

Solid State Relays for Heaters

G3PJ



- Top-class slim design
- Better temperature characteristics and reinforced insulation
- Push-in plus technology for easy wiring

Strong and slim alternatives for control panels

Easier design, wiring and space reduction due to the new width: only 22.5 mm.

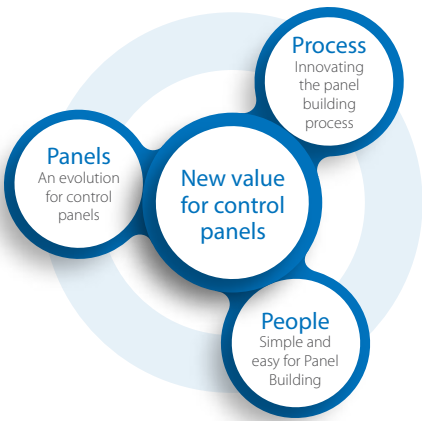
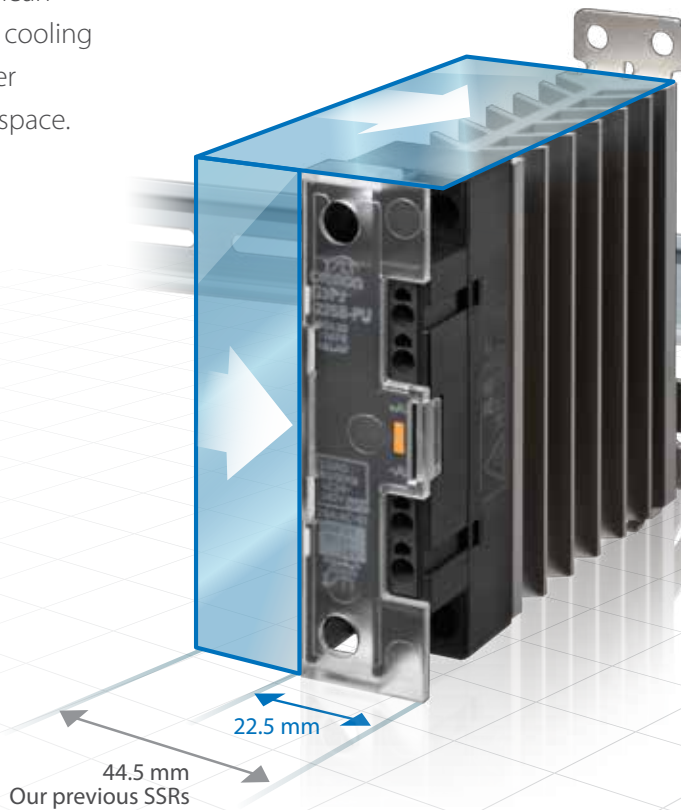
Close-together mounting even with this top-class slim design

Size reductions in Solid State Relays mean you can downsize control panels and cooling equipment. In addition, close-together mounting helps you save even more space.

Slimmer by approx. **50%***

Carrying current of 25 A at ambient temperature of 40°C (with close mounting of three SSRs)

* Compared with our previous models



New value for control panels

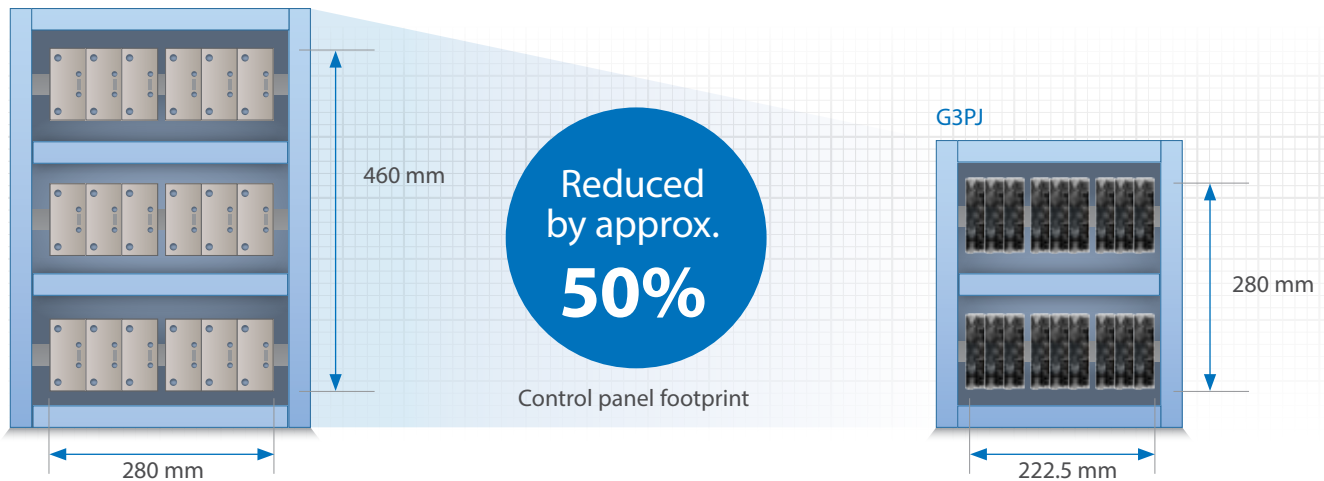
Control Panels: The Heart of Manufacturing Sites. Evolution in control panels results in large evolution in production facilities. And if control panel design, control panel manufacturing processes, and human interaction with them are innovated, control panel manufacturing becomes simpler and takes a leap forward. We will continue to achieve a control panel evolution and process innovation through many undertakings starting with the shared Value Design for Panel concept for the specifications of products used in control panels.



