



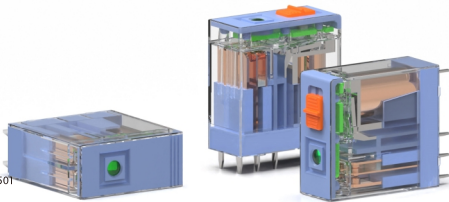
Certification Number:
2023000303000021



Certification Number:
ICR Polska/VC/HD230501



Certification Number:
TNVROHSRY551



Characteristics

- 16A/12A load switching function
- One group, two sets of contact conversion forms
- Withstands 200A inrush current
- Dust cover type package
- The space distance is greater than 6.4mm, and the creepage distance is greater than 8mm
- Specifications with test buttons
- Meet the use of sockets

Contact parameters

Contact form	1A/1B/1C 2A/2B/2C
Contact Resistance(1)	100mΩ or less (at 6VDC1A)
Contact material	AgSnO alloy
Contact load	NO: 16A/12A 277VAC COSφ=10
Maximum switching voltage	277VAC/30VDC
Maximum switching current	16A/12A
Maximum Switching Current	4430VA/480W 3324VAC/240W
Minimum switching load	100mA 10V
Mechanical durability	≥ 20 million times
Electrical Life(2)	2 × 10 ⁵

Performance parameters

Insulation resistance	≥1000MΩ (500VDC)
Dielectric strength	Between contact sets 3000VAC 1min
	Between across contacts of same pole 1000VAC 1min
	Between coil and contacts 5000VAC 1min
Action time	≤15ms
Release time	DC coil type ≤10ms AC coil type: 15ms
Coil temperature rise	≤85K
Impulse voltage	Waveform: 1.2/50us 4000V
Shock resistance	60HZ amplitude 2mm
Humidity	35 ~ 85%RH
Temperature	-40℃ ~ +80℃
Lead-out form	Plug-in/PCB mount
Weight	About 19g
Encapsulation	Dust cover type

Coil parameters

Coil power consumption	About 0.4W(DC)
	About 1.6VA(AC)

Remark:

- (1) The above values are initial values;
(2) See the performance curve diagram for detailed electrical life, if there are other conditions, it can be with Our company contacts.

Coil Specification Sheet

23℃

Rated voltage VDC(0.53W)	Operate voltage(1) VDC	release voltage VDC	Maximum voltage(2) VDC	Coil resistance Ω (± 10%)
6	80%Max.	5%Min.	95-120%	67
12	80%Max.	5%Min.	95-120%	270
24	80%Max.	5%Min.	95-120%	1080
48	80%Max.	5%Min.	95-120%	4345
110(3)	80%Max.	5%Min.	95-120%	22800

Rated voltage VDC(0.8W)	Operate voltage(1) VDC	release voltage VDC	Maximum voltage(2) VDC	Coil resistance Ω (± 10%)
6	80%Max.	5%Min.	95-120%	45
12	80%Max.	5%Min.	95-120%	180
24	80%Max.	5%Min.	95-120%	720
48	80%Max.	5%Min.	95-120%	2880
110(3)	80%Max.	5%Min.	95-120%	13600

Rated voltage VAC(1-1.4VA)	Operate voltage(1) VAC	release voltage VAC	Maximum voltage(2) VAC	Coil resistance Ω (± 10%)
6	80%Max.	10%Min.	95-110%	19
12	80%Max.	10%Min.	95-110%	72
24	80%Max.	10%Min.	95-110%	290
48	80%Max.	10%Min.	95-110%	1200
60	80%Max.	10%Min.	95-110%	1800
110(3)	80%Max.	10%Min.	95-110%	6000
220(3)	80%Max.	10%Min.	95-110%	23000

Remark:

- (1) At room temperature, when the relay operates normally, it is necessary to have a coil foot in the relay the minimum value of the applied voltage shall not be less than 80% of the rated voltage value, but in order to achieve: To the specified product performance, please apply the rated voltage to the coil when using;
(2) The maximum voltage refers to the maximum electricity that the relay coil can withstand in a short period of time pressure value;
(3) A110: Rated voltage (100~110) V a.c.;
A220: Rated voltage (220~240) V a.c.;
D110: Rated voltage (100~110) V d.c.

