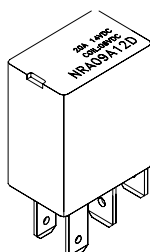




Industrial & Electrical Components

Automotive Relay

Part No. **NRA09**



Fasten connection pins
Stable function in high or low temp.
With or without flanger hook
30A starting load capacity

CONTACT

Arrangemen	1A / 1B/ 1C
Contact Material	Silver Alloy
Contact Resistance	
(By voltage drop 6V 1A)	Max.100m Ω
Rating	
Resistive load	1A: 30A 14VDC 1B: 20A 14VDC 1C: NO:30A 14VDC NC:20A 14VDC
(Cos.Φ=1)	
Max. Allowable Voltage	75VDC
Max. Allowable Current	30A
Max. Allowable Power	420W
Service life	
Electrical	1 X 10 ⁵
Machanical	1 X 10 ⁷

CHARACTERISTICS

Operate Time	Max: 10ms
Release Time	Max: 7ms
Initial breakdown voltage	
Between coil & contact	750VAC for 1 Min.
Between open contacts	500VAC for 1 Min.
Insulation Resistance	Min.100MΩ (500 VDC)
Ambient temperature	-40 ~+85
Humidity	85% (at 40)
Shock	Functional 100m/s ² 11ms
Resistance	Destruction
Vibration	Functional 10 to 40 Hz D.A. of 1.27mm
Resistance	Destruction 10 to 40 Hz D.A. of 1.27mm
Unit weight	20g Max.

ORDERING INFORMATION

e.g

NRA - 09 - A - 12D

Series: NCR Automotive Relay Series

Part No.

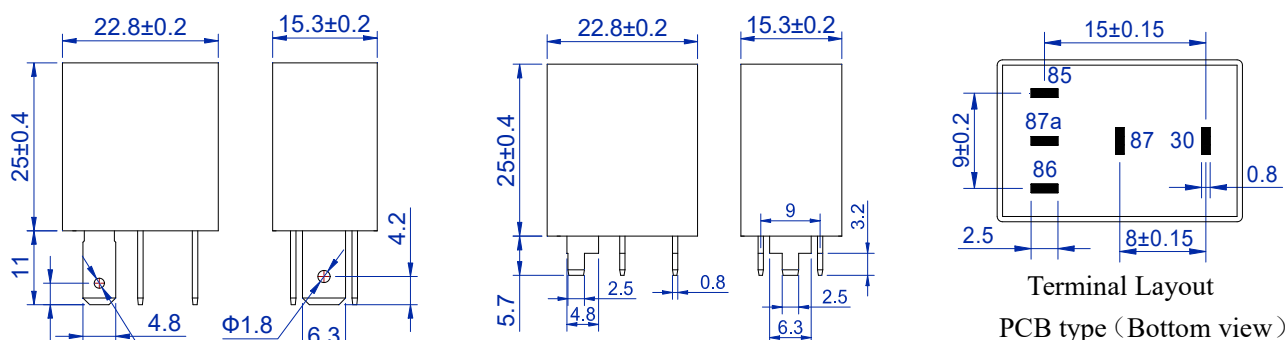
Contact Form: C=1C/O; A = N/O; B= N/C

Coil Voltage: 6, 9, 12, 24 dc

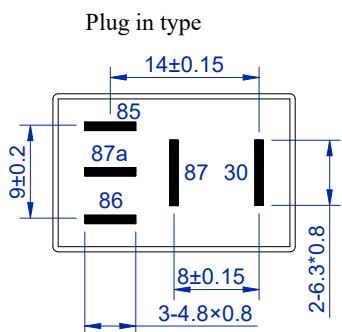
COIL DATA (at 20)

Nominal Voltage (VDC)	Pick-up Voltage VDC(Max)	Drop-out Voltage VDC(Min)	Coil Resistance (Ω)±10% 1.6W	Max.Allowable Voltage
6	4.20	0.60	22.5	130% apply to nominal Voltage
9	6.30	0.90	50.6	
12	8.40	1.20	90.0	
24	16.80	2.40	360.0	

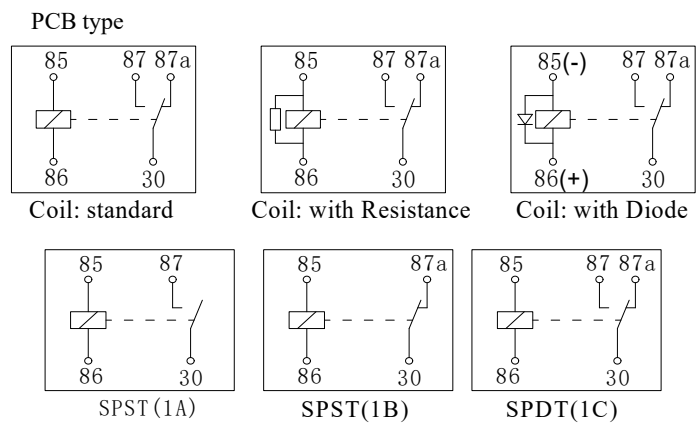
DIMENSIONS (Unit: mm)



Terminal Layout
PCB type (Bottom view)

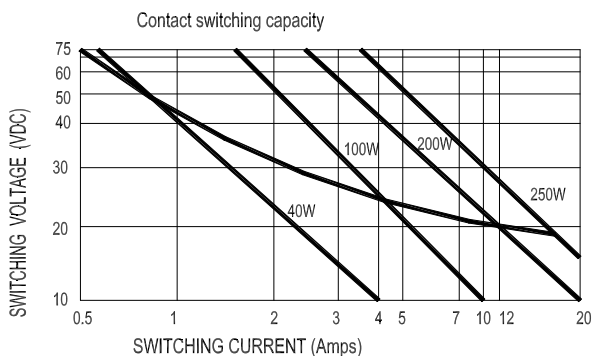


Terminal Layout
Plug in type (Bottom views)



Wiring diagram (Bottom views)

Reference Data 性能曲线图



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.