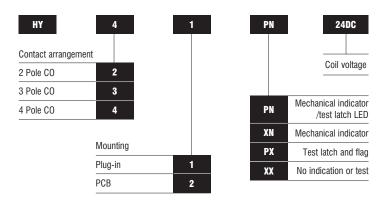
Miniature Intermediate Power Relay HY



- 7A switching capabilities (2C, 3C)
- 1.5kV dielectric strength (between coil and contacts)
- Various terminals, test button available
- Different sockets available
- 2 to 4 pole configurations
- Outline dimensions: 28 x 21.5 x 36.0 mm

Options and Ordering Codes





Coil Data

COII Dala				at 23°C
Nominal Voltage VDC	Pick-up Voltage VDC	Drop-out Voltage VDC	Max. Allowable Voltage VDC	Coil Resistance Ω
5	4	0.5	5.5	27.5 (1 ± 10%)
6	4.8	0.6	6.6	40 (1 ± 10%)
12	9.6	1.2	13.2	160 (1 ± 10%)
24	19.2	2.4	26.4	650 (1 ± 10%)
48	38.4	4.8	52.8	2600 (1 ± 15%)
110	88	11	121	11000 (1 ± 15%)

Nominal Voltage VAC	Pick-up Voltage VAC	Drop-out Voltage VAC	Max. Allowable Voltage VAC	Coil Resistance Ω
6	4.8	1.8	6.6	11.5 (1 ± 10%)
12	9.6	3.6	13.2	46 (1 ± 10%)
24	19.2	7.2	26.4	184 (1 ± 10%)
48	38.4	14.4	52.8	735 (1 ± 10%)
120	96	36	132	4550 (1 ± 15%)
240	176	66	264	14400 (1 ± 15%)

Coil

Coil power	DC type	0.9W to 1.1W	
Coil power	AC type	1.2VA to 1.8VA	

Safety Approval Ratings

	2PCO	7A 250VAC / 30VDC	
UL/CUL	3PC0		
	4PC0	5A 250VAC / 30VDC	

Contact Data

Contact arrangement	2C, 3C	4C	
Contact resistance	100mΩ (at 1A 6VDC)		
Contact material	Silver Alloy		
Contact Rating	7A 250VAC / 30VDC	5A 250VAC / 30VDC	
Max. switching voltage	250VAC / 30VDC		
Max. switching current	7A	5A	
Max awitabing power	210W	150W	
Max. switching power	1750VA	1250VA	
Mechanical Life	2x10 ⁷ OPS		
Electrical Life	1x10⁵ OPS		

Characteristics

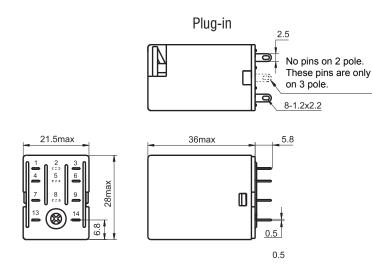
Initial Insulation Resistance		1000MΩ (at 500VAC)
Dielectric Strength	Between coil & contacts	1500VAC 1min.
	Between open contacts	1000VAC 1min.
	Between contact sets	1500VAC 1min.
Operate time (at nomi. Volt)		25 ms max.
Release time (at nomi. Volt)		25 ms max.
Chook registeres	Functional	98m/s ²
Shock resistance	Destructive	980m/s ²
Vibration resistance		10 to 55Hz 1mm DA
Ambient temperature		-40°C to +70°C
Humidity		95% RH, 40°C
Termination	PCB, Plug-in	
Unit Weight	Approx 37g	
Construction		Dust protected

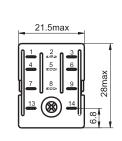
Miniature Intermediate Power Relay HY

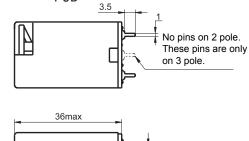


Outline dimensions (mm)

2 and 3 Poles





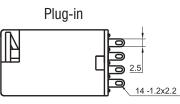


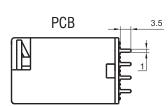
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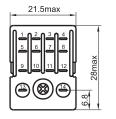
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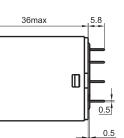
PCB

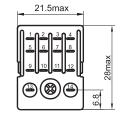


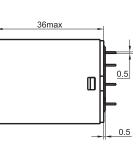






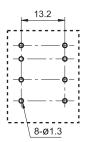




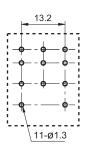


PCB Layout

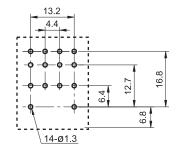
2 Pole CO







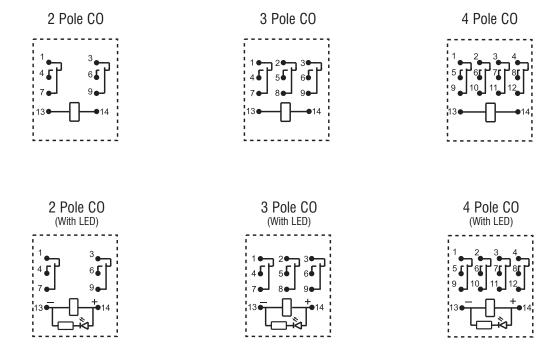
4 Pole CO



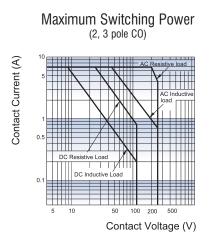
Miniature Intermediate Power Relay HY



Wiring diagram



Characteristics Curve



Maximum Switching Power (4 pole C0)

Contact Current (A)

Contact Voltage (V)