

# Industrial Relay Type RPY 2 10A Monostable



- High switching power
- Small size
- Wide range of applications
- 10A switching capacity
- 2 pole configuration
- Flanged (blade) pins 5mm (0.20")
- DC coils from 6 to 240V
- AC coils from 6 to 380V
- High sensitivity
- Compliant with CE low voltage directive
- TÜV, UL, CSA approved

## Product Description

The RPY relay can be used for a wide range of industrial applications. Available in a 1, 2, 3, 4 pole change-over contact configuration. Its wide terminals allow reliability at big currents.

## Ordering Key

**RPY A 002 A24 DLT**

Type \_\_\_\_\_  
Terminal type \_\_\_\_\_  
Contact code \_\_\_\_\_  
Coil Code \_\_\_\_\_  
Options \_\_\_\_\_

## Approvals



Terminal type A = Plug in terminals, blades  
B = PCB terminals

Box content: 20 relays  
Box size: (W 240 x D 105 x H 38) mm Weight: 750g  
(W 9.45 x D 4.13 x H 1.50) inches Weight: 26.45oz

## Type Selection

Contact configuration	Contact rating	Contact code
2 change over contact (DPDT- 2 form C)	10A	002

## Coil Characteristics, DC @ +25°C (+77°F), coil power 900mW

Coil Code	Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max.Allowed Voltage VDC	Coil Current mA	Coil Resistance Ω
6	6	4.5	0.60	6.6	150	40
9	9	6.75	0.90	9.9	100	90
12	12	9	1.20	13.2	75	160
24	24	18	2.40	26.4	36.9	650
36	36	27	3.60	39.6	24	1500
48	48	36	4.80	52.8	18.5	2600
100	100	75	10.0	110	9.09	11000
110	110	82.5	11.0	121	10	11000
220	220	165	22.0	242	5.24	42000
240	240	180	24.0	264	3.75	64000

## Coil Characteristics, AC @ +25°C (+77°F), coil power 1.2VA

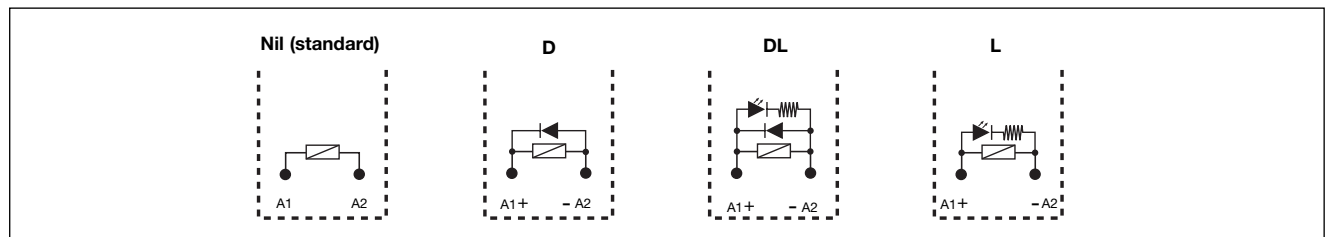
Coil Code	Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Max. Allowed Voltage VAC	Coil Current mA		Coil Resistance Ω
					50Hz	60Hz	
A6	6	4.8	1.8	6.6	230	200	11.5
A12	12	9.6	3.6	13.2	120	100	40
A24	24	19.2	7.2	26.4	57.5	50	160
A36	36	28.8	10.8	39.6	38	33	370
A48	48	38.4	14.4	52.8	28.75	25	600
A110	100/110	88	33.0	121	12.7	11	3750
A120	120	96	36.0	142	11.5	10	3900
A220	220	176	66.0	242	6.3	5.5	13000
A240	240	192	72.0	264	5.75	5	18790
A380	380	304	114	418	3.62	3.15	42000

## Options

Nil = Standard (Fig.1)  
D = Free Wheeling diode (DC coil only)  
F = Flange Mount (Fig.2)  
F1 = lateral flange (Fig.3)  
G = Gold Plated contacts

