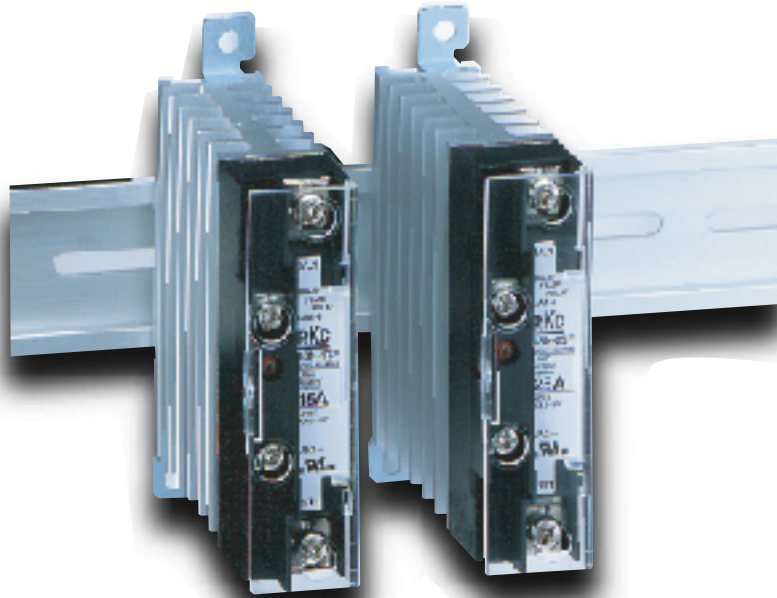
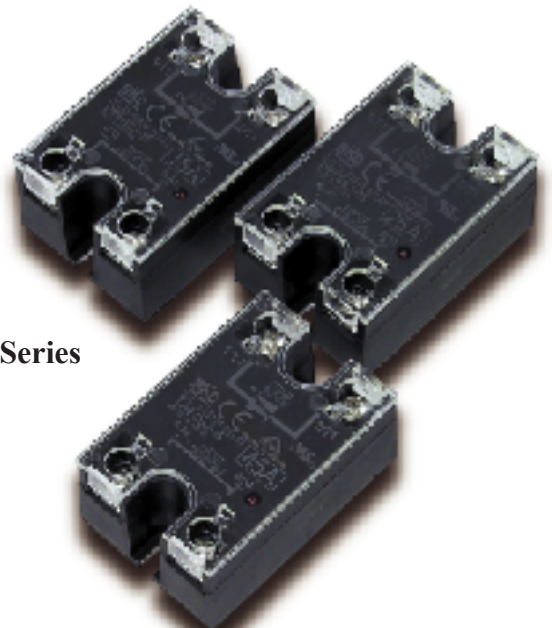


SSN/SSJ SERIES

Single Phase Solid State Relay



SSN Series



SSJ Series

SSN Series



c-UL Recognized
CE Mark (Pending)
TUV Recognized (Pending)

SSJ Series



c-UL Recognized
CE Mark
VDE Recognized (Pending)

SSN SERIES

DIN rail mounting type SSR

15A

25A



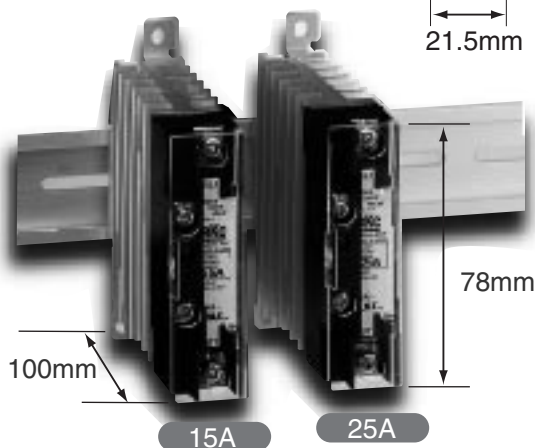
UL, c-UL Recognized
CE Mark (Pending)
TUV Recognized (Pending)

Slim Housing

Slim width of 21.5mm for 15 and 25A types.
Requires less than half the mounting space compared to standard SSRs.



21.5mm



100mm

15A

25A

Easily mounted on a DIN-rail.
Compact in size, even with a heatsink.

172mm

(SSN Series)



<Close mounting 8 SSRs> 352mm (SSD series)

* Maximum load current will vary depending on number of close mounted units.

