New Value For Control Panels

OMRON

Solid State Relays for Heaters G3PJ



- Top-class slim design
- Better temperature characteristics and reinforced insulation for safety standard compliance
- Push-In Plus terminal blocks for easy wiring

Providing Strong, Slim Alternatives for Control Panels

Easier Designing and Wiring While Maintaining the Previous 22.5-mm Width to Help Save Space

Close Mounting Even with this Top-class Slim Design

Size reductions in Solid State Relays mean you can downsize control panels and cooling equipment. And close mounting helps you save even more space.



Control Panels That Use Many SSRs Can Be Greatly Downsized

Previous OMRON SSRs



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

Note: A reduction of approx. 50% is achieved when comparing a system of three closely mounted OMRON G3PJ units and a system of three closely mounted conventional OMRON G3PE-245B (or G3PE-545B) units, with both systems carrying a current of 25 A at an ambient temperature of 40°C.

211

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.

- Using new components or upgraded components is easy.
- You can procure the components even when an urgent need arises for adjustments or problem-solving.

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Push-In Plus Terminal Blocks for Easy Wiring

Just Insert Wires: No Tools Required

Now you can use Push-In Plus terminals to reduce the time and work involved in wiring.

Double Wiring

Push-In Plus Terminal Bl

Easy crossover wiring for three-phase heaters.



Less work required for wiring. *SSRs are also available with screw terminals for inputs.

*Only input terminals use Push-In Plus terminal blocks.





Conventional screw terminal blocks OVIKON Push-in Plus terminal block *Information for Push-In Plus and screw terminal blocks is based on OMRON's actual measurement value data.

Product Lineup

	Model	Input voltage	Rated load voltage	Rated load current (ambient temperature of 40°C)		Surge current	SCCR(UL 508)	Dielectric	Input terminal
	Model			Close mounting (three SSRs)	Separate mounting	resistivity (l ² t)	SCCR(UL 508)	strength	form*
Panel	G3PJ-215B-PU	- 12 to 24 VDC	24 to 240 VAC	15 A	18 A	260A ² s	5 kA	2.5 kV	Push-In Plus terminal block
	G3PJ-225B-PU			25 A	27 A	1,260A ² s			
	G3PJ-515B-PU		100 to 480 VAC	15 A	23 A	1,350A ² s	10 kA	4.0 kV	
	G3PJ-525B-PU			25 A	27 A	6,600A ² s			
	G3PJ-215B		24 to 240 VAC	15 A	18 A	260A ² s	5 kA	2.5 kV	Screw terminals
	G3PJ-225B			25 A	27 A	1,260A ² s			
	G3PJ-515B		100 to 480 VAC	15 A	23 A	1,350A ² s	10 kA	4.0 kV	
	G3PJ-525B			25 A	27 A	6,600A ² s			

*M4 screws are used for the output terminals.

Refer to the G3PJ Solid State Relays for Heaters Datasheet (Cat. No. J210) for details.



Before you place an order, please read and understand "Agreement for Using the Product" available on Omron's latest "Best control devices Omron", "General Brochure" or Omron's website.

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