



HANDOUK

RC

► FEATURES

- 40A continuous current at 85 °C
- Plug-in and PC Board terminal
- SPST & SPDT configurations
- Optional mounting bracket
- Sealed IP67 & Flux free types available



Size (L x W x H)
26.2 x 26.2
x 23.7mm

► CONTACT DATA

Contact Form		1A	1C
Contact Material		AgNi, AgSnO ²	
Contact Ratings		40A 14VDC	30A(NO)/20A(NC) 14VDC G: 40A(NO)/30A(NC)
Max Carrying current		60A	60A(NO)/40A(NC)
Max Continuous Current		60A	60A(NO)/40A(NC)
Max make current		120A	120A(NO)/45A(NC)
Min. Applicable load		6VDC, 100mA	
Contact Resistance		100mΩMax at 6VDC 1A	
Life Expectancy	Electrical	100,000 Operations (at 30 Operations / minute)	
	Mechanical	10,000,000 Operations	

► OPERATION CONDITION

Insulation Resistance		100MΩMin at 500VDC
Dielectric Strength Between	Open Contacts	500VAC (for one minute)
	Contacts and coil	500VAC (for one minute)
Operate Time		7ms
Release Time		5ms
Temperature Range		-40°Cto+105°C
Shock Resistance	Functional	100m/s ²
	Destructive	200m/s ²
Vibration Resistance		10-40Hz, 1.5mm
Weight		Approx 35g to 55g

► COIL PARAMETER

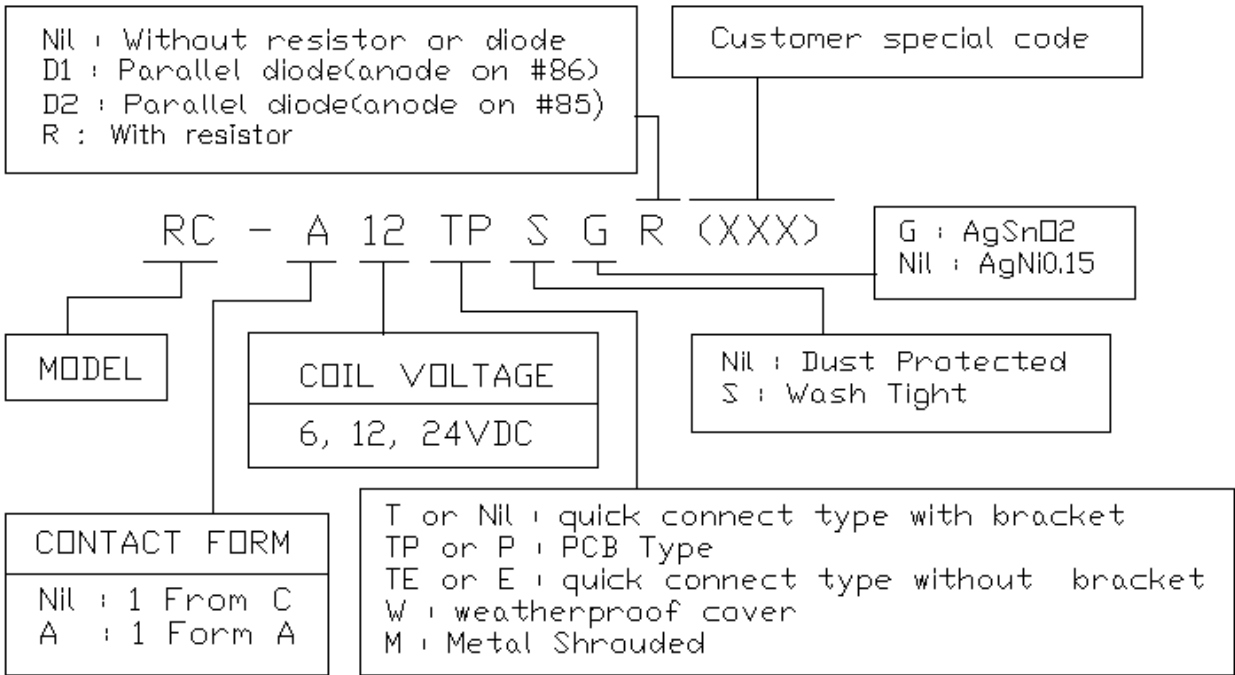
WHEATHERPROOF

Nominal Voltage (VDC)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applicable Voltage (VDC)		Coil Resistance at 20°C (Ω)
			at 23°C	at 85°C	
6	3.6	0.6	10.1	7.9	22±10%
12	7.2	1.2	20.2	15.7	85±10%
24	14.4	2.4	40.5	31.5	350±10%