Specifications

Maximum Load Current	15A AC, 25A AC
Minimum Load Current	100mA AC
Peak 1 Cycle Surge Current	15A AC : 150A (50Hz) 25A AC : 250A (50Hz)
Input Signal	Voltage pulse input (DC), LOW (OFF):0V HIGH (ON):4.5 to 30V
Input Impedance	450 to 3.0kΩ (Built-in constant current circuit 10mA)
Response Time	0.5 cycle or less
Input Protection	Protection of reverse polarity connection
Output Protection	CR protection circuit and Varistor
Output ON Voltage Drop	Less than 1.0V (200V AC)
Load Voltage	50 to 264V AC
Insulation Resistance	More than 100MΩ (500V DC)
Dielectric Strength	2500V AC (one minute)
OFF State Leakage Current	Less than 9mA (240V AC)
Induration Method	Phototriac
Net Weight	Approx. 220g

SSJ SERIES

Screw Mount SSR

15A

25A

45A

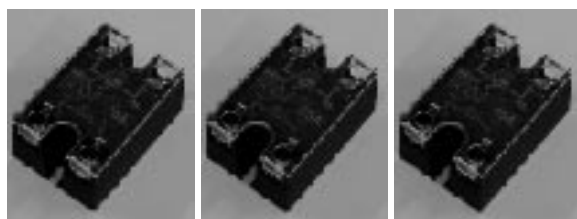


UL, c-UL Recognized
CE Mark
VDE Recognized

Cost Performance

Economical series.

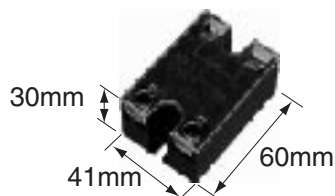
Available as 15/25/45A in the same dimension.



15A

25A

45A



30mm

41mm

60mm

Specifications

Maximum Load Current	15A,25A,45A AC
Minimum Load Current	100mA AC
Peak 1 Cycle Surge Current	15A AC :150A (50Hz) 25A AC :225A (50Hz) 45A AC :440A (50Hz)
Input Signal	Voltage pulse input (DC),LOW(OFF) :0V HIGH(ON) :3.5 to 30V
Input Impedance	10mA (Built-in constant current circuit 10mA)
Response Time	0.5 cycle + 1ms
Input Protection	Protection of reverse polarity connection
Output Protection	CR protection circuit and Varistor
Output ON Voltage Drop	Less than 1.5V (200V AC)
Load Voltage	35 to 264V AC
Insulation Resistance	More than 100MΩ (DC500V)
Dielectric Strength	3000V AC (1 minute)
OFF State Leakage Current	Less than 12mA (200V AC)
Induration Method	Phototriac
Net Weight of SSR	Approx.60g
Net Weight of Heatsink	RF-060 :165g, RF-120 : 330g, RF-200 : 760g

* Main unit is supplied with a heatsink.
(Heatsink for 15A)

SSN SERIES



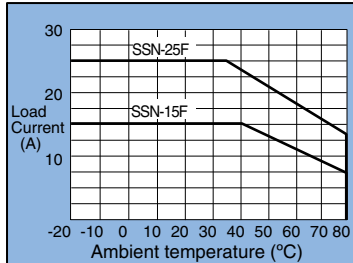
Model Code

● SSN (DIN Rail mounting type SSR)

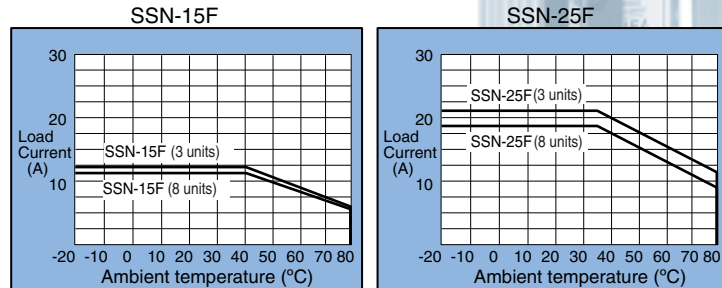
Specifications	Model and Suffix Code	
	SSN - □ F	
Max. Load Current	Max 15A	15
	Max 25A	25
Heatsink	With Heatsink	F

* A main unit comes with a heatsink.

Temperature characteristics of load current



* Temperature characteristics of load current with close horizontal mounting



SSJ SERIES



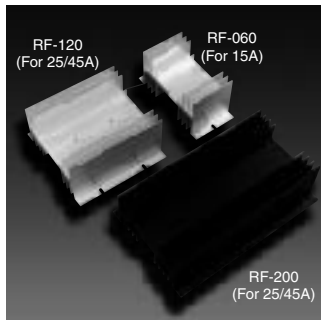
Model Code

● SSJ (Screw Mount SSR)

Specifications	Model and Suffix Code	
	SSJ - □	
Max. Load Current	Max 15A	15
	Max 25A	25
	Max 45A	45

Heatsink Mode Code

Heatsink for SSJ-15	RF-060
Heatsink for SSJ-25/SSJ-45	RF-120
	RF-200



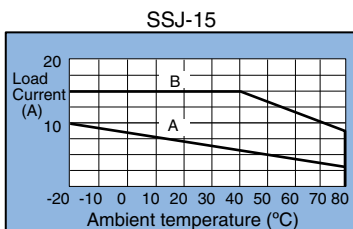
* Select RF-120 or RF-200 as a heatsink for SSJ-25 and SSJ-45 based on consideration of the mounting space and the ambient temperature characteristics, as temperature characteristics may change (see the following table).

