NCR

Industrial & Electrical Components

Automotive Relay

CONTACT

Arrangement	1A/1C/2Z/2C
Contact Material	Silver Alloy
Contact Resistance	Max. 100mΩ(at 1A 6VDC)
Resistive load of Contact	20A 16VDC
Max. Switching Voltage	16VDC
Max. Switching Current	30A
Max. Switching Power	480W
Rated Power	0.55W
Service life	
Electrical	1×10^5 OPS(10 OPS/min)
Machanical	1×10^7 OPS(300 OPS/min)

CHARACTERISTICS

Operate Time	≤10ms
Release Time	≤10ms
Dielectric with stand voltage	
Between contact & contact	500VAC for 1 Min.
Between contact & coil	500VAC for 1 Min.
Insulation Resistance	100MΩ (500 VDC)
Ambient temperature	-40℃~+105℃
Vibration resistance	10 to 55 10 HZ 1.5mm D.A.
Shock resistance	$294m/s^2$ (30G)

ORDERING INFORMATION

e.g

NRA - 08 - 1C - 12D - S

① Series: NCR Automotive Relay Series

② Part No.

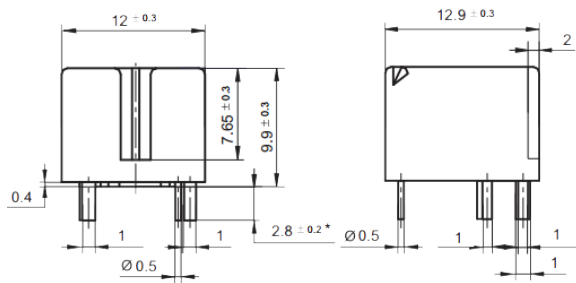③ Contact Form: 1C =1C/O，1A=1N/O
                       2C =2C/O，2A=2N/O
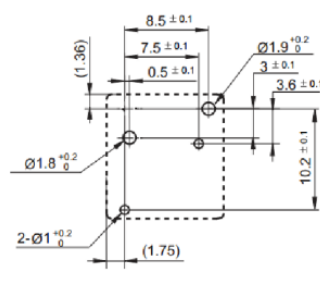
Coil Voltage: 5, 6,9, 12, 24 dc

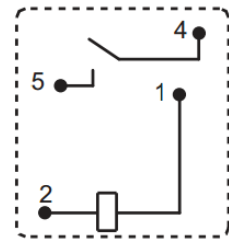S= Plastic sealed type
Nil= Flow sealed type

COIL DATA

NominalVoltage (VDC)	Operating Voltage VDC(Max)	Release Voltage VDC(Min)	Coil Resistance X(1±10%) Ω	Max.Coil voltage(VDC) 23℃
5	2.9	0.6	45	11
6	3.50	0.75	65.5	13.2
9	5.20	1.10	147.3	19.8
12	6.90	1.50	262	26
24	13.80	3.00	1047	52

DIMENSIONS (Unit: mm)

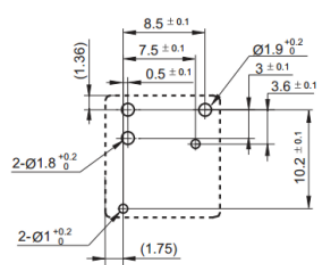### （1 Form NO(A)）

安装图
Outline Dimensions
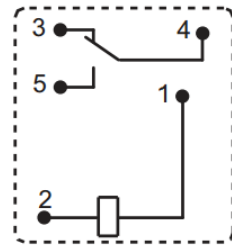
安装孔位图
PCB Layout (Bottom view)

接线图
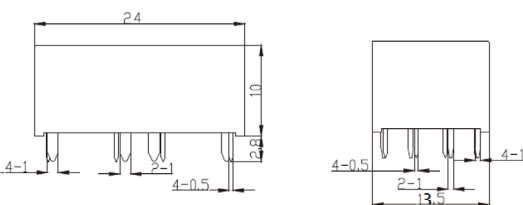**Wiring Diagram(Bottom view)**

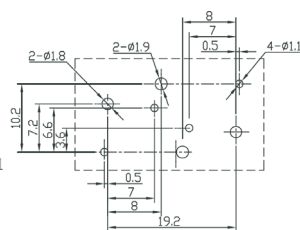### （1 Form NO/NC(C)）

安装图
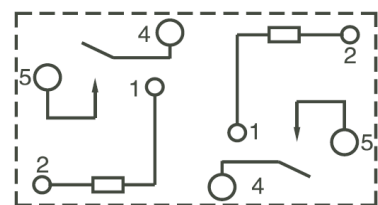**Outline Dimensions**

安装孔位图
PCB Layout (Bottom view)

接线图
Wiring Diagram(Bottom view)

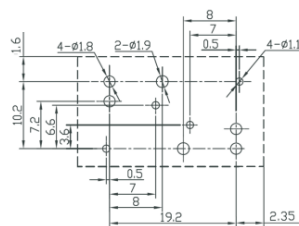### （2 Form NO(A)）

安装图
Outline Dimensions
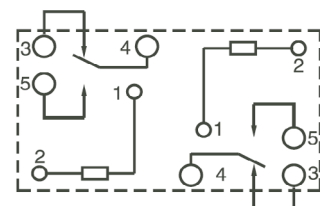
安装孔位图
PCB Layout (Bottom view)

接线图
Wiring Diagram(Bottom view)

（2 Form NO/NC(C)）

安装图
Outline Dimensions

安装孔位图
PCB Layout (Bottom view)

接线图
Wiring Diagram(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.

 www.nicerelay.com