OTHER TYPE

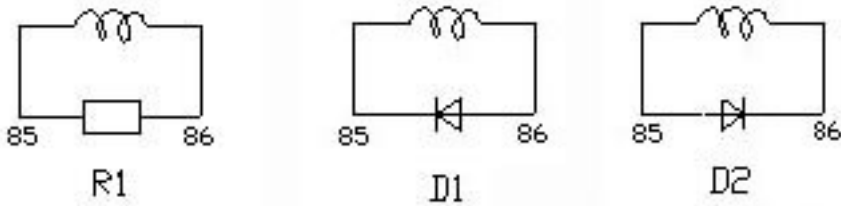
Nominal Voltage (VDC)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Max Applicable Voltage (VDC)		Coil Resistance at 20°C (Ω)
			at 23°C	at 85°C	
6	3.9	0.6	10.1	7.9	22±10%
12	7.8	1.2	20.2	15.7	85±10%
24	15.6	2.4	40.5	31.5	350±10%
48	31.2	4.8	72	60	1,440±15%

► ORDERING INFORMATION



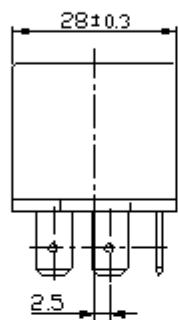
ADDITIONAL ORDERING INFORMATION

D2 – DIODE INSTALLED



V0 – UL94-V0 CAVER AND BASE

► OUTLINE DEMENSION AND WIRING DIAGRAM, PC BOARD LAYOUT

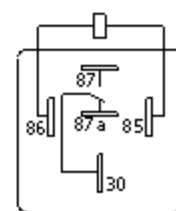
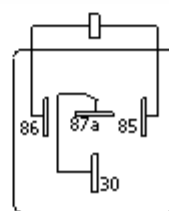
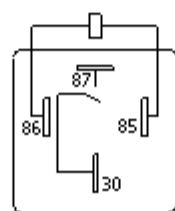
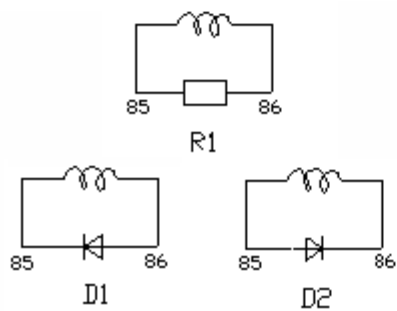
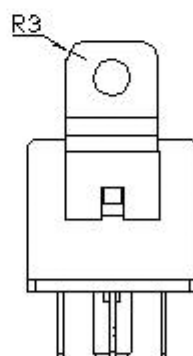


Dimensions

PCB LAYOUT

Technical drawing of the 1000 Series connector showing front and side views with dimensions:

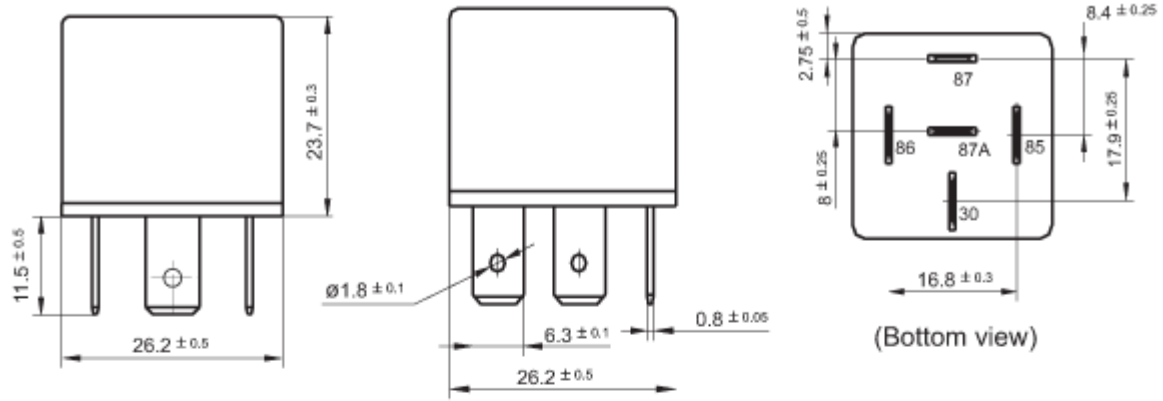
- Front View (Left):**
 - Overall width: 28 ± 0.3
 - Internal width: 15
 - Pin diameter: $\phi 6.5$
 - Pin spacing: 10
 - Pin length: 16
 - Body height: 25 ± 0.3
 - Base height: 41 ± 0.3
 - Base width: 5-6.3
- Side View (Right):**
 - Overall width: 28 ± 0.3
 - Pin length: 3.8
 - Base width: 5-0.8



