

High Capacity Relay HY



- 3mm contact gap as standard
- 30A high capacity relay able to withstand momentary voltage drops to 50% rated
- Class F insulation
- Heavy load up to 7500VA
- UL/cUL approved



Options and ordering codes

HY	-	1A	-	1	-	200/240VAC
Power Relay						For coil voltage see table
Single pole double make		1A				
Double pole double make		2A				
				1	Solder Lug/push-on	
				2	PCB (2A version only)	

Specification

Type	HY1A	HY2A
Rated load	Res. 30A, 250VAC/Ind. 25A, 250VAC COS Ø0.4	Res. 25A, 250VAC/Ind. 25A, 250VAC COS Ø0.4
Rated current	30A	25A
Maximum switching voltage	277VAC	
Maximum switching capacity	7500VA	6250VA
Operate time	30ms max	
Release time	30ms max	
Dielectric strength	4000V, 50/60Hz for 1 min (coil to contact)	
Ambient operating temperature	-55 ~ +70C (no freezing)	
Mechanical service life	10,000,000 operations min	
Electrical service life	100,000 operations min	
Contact material	AgSnO	
Voltage range	AC80 ~ 110%, DC75 ~ 110%	
Power consumption	Approx. 1.7VA ~ 2.7VA/1.9W	
Weight	Approx. 120g	

Coil Data

Rated Volatge	AC Coils. Coil resistance Ω	DC Coils. Coil resistance Ω
12	75	75
24	300	300
100/120	5200	6300
200/240	208000	-

Technical drawing of a rectangular electronic component, showing three views: top, front, and side. The drawing includes six dimensions and six numbered callouts (1-6) pointing to specific features.

- Top View:** Shows the overall dimensions of 51.5 (width) and 34.9 (height). The internal layout is divided into six numbered sections: 1 (top left), 2 (top center), 3 (top right), 4 (top right), 5 (bottom right), and 6 (bottom left). A dimension of 40 is shown across the top, and 8.0 is shown across the left side. A circular feature with a diameter of $\varnothing 4.5$ is indicated on the left side.
- Front View:** Shows the component's profile with a total width of 36.4 and a height of 14.4. It features four mounting holes along the top edge.
- Side View:** Shows the component's profile with a total width of 36.4 and a height of 10.4. It features two mounting holes along the top edge. A dimension of 6.35 is shown across the top, and 0.8 is shown across the bottom.

The diagram shows two types of electrical connections. The top connection is a break in a wire, represented by two horizontal segments with a gap between them. The bottom connection is a wire with a coil, represented by a horizontal line with a coiled section in the middle.

Technical drawing of a 3x3 grid of holes. The grid is 36.4 units wide and 17.7 units high. The distance between the center of the leftmost and rightmost holes is 14.4 units. The distance between the center of the top and bottom holes is 17.7 units. The holes are labeled 1.1x3.3 - 6. The tolerance is ± 0.1 .

Technical drawing of a square plate with the following specifications:

- Overall dimensions: 40 ± 0.1 mm (width and height).
- Hole specifications: $\varnothing 4.5 \pm 0.1 - 2$ or M4 Tapped holes.
- The drawing shows a square plate with two circular holes, one on each side, centered vertically.