

HSR-SLD series

- 22.4 mm Ultra slim size
- Wide range of rated load voltage 90 - 264 V AC / 90 - 480 V AC
- High insulation for input and output
- C-R Snubber, Zero Cross function
- Improved safety and workability by integral of heat sink



Suffix code

Model	Code						Information
HSR	-SL	□	□	□	□	□	Slim Type Single-Phase Solid State Relay
Input Control Voltage		D					4 - 32 V d.c
Contact			-				1 contact
			2C				2 contact
Rated load current				15			15 A
				25			25 A
				40			40 A
Rated load voltage				2			90 - 264 V a.c (Low voltage)
				4			90 - 480 V a.c (High voltage)
Operation method (Switching Mode)						Z	Zero Cross Switching (Standard product)
						R	Random Switching

※ 2 contact : Only available for 15 A items (HSR-SLD2C152Z, HSR-SLD2C154Z)

· Specification

Model		LOW	HSR-SLD152Z	HSR-SLD252Z	HSR-SLD402Z
		HIGH	HSR-SLD154Z	HSR-SLD254Z	HSR-SLD404Z
W×H×D (mm)		17.4×99×98.5			44.4×99×98.5
Input	Rated Voltage		5 - 24 V d.c		
	Voltage use range		4 - 32 V d.c		
	Impedance		Less than 4 kΩ		
	Operation Voltage		More than 3 V d.c		
	Reset Voltage		Less than 1.5 V		
Load	Rated load voltage	LOW	90 - 264 V a.c		
		HIGH	90 - 480 V a.c		
	Peak voltage (No repetition)	LOW	600 V		
		HIGH	800 V	1200 V	
	Rated load current		15 A	25 A	40 A
	Frequency		50/60 Hz (Dual usage)		
	Surge current (8.3 ms No repetition)	LOW	170 A	260 A	420 A
		HIGH	170 A	250 A	370 A
	Leakage current		20 mA max.		
	Output ON voltage dropping		1.6 V (R.M.S) max.		
Zero cross Function		Available (R type is not available)			
Response Time		1/2 Cycle + 1 ms max. (R type below 1 ms)			
Insulating Resistance		500 V d.c 100 MΩ (Between the input / output and case)			
Dielectric strength		3,000 V a.c (For 1 min at 60 Hz)			
Vibration resistance		10 - 55 Hz Double amplitude : 1.5 mm each X,Y and Z direction for 2 hours			
Shock resistance		1,000 m/s ² , X, Y, Z each axis 3 times			
Storage Temperature		-30 °C ~ 90 °C			
Ambient Temperature		0 °C ~ 40 °C (Without condensation)			
Ambient Humidity		45 ~ 85 %R.H.			
Weight		Approx 230 g(Including packing box)		Approx 372 g (Including packing box)	