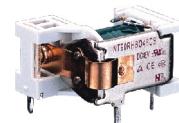


DB ELECTRO^{CO., LTD.}

Présente / Presents:

NINGBO HUAGUAN ELECTRONICS CO., LTD.





22.5×16.5×16.5

NCF2

Patent No. :01210551.1 01310478.0

Features	
• Small size, light weight.	
• Low coil power consumption.	
• Operation noise: less than 50db.	
• PC board mounting.	
• Suitable for automobile, automation system, electronic equipment.	

Ordering Information	
NCF2	Q 2×1C DC12V
1	2 3 4
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	2×1C (2×SPDT(B-M)) (H-Bridge)
Contact Material	AgSnO ₂
Contact Rating (resistive)	NO: 20A/14VDC; NC: 10A/14VDC
Max. Switching Power	300W
Max. Switching Voltage	16VDC
Max. Switching Current	20A
Contact Resistance or Voltage drop	< 50mΩ
Operation life	10 ⁵ / 10 ⁷
Electrical	Item 3.12 of IEC255-7
Mechanical	Item 3.30 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		
Insulation Resistance	100MΩ min (at 500VDC)	Item 7 of IEC255-5
Dielectric Strength	50Hz 1000V	Item 6 of IEC255-5
Between contacts	50Hz 1000V	Item 6 of IEC255-5
Between contact and coil		
Shock resistance	Functional: 100m/s ² 11ms; Survival: 1000 m/s ² 6ms	IEC68-2-27 Test Ea
Vibration resistance	10~100Hz 45 m/s ²	IEC68-2-6 Test Fc
Terminal strength	10N	IEC68-2-21 Test Ua1
Solderability	235℃ ± 2℃ 3 ± 0.5s	IEC68-2-20 Test Ta method 1
Ambient Temperature	-40~105℃	
Relative Humidity	85% (at 40℃)	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.

Dimensions		mm /inch
<p>Dimensions</p>		
<p>Mounting (Bottom view)</p>		
<p>Wiring diagram (Bottom view)</p>		
<p>NOTES 1).Dimensions are in millimeters. 2).Inch equivalents are given for general information only.</p>		