


Discontinuation Notice of Solid State Relays G3NA (C) series. (for China and Asia pacific area only)

Product Discontinuation

Solid State Relays

 Model G3NA-205B (C)
Model G3NA-210B (C)
Model G3NA-220B (C)
Model G3NA-225B (C)



Recommended Replacement

Solid State Relays

Model G3NB-205B-1
Model G3NB-210B-1
Model G3NB-220B-1
Model G3NB-225B-1

[Discontinuation date]

The end of March, 2014

[Caution on recommended replacement]

OMRON have recommended replacement from G3NA (C) series to G3NB series released April, 2013.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charact-eristics	Operation ratings	Operation methods
G3NB-1 series	**	**	**	**	*	**	**

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

For OEZ-ML			
Product discontinuation Model G3NA (C)		Recommended replacement Model G3NB-1	
Product Code	Model	Product Code	Model
G3NA4100G	G3NA-205B DC5-24 (C) BY OMZ/C	G3NB3002F	G3NB-205B-1 DC5-24 BY OMZ/C
G3NA4101E	G3NA-210B DC5-24 (C) BY OMZ/C	G3NB3003D	G3NB-210B-1 DC5-24 BY OMZ/C
G3NA4102C	G3NA-220B DC5-24 (C) BY OMZ/C	G3NB3004B	G3NB-220B-1 DC5-24 BY OMZ/C
G3NA4103A	G3NA-225B DC5-24 (C) BY OMZ/C	G3NB3005M	G3NB-225B-1 DC5-24 BY OMZ/C

For OEZ-TW, OEP			
Product discontinuation Model G3NA (C)		Recommended replacement Model G3NB-1	
Product Code	Model	Product Code	Model
G3NA4000M	G3NA-205B DC5-24 (C) BY OMZ	G3NB4002A	G3NB-205B-1 DC5-24 BY OMZ
G3NA4001R	G3NA-210B DC5-24 (C) BY OMZ	G3NB4003M	G3NB-210B-1 DC5-24 BY OMZ
G3NA4002G	G3NA-220B DC5-24 (C) BY OMZ	G3NB4004H	G3NB-220B-1 DC5-24 BY OMZ
G3NA4003E	G3NA-225B DC5-24 (C) BY OMZ	G3NB4005F	G3NB-225B-1 DC5-24 BY OMZ

[Body color]

Body colors are fully compatible.

[Wire connection]

Wire connections are fully compatible.

[Operation methods]

Operation methods are fully compatible.

[Dimensions]

Dimensions are almost compatible.

<p align="center">Product discontinuation Model G3NA (C)</p>	<p align="center">Recommendable replacement Model G3NB-1</p>

[Characteristics]

Characteristics are almost compatible.

<p align="center">Item</p>	<p align="center">Product discontinuation Model G3NA (C)</p>	<p align="center">Recommendable replacement G3NB-1</p>
<p>Operate time</p>	<p>1/2 of load power source cycle + 1 ms max.</p>	<p>1/2 of load power source cycle + 1 ms max.</p>
<p>Release time</p>	<p>1/2 of load power source cycle + 1 ms max.</p>	<p>1/2 of load power source cycle + 1 ms max.</p>
<p>Output ON voltage drop</p>	<p>1.6 V max.</p>	<p>1.6 V max.</p>
<p>Leakage current</p>	<p>5 mA max. (at 100 VAC) 10 mA max. (at 200 VAC)</p>	<p>5 mA max. (at 100 VAC) 10 mA max. (at 200 VAC)</p>
<p>Insulation resistance</p>	<p>100 M Ohms min. (at 500 VDC)</p>	<p>100 M Ohms min. (at 500 VDC)</p>
<p>Dielectric strength</p>	<p>2500 VAC, 50/60 Hz for 1 min between input and output</p>	<p>2500 VAC, 50/60 Hz for 1 min between input and output</p>
<p>Vibration resistance</p>	<p>Malfunction: 10 to 55 to 10 Hz, 0.75 mm single amplitude</p>	<p>Malfunction: 10 to 55 to 10 Hz, 0.75 mm single amplitude</p>
<p>Ambient temperature</p>	<p>Operating: -30 to 80°C * Storage: -30 to 100°C * * with no icing or condensation</p>	<p>Operating: -30 to 80°C * Storage: -30 to 100°C * * with no icing or condensation</p>
<p>Ambient humidity</p>	<p>Operating: 45 to 85%</p>	<p>Operating: 45 to 85%</p>
<p>Certified standard</p>	<p>CSA C22.2 No14 UL 508</p>	<p>IEC 60947-4-3 CSA C22.2 No.14 UL 508</p>

[Operation ratings – Input]

Operation ratings are fully compatible.

Item	Product discontinuation Model G3NA (C)	Recommendable replacement G3NB-1
Operating voltage	4 to 32 VDC	4 to 32 VDC
Must operate voltage	4 VDC max.	4 VDC max.
Must release voltage	1 VDC min.	1 VDC min.
Input current at rated voltage	7 mA max.	7 mA max.

[Operation ratings – Output]

Operation ratings are almost compatible.

Item	Product discontinuation Model G3NA (C)	Recommendable replacement G3NB-1
Rated Load Voltage	24 to 240 VAC	24 to 220 VAC
Load Voltage Range	19 to 264 VAC	19 to 286 VAC
Load Current (with heat sink)	0.1 to 5 A (at 40°C)	0.1 to 5 A (at 40°C)
	0.1 to 10 A (at 40°C)	0.1 to 10 A (at 40°C)
	0.1 to 20 A (at 40°C).	0.1 to 20 A (at 40°C)
	0.1 to 25 A (at 40°C).	0.1 to 25 A (at 40°C)
Load Current (without heat sink)	0.1 to 3 A (at 40°C)	0.1 to 3 A (at 40°C)
	0.1 to 4 A (at 40°C)	0.1 to 4 A (at 40°C)
	0.1 to 4 A (at 40°C).	0.1 to 4 A (at 40°C)
	0.1 to 4 A (at 40°C).	0.1 to 4 A (at 40°C)
Inrush Current	60 A (60 Hz, 1 cycle)	60 A (60 Hz, 1 cycle)
	150 A (60 Hz, 1 cycle)	150 A (60 Hz, 1 cycle)
	220 A (60 Hz, 1 cycle)	220 A (60 Hz, 1 cycle)
	220 A (60 Hz, 1 cycle)	220 A (60 Hz, 1 cycle)
V_{DRM} (reference value)	600 V	600 V

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.