Model code when main unit + heatsink are combined.

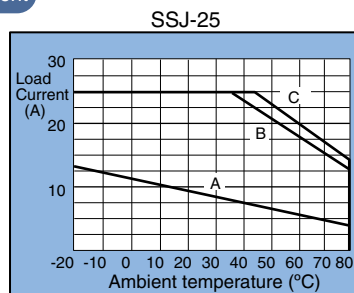
SSJ-15 + RF-060 (Heatsink)	SSJ-15F1
SSJ-25 + RF-120 (Heatsink)	SSJ-25F2
SSJ-25 + RF-200 (Heatsink)	SSJ-25F3
SSJ-45 + RF-120 (Heatsink)	SSJ-45F2
SSJ-45 + RF-200 (Heatsink)	SSJ-45F3

* The device is shipped with a heatsink fitted.

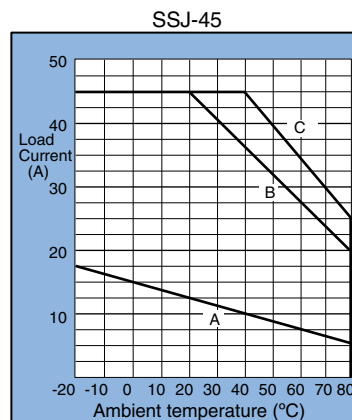
Temperature characteristics of load current



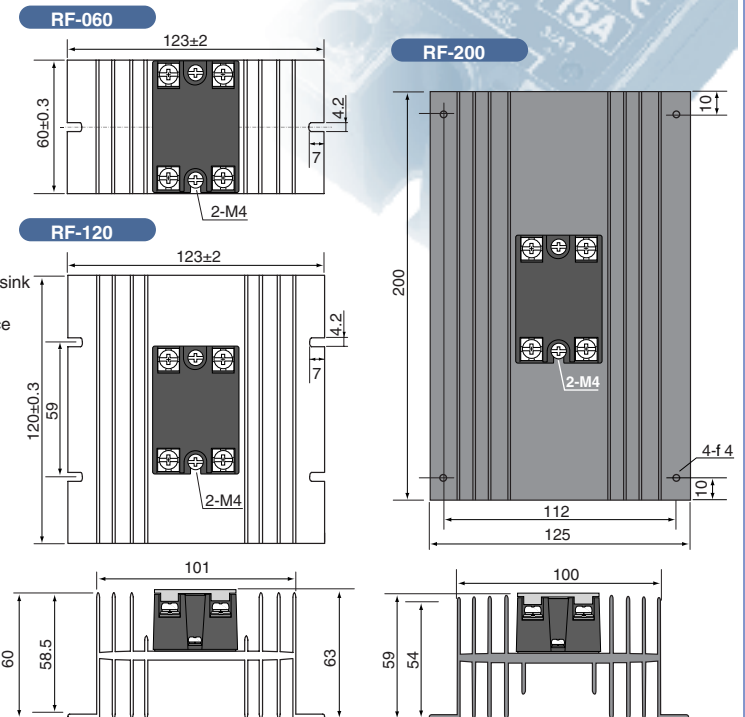
A. Without Heatsink
B. With Heatsink (RF-060)



A. Without Heatsink
B. With Heatsink (RF-120)
C. With Heatsink (RF-200)



A. Without Heatsink
B. With Heatsink (RF-120)
C. With Heatsink (RF-200)



SSN SERIES

DIN Rail Mounting Type SSR



External Dimensions

(Unit:mm)