Example of an order mark

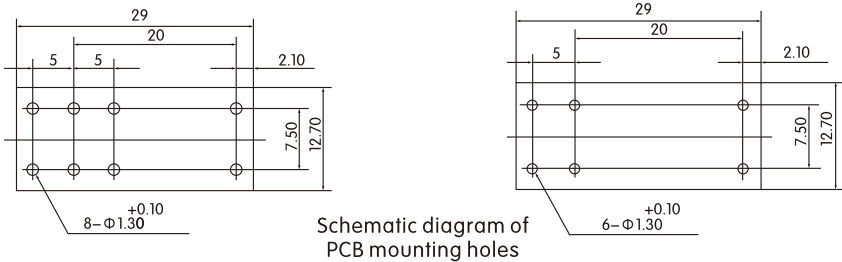
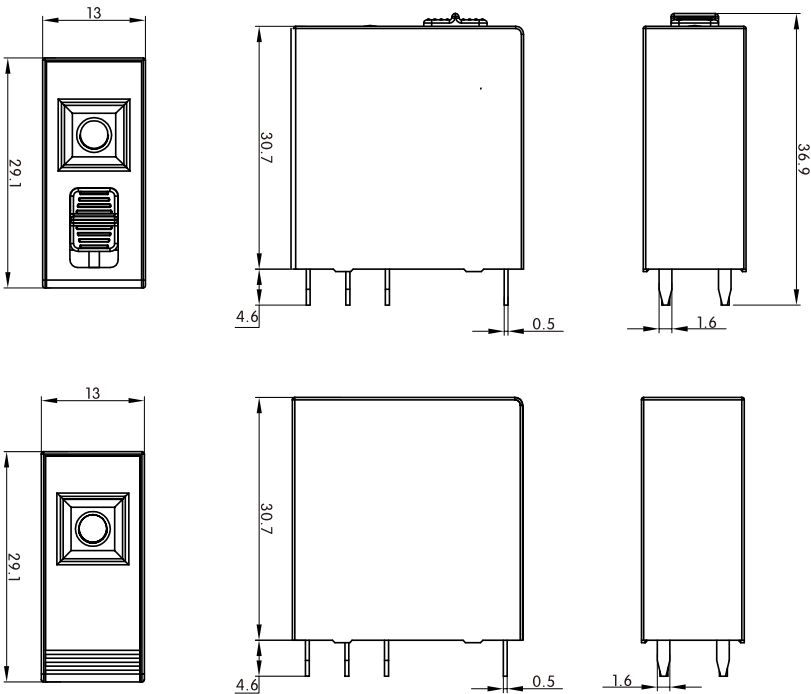
RY **1C/2C** **-D24** **L** **T**
① ② ③ ④ ⑤

- ① RY:Enterprise code
- ② Contact form: 1A=1 form A 1 group normally open type; 1B=1 form B Group 1 normally closed; 1C=1 form C 1 group conversion type
2A=2 form A 2 groups of normally open type; 2B=2 form B Group 2 normally closed; 2C=2 form C 2 group conversion type
- ③ Coil voltage D: DC A: AC ④ L: LED light None: without LED light
- ⑤ T: With test button None: Without test button

Remark:
1. When ordering, refer to the coil specification table for relay voltage selection;
2. For products with rated voltage ≤ 220VDC, with freewheeling diode selection;
3. The special requirements of customers will be identified in the form of characteristic numbers after being reviewed by our technical department.

