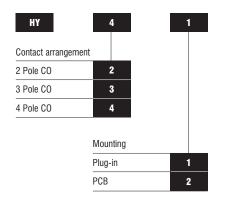
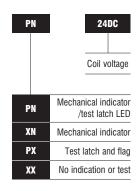
Miniature Intermediate Power Relay HY



- 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





CE CF FU GFU



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. switching power	210W	150W	
	1750VA	1250VA	
Mechanical Life	2x10 ⁷ OPS		
Electrical Life	1x10 ⁵ OPS		

Characteristics

	1000MΩ (at 500VAC)
Between coil & contacts	1500VAC 1min.
Between open contacts	1000VAC 1min.
Between contact sets	1500VAC 1min.
Operate time (at nomi. Volt)	
Release time (at nomi. Volt)	
Functional	98m/s ²
Destructive	980m/s ²
Vibration resistance	
Ambient temperature	
Humidity	
Termination	
Unit Weight	
Construction	
	Between open contacts Between contact sets Functional

Coil Data

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
	AC type	1.2VA to 1.8VA

Safety Approval Ratings

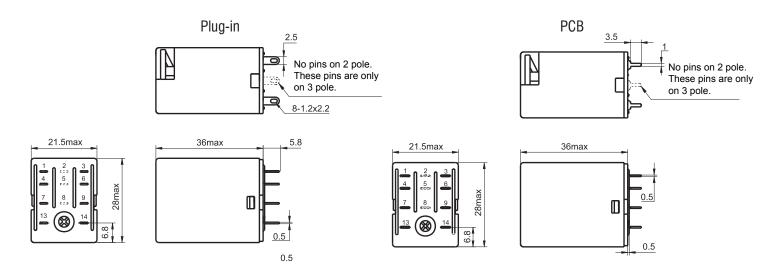
UL/CUL	2PCO	7A 250VAC / 30VDC	
	3PCO	7A 230VAC / 30VDC	
	4PCO	5A 250VAC / 30VDC	

Miniature Intermediate Power Relay HY

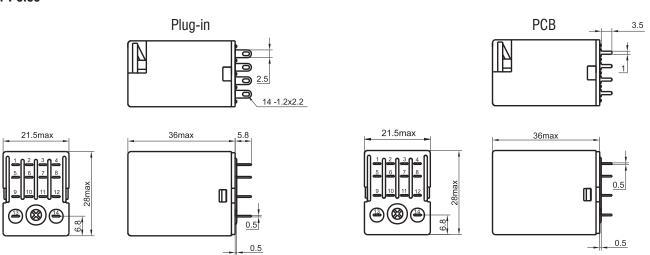


Outline dimensions (mm)

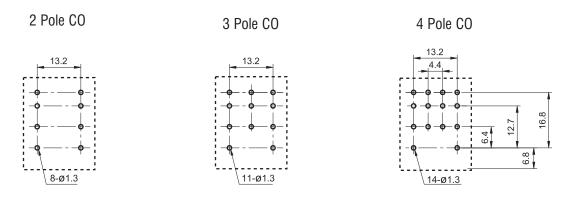
2 and 3 Poles



4 Poles



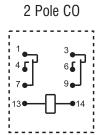
PCB Layout

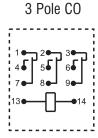


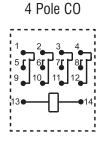
Miniature Intermediate Power Relay HY

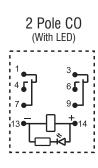


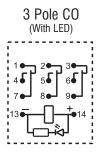
Wiring diagram

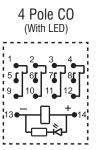












Characteristics Curve