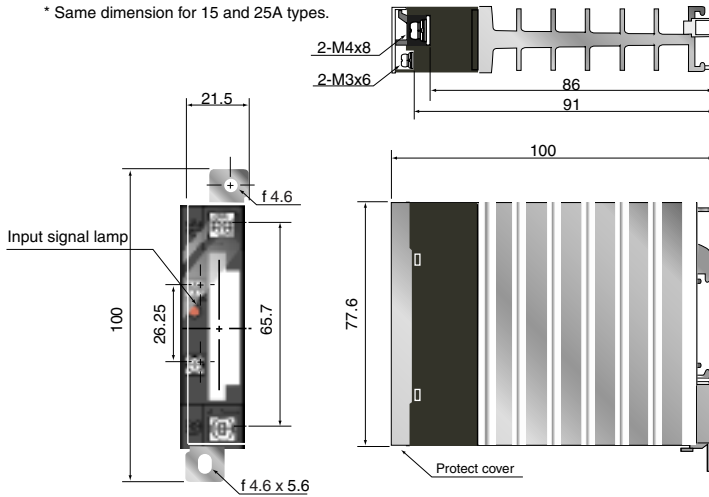
External Wiring

SSN-15F/SSN-25F

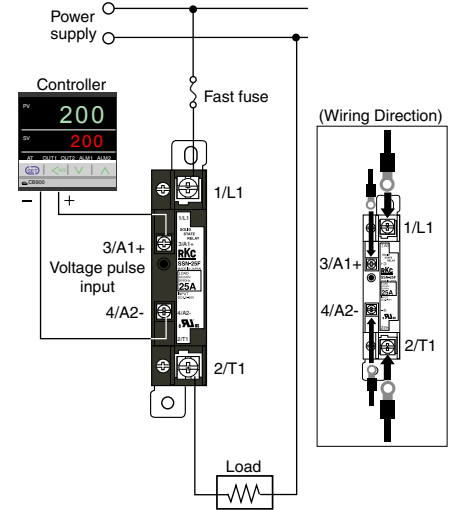
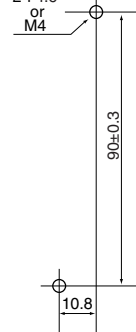
15A

25A

* Same dimension for 15 and 25A types.



Screw mounting dimensions



SSJ SERIES

Screw Mount SSR



External Dimensions

(Unit:mm)

External Wiring

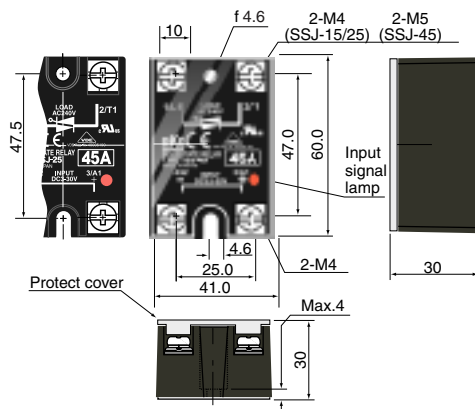
SSJ-15/SSJ-25/SSJ-45

15A

25A

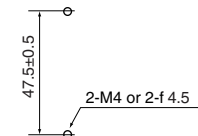
45A

* Same dimension for 15, 25 and 45A types.



Screw mounting dimensions

* Without fin

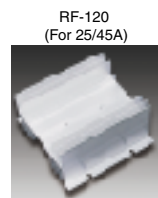
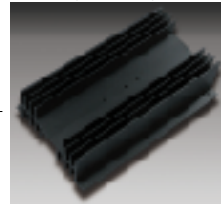


Heatsink mounting dimension

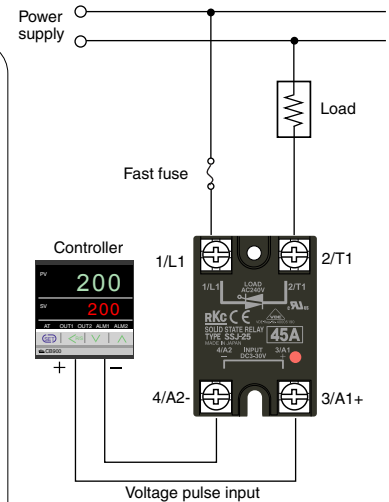
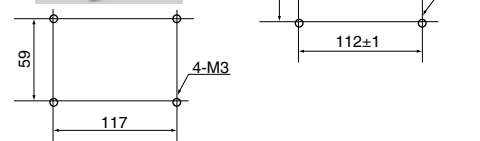
RF-060
(For 15A)



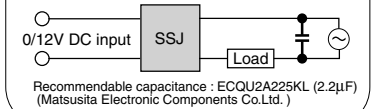
RF-200
(For 25/45A)



RF-120
(For 25/45A)



* Conforming to EN55011 (noise terminal voltage) with a capacitor connected as shown below.



- Before operating this product, read the instruction manual carefully to avoid incorrect operation.
- This product is intended for use with industrial machines, test and measuring equipment. It is not designed for use with medical equipment.
- If it is possible that an accident may occur as a result of the failure of the product or some other abnormality, an appropriate independent protection device must be installed.

- When installing this product, avoid the following:
 - Direct exposure to sunlight.
 - Direct contact with water.
 - Corrosive environments.
 - Hazardous areas containing explosive or flammable gases.
 - Vibration or shock.
 - Areas subject to electrical noise caused by inductive interference, static electricity or magnetic fields.

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