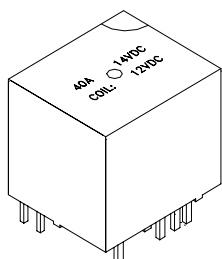
 <p>Industrial & Electrical Components</p>	<h1>Automotive Relay</h1>	<p>Part No. NRA02</p>
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Small Size, Light weight
 Low Coil Power Consumption
 Low Operation Noise
 PCB Mounting Pins

CONTACT

Arrangement	2 X 1C (2 X SPDT)
Contact Material	Silver Alloy
Contact Resistance	
(By voltage drop 6V 1A)	Max. 50mΩ
Rating	
Resistive load	N.O.: 20A 14VDC
(Cos.Φ=1)	N.C.: 10A 14VDC
Motor Inrush	
Max. Allowable Voltage	16VDC
Max. Allowable Current	20A
Max. Allowable Power	300W
Service life	
Electrical	1 X 10 ⁵
Machanical	1 X 10 ⁷

CHARACTERISTICS

Operate Time	8ms
Release Time	8ms
Initial breakdown voltage	
Between coil & contact	1000VAC 50 Hz
Between open contacts	1000VAC 50 Hz
Insulation Resistance	Min.100MΩ (500 VDC)
Ambient temperature	-40 ~+105
Humidity	40~85%
Shock	Functional 100m/s ² 11ms
Resistance	Destruction 100m/s ² 6ms
Vibration	Functional 10 to 100 Hz 45 m/s ²
Resistance	Destruction
Unit weight	16g Max.

ORDERING INFORMATION

e.g

NRA - 02 - C - 12D - L

Series: NCR Automotive Relay Series

Part No.

Contact Form: C=2 X 1C/O

Coil Voltage: 12Vdc

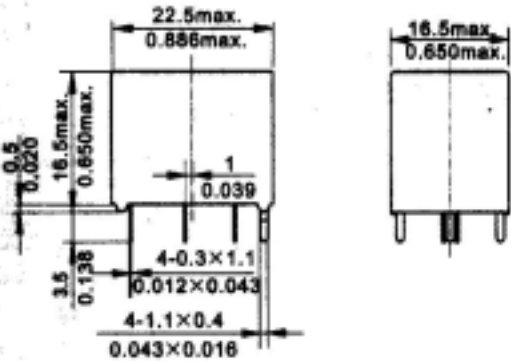
L= Low Noise Type

Nil= Standard Type

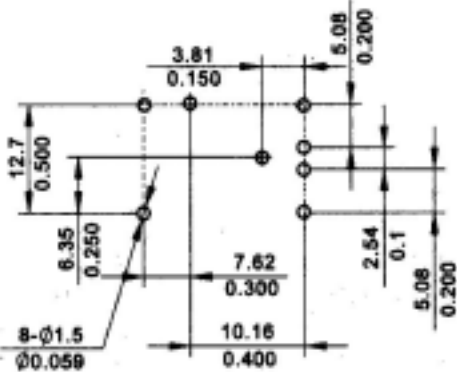
COIL DATA (at 20)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω) $\pm 10\%$ 0.64W	Max.Allowable Voltage
9	5.40	0.75	127	130% of nominal voltage
12	7.20	1.0	225	

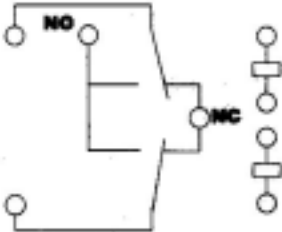
DIMENSIONS (Unit: mm)



Dimensions



Mounting (Bottom views)



Wiring diagram
(Bottom views)



Industrial & Electrical Components