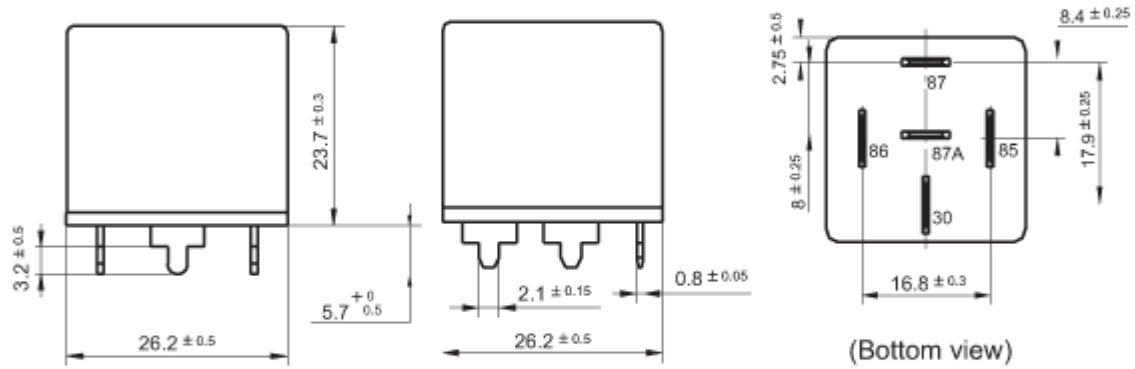
1A Wiring Diagram

(Bottom View)

