




HSP/HSM/HSN series

HSP series / HSM series

Model	HSP-10	HSP-20	HSP-40	HSM-70	HSM-110	HSM-150	HSM-200	HSM-250
		HSR-2□10□□	HSR-2□20□□	HSR-2□30□□ HSR-2□40□□	HSR-2□10□□	HSR-2□20□□ HSR-2□30□□	HSR-2□40□□ HSR-3□10□□	HSR-3□20□□ HSR-3□30□□
Appearance								
Capacity	10 A	20 A	30 A	10 A	20 A	40 A	20 A	40 A
Length (mm)	48	80	109	70	110	150	200	250

HSN series

Model	HSN-80	HSN-120	HSN-80-F	HSN-120-F
		HSR-2□50□□	HSR-2□70□□	HSR-3□50□□
With or without fan	Without	Without	With	With
Appearance				
Capacity	50 A	70 A	50 A	70 A
Length (mm)	80	120	92X92X25T	92X92X25T

HSR-PD series

Specifications

Model		HSR-PD032Z	HSR-PD052Z	HSR-PD082Z
Appearance				
WXHxD(mm)		35.0×19.0×8.0	37.5×23.2×10.6	35.0×36.7×20.0
Load	Rated load voltage	100-220 V a.c.		
	Used load voltage	90-240 V a.c.		
	Peak voltage (non-repeating)	600 V		
	Rated load current	3 A	5 A	8 A
	Frequency	50/60 Hz		
	Input current	30 A	60 A	120 A
	Leakage current	10 mA or less		
Input	Output ON voltage drop	1.6 V (rms) or less		
	Rated voltage	5-24 V d.c.		
	Operating voltage range	4-32 V d.c.		
	Impedance	4 kΩ or less		
	Operating voltage	3 V d.c. More than		
	Return voltage	1.5 V d.c. or less		
	Current input	Constant current method : 10 mA (±3)		
Response time	1/2 cycle + 1 ms max			
Insulation Resistance	500 V d.c., 100 MΩ (between input and output and case)			
Voltage withstand	2500 V a.c. (1 minute at 60 Hz)			
Vibration resistance	10-55 Hz, double amplitude : 1.5 mm, 2 hours in each of X, Y, and Z directions			
Shock resistance	100 m/s ² , 3 times each in X, Y, Z directions			
Storage temperature	-30 ~ 90 °C			
Ambient temperature and humidity	-20 ~ 80 °C, 45 ~ 85 % RH (without condensation)			
Weight (g)	10	22	27	

Suffix code

Model	Code	Content
HSR-P	□ □ □ □	Single-phase solid-state relay for printed circuit boards
Input voltage	D	4-32 V d.c.
Rated load current	03	3 A
	05	5 A
	08	8 A
Used load voltage	2	90-240 V a.c. (Low voltage)
The mode of operationally	Z	Zero cross switching
	R	Random switching

New product Phase

General type phase

Multifunctional 3-phase Radiator integrated type

New product 3-phase

General type 3-phase

Slim type phase Radiator integrated type

Slim type 2-line cutoff Radiator integrated type

Slim type 3-phase Radiator integrated type

Heatsink, PCB board phase