

## Single phase solid state relay

# HSR-SLD series



- ▶ 22.4mm Ultra slim size
- ▶ Wide range of rated load voltage  
90~264 V a.c / 90 - 480 V a.c
- ▶ High insulation for input and output
- ▶ C-R Snubber, Zero Cross function
- ▶ Improved safety and operability by Heat sink one body type

### >> Suffix code

Model	Code						Information
HSR	-SL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	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
	R						Random Switching

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

### >> Specification

Model	Low	HSR-SLD152Z	HSR-SLD252Z	HSR-SLD402Z	
	High	HSR-SLD154Z	HSR-SLD254Z	HSR-SLD404Z	
O U T P U T	Rated load voltage	Low	90 - 264 V a.c		
		High	90 - 480 V a.c		
	Peak voltage (Non-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 )				
I N P U T	Rated voltage	5 - 24 V d.c			
	voltage ous range	4 - 32 V d.c			
	Impedance	Less than 4 kΩ			
	Operation voltage	More than 3 V d.c			
	Release voltage	Less than 1.5 V d.c			
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	3000 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	1000 %, X, Y, Z each axis 3 times				
Storage temperature	-30 ~ 90 °C				
Ambient temperature	-20 ~ 80 °C				
Ambient humidity	45 ~ 85 % R.H.				
Weight	Approx 230g ( Including packing box )			Approx 372g ( Including packing box )	