L = LED  
T = Test Button

**Note:**  
In case of more options use the alphabetical order for coding.  
LED and test button are not available on flange mount version



## Contact Characteristics

<b>Contact Rating (With resistive load)</b>	<b>10A-250VAC</b>	<b>Max Switching Power</b>	<b>2500VA / 280W</b>
<b>Rated values</b>	<b>10A-250VAC / 28VDC</b>	<b>Life</b>	
<b>Material</b>	<b>AgSnO<sub>2</sub>In<sub>2</sub>O<sub>3</sub></b>	Electrical life	<b>1x10<sup>5</sup> cycles (3600ops/h)</b>
<b>Contact Resistance</b>	<b>≤50mΩ</b>	Mechanical	<b>1x10<sup>7</sup> cycles (18000ops/h)</b>
<b>Current</b>		<b>UL/CSA ratings</b>	<b>1/3Hp 120VAC</b>
Max. switching current	<b>10A</b>		<b>1/2Hp 240VAC</b>
Min. switching current	<b>10mA @ 12VDC</b>		<b>10A @ 30VDC</b>
Min. switching current G version	<b>1mA @ 6VDC</b>		<b>10A @ 250VAC</b>

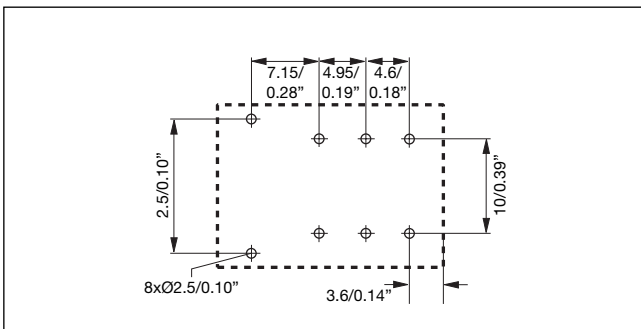
## Insulation

<b>Test voltage</b> (1min.)		<b>Insulation According to</b>	
Between coil and contacts	<b>2000VAC</b>	<b>EN61810-5</b>	
Between open contacts	<b>1200VAC</b>	Rated insulation voltage	<b>250V</b>
Contact / contact	<b>1200VAC</b>	Impulsive insulation	<b>2kV</b>
<b>Insulation resistance</b>	<b>≥1000MΩ - 500V</b>	<b>Overvoltage categor</b>	<b>II</b>

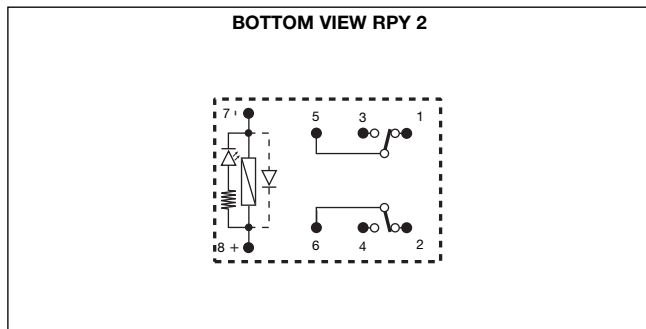
## General Data

<b>Nominal coil power</b>	<b>0.9W DC – 1.2VA AC</b>	<b>Vibration resistance</b>	<b>10 to 55Hz 1mm (0.04")</b>
<b>Operating time</b> (at nominal voltage)	<b>≤20ms</b>	<b>Shock resistance</b>	<b>98m/s<sup>2</sup> (10G)</b>
<b>Release time</b> (at nominal voltage)	<b>≤20ms</b>	<b>Termination</b>	<b>Flanges (blades) 5mm (0.20")</b>
<b>Ambient temperature</b>	<b>-25°C +55°C (-13°F to +131°F)</b>	<b>Construction</b>	<b>Dust cover</b>
<b>Ambient humidity</b>	<b>35% to 85%</b>	<b>Weight</b>	<b>35g (1.23oz)</b>

## Pin View mm/inches



## Wiring Diagram



## Dimensions mm/inches