Our shared Value Design for Panel (herein after referred to as "Value Design") concept for the specifications of products used in control panels will create new value in our customer's control panels. Combining multiple products that share the Value Design concept will further increase the value provided to control panels.

Control panels that use many SSRs can be greatly downsized

Previous Omron SSRs

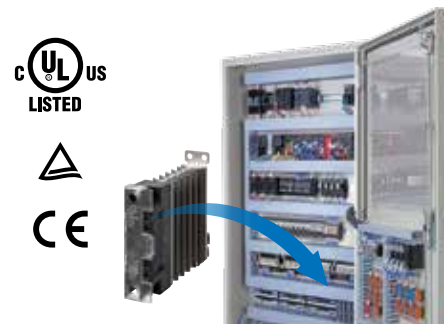


Example: Installation of 18 SSRs configured for three-phase heaters (6 channels)

Better temperature characteristics and reinforced insulation for Safety Standard Compliance

UL-listed components, so you can reduce the time required for the UL application process.

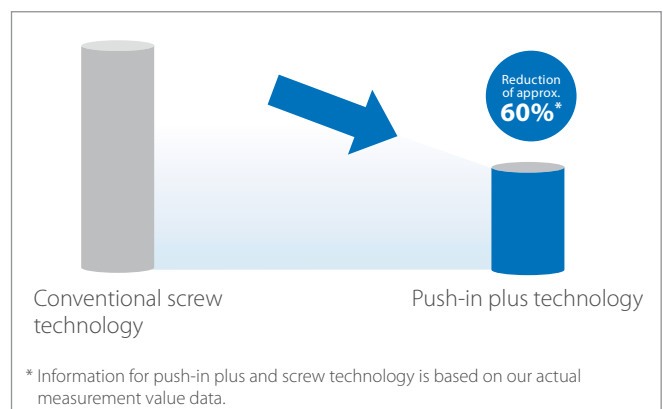
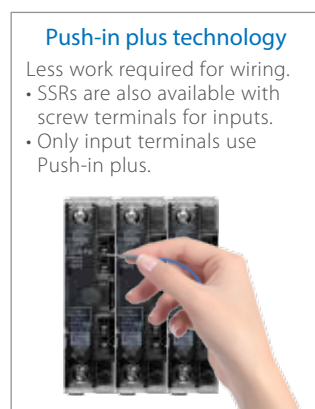
- You can use new components or upgraded components at any time.
- You can procure the components even when an urgent need arises for adjustments or problem-solving.



Fast wiring via Push-in plus technology

Just insert the wires – no tools required.

Do all your wiring in less than half the time previously needed with screw technology.



Solid State Relays for Heaters

Product lineup

Model	Input voltage	Rated load voltage	Rated load current (ambient temperature of 40°C)		SCCR (UL 508)	Dielectric strength	Input terminal form*
			Close mounting (three SSRs)	Separate mounting			
G3PJ-215B-PU	Input terminal form*	24 to 240 VAC	15 A	18 A	10 kA	2.5 kV	Push-in plus technology
G3PJ-225B-PU			25 A	27 A			
G3PJ-515B-PU		100 to 480 VAC	15 A	23 A		4.0 kV	
G3PJ-525B-PU			25 A	27 A			
G3PJ-215B		24 to 240 VAC	15 A	18 A		2.5 kV	Srew technology
G3PJ-225B			25 A	27 A			
G3PJ-515B		100 to 480 VAC	15 A	23 A		4.0 kV	
G3PJ-525B			25 A	27 A			

*M4 screws are used for the output terminals.

Would you like to know more?

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