V	Item 4.9 of IEC 61810-7 Item 4.9 of IEC 61810-7
Shock Resistance	Functional: 98m/s ² 11ms Destructive: 980m/s ² 6ms	Item 4.26 of IEC 61810-7
Vibration Resistance	10Hz~500Hz Double amplitude 1.5mm 200m/s ²	Item 4.28 of IEC 61810-7
Terminals Strength	10N	Item 4.24 of IEC 61810-7
Ambient Temperature	-40℃~85℃	
Relative Humidity	5% to 85%	Item 4.16 of IEC 61810-7
Mass	8.2g	Item 4.7 of IEC 61810-7

Safety Approvals

Safety approval	UL & CUR
Load	8A/250VAC,30VDC