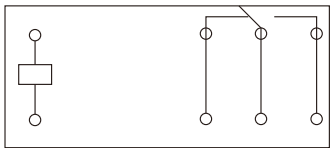
Exterior Dimension Drawing

unit:mm

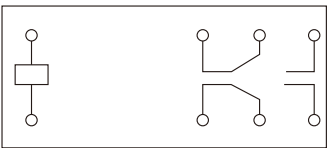


Schematic diagram of
PCB mounting holes

1NO1NC
1 Form C

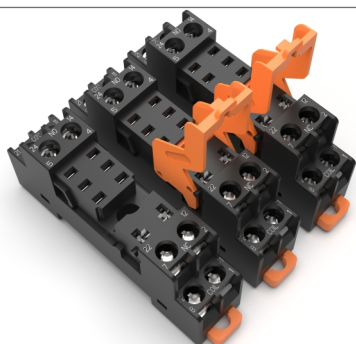


2NO2NC
2 Form C



Remark:
1. The overall dimensions of the product are not marked with dimensional tolerance, when the overall dimensions are $\leq 1\text{mm}$, the tolerance is $\pm 0.2\text{mm}$; When the overall size is between (1~5)mm, the tolerance is $\pm 0.3\text{mm}$; When the overall size $> 5\text{mm}$, the tolerance is $\pm 0.4\text{mm}$;
2. The size tolerance of the mounting hole is $\pm 0.1\text{mm}$;
3. DC with freewheeling diode products need to confirm the positive and negative electrodes before wiring.

Matching relay base



CE
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RÖHS
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Characteristics

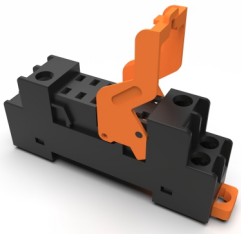
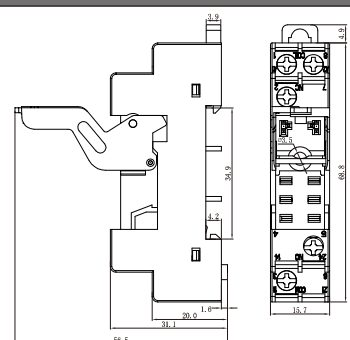
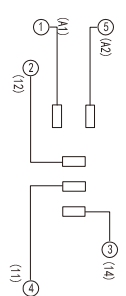
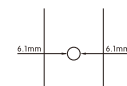
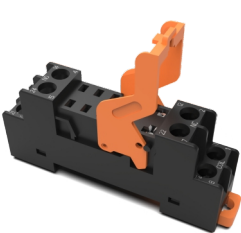
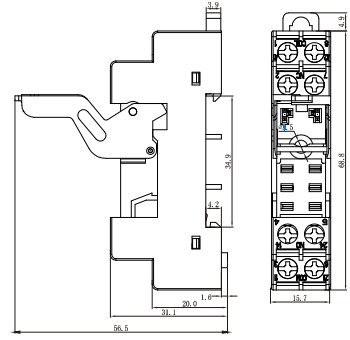
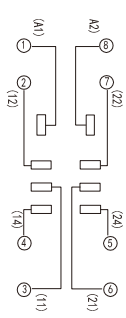
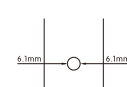
- The dielectric withstand voltage can reach 2000VAC, and the insulation resistance is 1000MΩ
- With finger protection function
- The shell is made of PA66+G20 environmentally friendly flame retardant nylon

Performance parameters

Model	Rated voltage	Current rating	Ambient temperature	Dielectric strength	Plugging life	Screw torque	External wires	Insert material	Weight
RX 1CO F	250VAC	10A	-35℃~70℃	2000VAC	10000	0.8~1.0N.m	7mm	H62	About27g
RX 2CO F	250VAC	10A	-35℃~70℃	2500VAC	10000	0.8~1.0N.m	7mm	H62	About32g

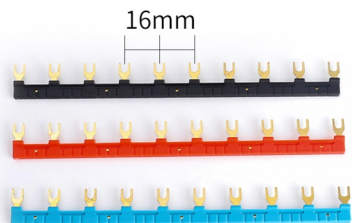
Outline drawing, wiring drawing, mounting hole size

unit:mm

Matching base	Dimensions	Wiring diagram	Mounting hole size	Optional accessories
<div>RX 1CO F</div> 				Connecting strips ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)
<div>RX 2CO F</div> 				Connecting strips ES-10-16H(蓝blue) ES-10-16HR(红Red) ES-10-16HB(黑black)

Related Accessories

Connecting strips



ES-10-16H	Blue
ES-10-16HR	Red
ES-10-16HB	Black

