

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	-

The diagram illustrates two basic electrical connections. The top part shows a series connection where two resistors, labeled 1 and 4, are connected end-to-end. The bottom part shows a parallel connection where two resistors, labeled 6 and 5, are connected side-by-side between two common nodes.

Technical drawing of a square plate with the following specifications:

- Overall dimensions: 40 ± 0.1 mm (width and height).
- Material: AL 6061 T6.
- Surface finish: $0.8 \mu m$ Ra.
- Holes: Two holes, each with a diameter of $\varnothing 4.5 \pm 0.1$ mm. The holes are located on the left and right faces, centered vertically, with a center-to-center distance of 20 ± 0.1 mm.
- Alternative hole specification: M4 Tapped holes.