

HSR-2D (low)

- C-R Snubber, Zero cross
- Load Voltage 100-240 V a.c
- High reliability as non contact
- High insulation between input/output

Suffix code



Model	Code					Information
HSR-2	☐	☐	☐	☐	☐	Single phase solid state relay
Input voltage	D					4 - 32 V d.c
	A					90 - 264 V a.c
Rated load current	10					10 A
	20					20 A
	30					30 A
	40					40 A
	50					50 A
	70					70 A
Load voltage	2					90 - 264 V AC (low voltage)
	4					90 - 480 V AC (high voltage)
Operation method	Z					Zero Cross Switching
	R					Random Switching
Radiator attachment state	-					No indication (no radiator)
	T					Radiator in one body type (only with 50A and 70A)

• Specification

Model		HSR-2D102□	HSR-2D202□	HSR-2D302□	HSR-2D402□	HSR-2D502□	HSR-2D702□
Load	Rated load voltage	100 - 240 V AC					
	Power supply voltage	90 - 264 V AC					
	Peak voltage (no repetition)	600 V				800 V	
	Rated load current	10 A	20 A	30 A	40 A	50 A	70 A
	Frequency	25 - 65 Hz					
	Input current	170 A	250 A	315 A		580 A	
	Leakage current	10 mA	15 mA				
	Output ON voltage dropping	1.3 V	1.6 V	1.8 V			
	Min operation current	1 A				0.5 A	
	Response speed	1/2 cycle + 1 ms max.					
Input	Rated voltage	Max 1 ms					
	Usable voltage range	5 - 24 V DC					
	Impedance	4 - 32 V DC					
	Operation voltage	Max 4 kΩ					
	Return voltage	Min 3 V DC					
	Input current	Max 1.5 V DC					
Insulation resistance		Constant current method : 10 mA (±3)					
Dielectric strength		500 V DC, 100 MΩ (Between the input / output and case)					
Vibration resistance		2,500 V AC (for 1 min at 60Hz)					
Shock resistance		10 - 55 Hz Double amplitude : 1.5 mm, each X, Y and Z direction for 2 hour					
Storage temperature		1,000 m/s ² , X,Y,Z each X, Y and Z direction for 3 times					
Ambient temperature		-30 °C ~ 90 °C					
Ambient humidity		-20 °C ~ 80 °C					
weight		45 ~ 85 % RH					
		Approx 150 g (included the weight of box)					