■ Accessories (Order Separately)

One-touch Mounting Plates

Model
R99-12 FOR G3NA

Mounting Bracket

Model	Applicable SSR
R99-11	G3NA-240B, G3NA-440B(-2)

Heat Sinks

Slim Models Enabling DIN-track Mounting

Model	Applicable SSR
Y92B-N50	G3NA-205B, G3NA-210B, G3NA-D210B, G3NA-410B, G3NA-210T(L)
Y92B-N100	G3NA-220B, G3NA-420B, G3NA-220T(L)
Y92B-N150	G3NA-240B, G3NA-440B(-2)
Y92B-P250	G3NA-450B(-2)
Y92B-P250NF (See note.)	G3NA-275B-UTU(-2), G3NA-290B-UTU(-2), G3NA-475B-UTU(-2), G3NA-490B-UTU(-2)

Note: The Y92B-P250NF is scheduled for release on May 1, 2004.

Low-cost Models

Model	Applicable SSR
Y92B-A100	G3NA-205B, G3NA-210B, G3NA-D210B, G3NA-220B, G3NA-410B, G3NA-420B
Y92B-A150N	G3NA-240B(-2), G3NA-440B(-2)
Y92B-A250	G3NA-440B(-2)

Specifications

■ Ratings

Input (at an Ambient Temperature of 25°C)

Model	Rated voltage	Operating voltage	Impedance (See note 1.)	Voltage level	
				Must operate voltage	Must release voltage
G3NA-2□□B	5 to 24 VDC	4 to 32 VDC	7 mA max. (See note 2.)	4 VDC max.	1 VDC min.
	100 to 120 VAC	75 to 132 VAC	36 kΩ±20% (See note 4.)	75 VAC max. (See note 3.)	20 VAC min. (See note 3.)
	200 to 240 VAC	150 to 264 VAC	72 kΩ±20%	150 VAC max. (See note 3.)	40 VAC min. (See note 3.) (See note 5.)
G3NA-4□□B **G3NA-D210B**	5 to 24 VDC	4 to 32 VDC	5 mA max. (See note 2.)	4 VDC max.	1 VDC min.
	100 to 240 VAC	75 to 264 VAC	72 kΩ±20%	75 VAC max.	20 VAC min.
G3NA-275B-UTU(-2) **G3NA-290B-UTU(-2)**	5 to 24 VDC	4 to 32 VDC	15 mA max.	4 VDC max.	1 VDC min.
	100 to 240 VAC	75 to 264 VAC	72 kΩ±20%	75 VAC max.	20 VAC min.
G3NA-475B-UTU(-2) **G3NA-490B-UTU(-2)**	5 to 24 VDC	4 to 32 VDC	7 mA max.	4 VDC max.	1 VDC min.
	100 to 240 VAC	75 to 264 VAC	72 kΩ±20%	75 VAC max.	20 VAC min.

Note: 1. The input impedance is measured at the maximum value of the rated supply voltage (for example, with the model rated at 100 to 120 VAC, the input impedance is measured at 120 VAC).

2. With constant current input circuit system. The impedance for the G3NA-2□□B-UTU is 15 mA max.

3. Refer to *Temperature Characteristics (for Must Operate Voltage and Must Release Voltage)* in *Engineering Data* on page 7 for further details.

4. The G3NA-240B(-UTU) is 72kΩ±20%.

5. The G3NA-240B(-UTU) is 20 VAC min.

Output

Model	Rated load voltage	Load voltage range	Load current (See note 1.)		Inrush current	V_{DRM}, V_{CEO} (reference value)
			With heat sink (See note 2.)	Without heat sink		
G3NA-205B	24 to 240 VAC	19 to 264 VAC	0.1 to 5 A (at 40°C)	0.1 to 3 A (at 40°C)	60 A (60 Hz, 1 cycle)	600 V (V_{DRM})
G3NA-210B			0.1 to 10 A (at 40°C)	0.1 to 4 A (at 40°C)	150 A (60 Hz, 1 cycle)	
G3NA-220B			0.1 to 20 A (at 40°C)	0.1 to 4 A (at 40°C)	220 A (60 Hz, 1 cycle)	
G3NA-240B			0.1 to 40 A (at 40°C)	0.1 to 6 A (at 40°C)	440 A (60 Hz, 1 cycle)	
G3NA-410B	200 to 480 VAC	180 to 528 VAC	0.2 to 10 A (at 40°C)	0.2 to 4 A (at 40°C)	150 A (60 Hz, 1 cycle)	1,200 V (V_{DRM})
G3NA-420B			0.2 to 20 A (at 40°C)	0.2 to 4 A (at 40°C)	220 A (60 Hz, 1 cycle)	
G3NA-440B(-2)			0.2 to 40 A (at 40°C)	0.2 to 6 A (at 40°C)	440 A (60 Hz, 1 cycle)	
G3NA-D210B	5 to 200 VDC	4 to 220 VDC	0.1 to 10 A (at 40°C)	0.1 to 4 A (at 40°C)	20 A (10 ms)	400 V (V_{CEO})
G3NA-275B-UTU(-2)	24 to 240 VAC	19 to 264 VAC	1 to 75 A (at 40°C)	1 to 7 A (at 40°C)	800 A (60 Hz, 1 cycle)	600 V (V_{DRM})
G3NA-290B-UTU(-2)			1 to 90 A (at 40°C)	1 to 7 A (at 40°C)	1,000 A (60 Hz, 1 cycle)	
G3NA-475B-UTU(-2)	200 to 480 VAC	180 to 528 VAC	1 to 75 A (at 40°C)	1 to 7 A (at 40°C)	800 A (60 Hz, 1 cycle)	1,200 V (V_{DRM})
G3NA-490B-UTU(-2)			1 to 90 A (at 40°C)	1 to 7 A (at 40°C)	1,000 A (60 Hz, 1 cycle)	

Note: 1. The load current varies depending on the ambient temperature. Refer to *Load Current vs. Ambient Temperature* under *Engineering Data* on page 6.

2. When an OMRON Heat Sink (refer to *Options*) or a heat sink of the specified size is used.