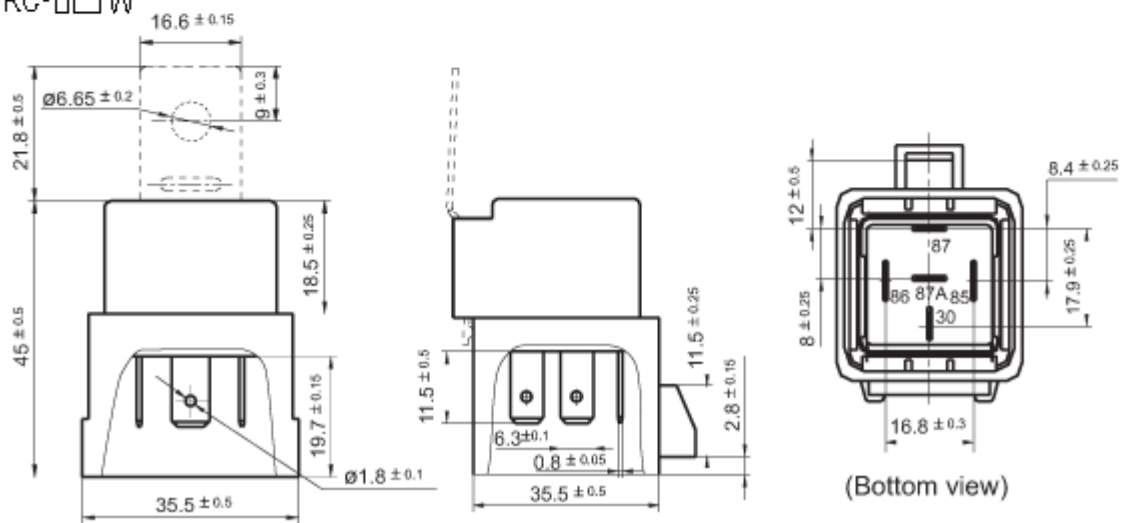
RC-□□E



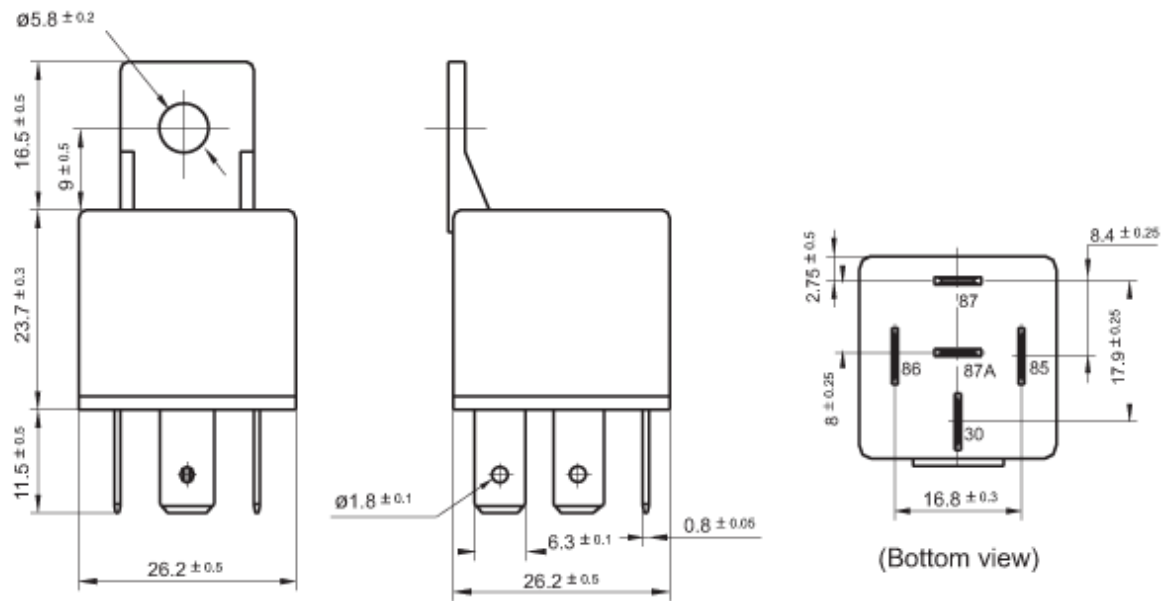
RC-□□EP



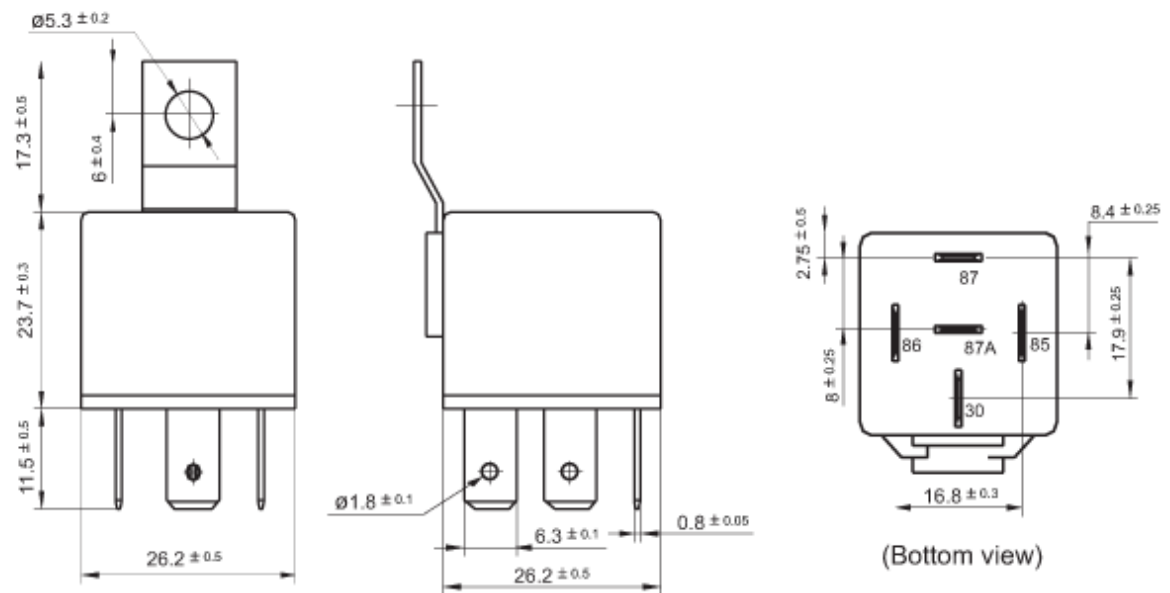
RC-□□W



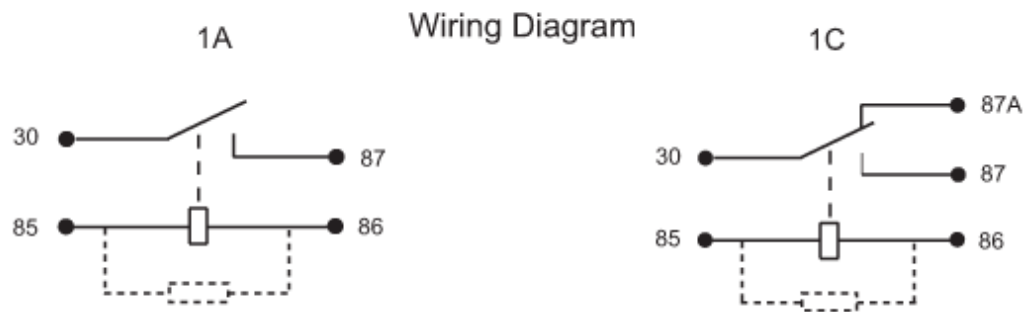
RC-□□



RC-□□M

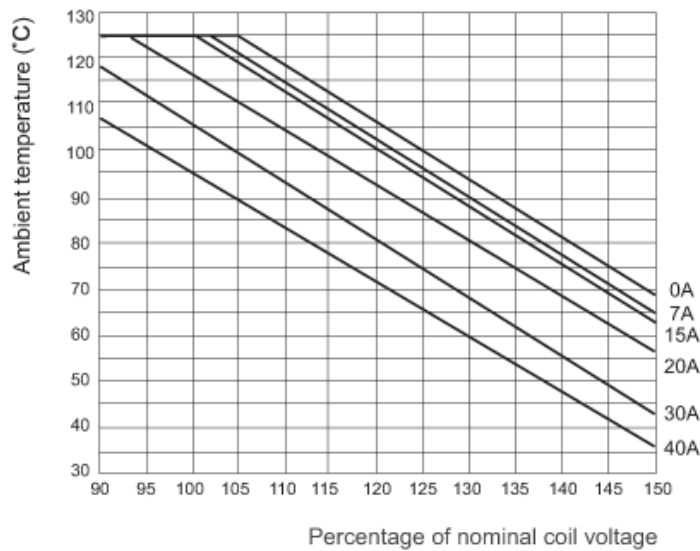


Notes: Terminal vertical deviation tolerance is 0.2mm.



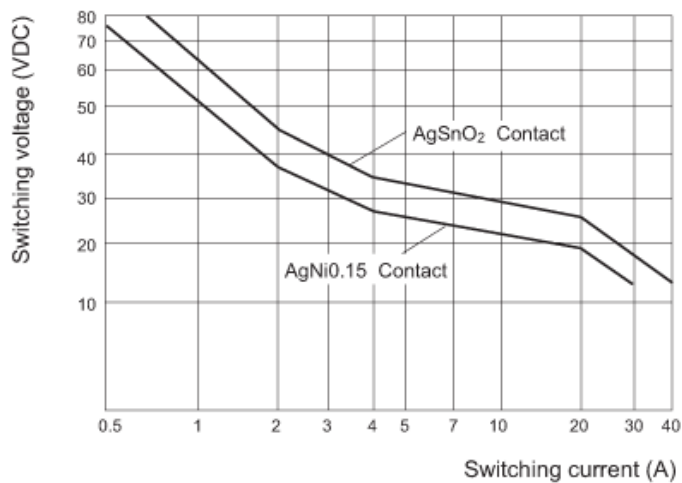
► CHARACTERISTICS CURVE

1. Coil operating voltage range



- 1) This chart takes dust protected version as example.
- 2) The maximum allowable coil temperature is 155°C. For the coil temperature rise which is measured by resistance is average value, we recommend the coil temperature should be below 140°C under the different application ambient, different coil voltage and different load etc.
- 3) If the actual operating coil voltage is out of the specified range, please contact Handouk for further details.

2. Load limit curve (at 23°C)



- 1) This chart takes NO contact as example.
- 2) The load and electrical endurance tests are made according to "CONTACT DATA" parameters' table. If actual load voltage, current, or operate frequency is different from "CONTACT DATA" table, please arrange corresponding tests for confirmation.

Disclaimer

This datasheet is for the customers' reference. All the specifications are subject to change without notice.

We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact Handouk for the technical service. However, it is the user's responsibility to determine which product should be used only.