



**General Purpose
Power Relay**

Part No.

NNC69K(TLX)-1Z



- 12A contact switching capacity
- Available with detachable point or self-locking self-locking type test function
- Available with Led indicator or mechanical indicating window
- Application Field: Various industrial control circuits

CONTACT

Arrangement	1Z/1H/1D
Contact Material	Silver alloy
Contact Resistive (6VDC, 1A)	Max.: 100 mΩ
Rating	NC-12A 277VAC/30VDC NO-15A 277VAC/30VDC
Resistive load (cosφ=1)	1/2HP 250VAC (Motor load)
Max. Switching Current	12A
Max. Switching Voltage	277VAC/30VDC
Max. Switching Power	3324VA/360W
Expected life	
Mechanical (At no load, 300 ops/minute)	1×10 ⁷
Electrical (Resistive load, 15 ops/minute)	1×10 ⁵

CHARACTERISTICS

Operate Time	20msec. Max.
Release Time	10msec. Max.
Dielectric Strengths(Leak Current 1mA)	
Between Coil & Contact	5000VAC for 1 min.
Between Contacts	1000VAC for 1 min.
Insulation Resistance	100 mΩ
Shock: Endurance	980m/s ²
Error Operation	98m/s ²
Vibration Endurance	10 to 55Hz, 1.0mm D.A.
Error Operation	10 to 55Hz, 1.0mm D.A.
Ambient temperature	-40°C ~ +85°C
Humidity:	45~85%
Unit weight	20g

ORDERING INFORMATION

e.g

NNC69KTLX - 1Z - 12VDC

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②

③

① Part No.: T=Test button

L = LED indication

X=with diode

② Contact arrangement:

1Z=1C/O, 1H=1N/O

③ Coil Voltage: 12VDC

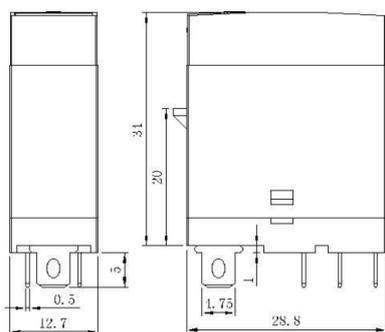
COIL DATA (at 23°C)

Rated Voltage	Pick-up Voltage	Drop-out Voltage	Coil Resistance	Nominal operating Power	Max.Allowable Voltage	
	VDC (Max)	VDC (Min)	(Ω) ± 10%		(V)	
6VDC	4.50	0.60	68.00	0.53W	110% of nominal voltage	
9VDC	6.75	0.90	153.00			
12VDC	9.00	1.20	272.00			
24VDC	18.00	2.40	1087.00			
36VDC	27.00	3.60	2445.00			
48VDC	36.00	4.80	4347.00			
110VDC	82.50	11.00	22830.00			
Rated Voltage	Pick-up Voltage	Drop-out Voltage	Coil Resistance	0.8-1.0VA <td rowspan="14">110% of nominal voltage</td>		110% of nominal voltage
	VAC (Max)	VAC (Min)	(Ω) ± 10%			
6VAC	4.80	1.80	15.80			
12VAC	9.60	3.60	63.00			
24VAC	19.20	7.20	252.00			
48VAC	38.40	14.40	1008.00			
110VAC	88.00	33.00	5294.00			
220VAC	176.00	66.00	23144.00			
240VAC	192.00	72.00	23144.00			

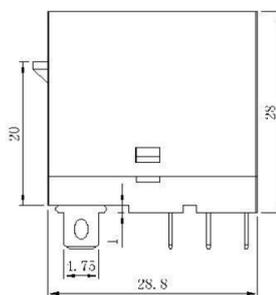
DIMENSIONS

Unit: mm

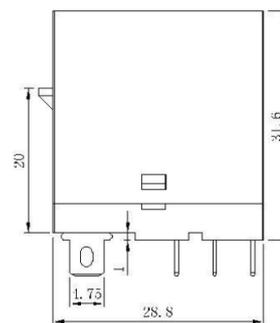
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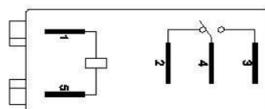
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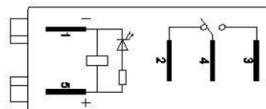
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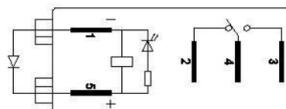
69K-1Z



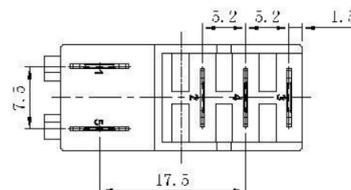
69K(T)L-1Z



69K(T)LX-1Z-DC



Wiring Diagram (Bottom View)



PCB layout (Bottom View)

Disclaimer:

The specifications in this datasheet are for reference only and subject to change without notice.No chance for us to evaluate all the specifications and technical parameters for each possible application.The users will take the responsibility to choose the correct products for their own applications. While if any technical support is needed, please contact NCR team for assistance.