



NCF2

Patent No. 01210551.1 01310478.0

22.5×16.5×16.5

Features

- Small size, light weight.
- Low coil power consumption.
- Operation noise: less than 5odb.
- PC board mounting.
- Suitable for automobile, automation system, electronic equipment.

Ordering Information

 $\underline{\text{NCF2}}$ $\underline{\text{Q}}$ $\underline{2 \times 1C}$ $\underline{\text{DC12V}}$

1 Part number: NCF2 3 Contact arrangement: 2×1C 2 Noise: NIL: Standard; Q: Quiet 4 Coil rated Voltage(V): DC:12

Contact Data

Contact Arrangement $2 \times 1C (2 \times SPDT(B-M))$ (H-Bridge)

Contact Material Ag·SnO₂

Contact Rating (resistive) NO: 20A/14VDC; NC: 10A/14VDC

Max. Switching Power 300W

Max. Switching Voltage16VDCMax. Switching Current:20AContact Resistance or Voltage drop ≤ 50 m ΩItem 3.12 of IEC255-7Operation | Electrical life 10^5 | Item 3.30 of IEC255-7IfeMechanical 10^7 | Item 3.31 of IEC255-7

Coil Parameter

Dash numbers	Coil voltage VDC	Operating Voltage Range VDC	Coil resistance Ω±10%	Pickup voltage VDC(max) (60%of rated voltage)	release voltage VDC(min) (8% of rated voltage)	Coil power consumption W	Operate Time ms	Release Time ms
	Rated							
012-640	12	10-16	225	7.2	1.0	0.64	≪10	≪10

CAUTION: 1.The use of any coil voltage overstep operating voltage range of coil, it 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.

Sound Pre. Characteristics (Q type):

Operation noise: <50db Coil voltage:12VDC



Operation condition

 $100M\Omega$ min (at 500VDC) Insulation Resistance Item 7 of IEC255-5

Dielectric Strength Between contacts

Item 6 of IEC255-5 50Hz 1000V Item 6 of IEC255-5 Between contact and coil 50Hz 1000V

 $Functional: \ 100 m/s^2$ 11ms; IEC68-2-27 Test Ea Shock resistance Survival: 1000 m/s²

IEC68-2-6 Test Fc IEC68-2-21 Test Ua1 10~100Hz 45 m/s² Vibration resistance Terminals strength 10N

235℃ ±2℃ $3\pm0.5\text{s}$ Solderability IEC68-2-20 Test Ta method 1 Ambient Temperature -40~85℃

85% (at 40℃) Relative Humidity IEC68-2-3Test Ca Mass 17g(Q type); 15g

Qualification inspection:

Perform the qualification test as specified in the table IV of IEC255-19-1 and minimum sample size 24.

