OMRON ELECTRONIC COMPONENTS LLC
ENGINEERINGUPDATE

PRODUCTCHANGE NOTIFICATION

NO:	**REL - 247**	**PRODUCT:**	**G2RG-2A-X – PCB Power Relay**
DATE:	**June 2023**	**TYPE:**	**MODIFICATION – Additional Ratings**

G2RG-2A-X PCB Power Relay - Additional Ratings

In order to provide for flexible application of the G2RG-2A-X relay, Omron will add ratings that apply to the Single Pole connection configuration and add a 10 A rated carry current. The following will fully explain the details of the changes. Should you have any additional questions, however, please communicate with the Relay Product Manager, Zac Hendrix.

Effective Date:
September, 2023

Details of the Changes:

Before the change

No single pole connection ratings
No 10 A carry current ratings

■Ratings
●Contacts

Item / Connection method	2 poles series wiring
Contact type	Single
Contact material	Ag—alloy(Cd free)
Rated load (resistive load)	10 A at 500 VDC
Rated carry current	8 A
Max. switching voltage	500 VDC
Max. switching current	10 A

■Characteristics

Electrical*3 (When resistive load and 2 poles series	2 poles series wiring: 10,000 operations at 500 VDC 10 A 30,000 operations at 500 VDC 1 A (switching frequency 1 second ON–9 second OFF 85℃)

■Approval Standard
UL Recognized:

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G2RG-2A-X	DPST-NO (2a)	12、24 VDC	10 A, 500 VDC (Resistive) 85℃	10,000
			1A, 500 VDC (Resistive) 85℃	30,000

EN/IEC, TUV Certificated:

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G2RG-2A-X	DPST-NO (2a)	12、24 VDC	10 A, 500 VDC (Resistive) 85℃	10,000
			1A, 500 VDC (Resistive) 85℃	30,000

After the change

Added single pole connection ratings
Added 10 A carry current ratings

■Ratings
●Contacts

Item / Connection method	1 pole wiring	2 poles series wiring
Contact type	Single	
Contact material	Ag—alloy(Cd free)	
Rated load (resistive load)	10 A at 300 VDC	10 A at 500 VDC
Rated carry current	8 A(85℃)、10 A(65℃)	
Max. switching voltage	300 VDC	500 VDC
Max. switching current	10 A	

■Characteristics

Electrical*3 (Resistive)	1 pole wiring: 10,000 operations at 300 VDC 10 A 2 poles series wiring: 10,000 operations at 500 VDC 10 A 30,000 operations at 500 VDC 1 A (switching frequency 1 second ON–9 second OFF 85℃)

■Approval Standard
UL Recognized:

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G2RG-2A-X	DPST-NO (2a), 1 pole wiring	12、24 VDC	10A, 300 VDC (Resistive) 85℃	10,000
	DPST-NO (2a), 2 poles series wiring		10 A, 500 VDC (Resistive) 85℃	10,000
			1A, 500 VDC (Resistive) 85℃	30,000

EN/IEC, TUV Certificated:

Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G2RG-2A-X	DPST-NO (2a), 1 pole wiring	12、24 VDC	10A, 300 VDC (Resistive) 85℃	10,000
	DPST-NO (2a), 2 poles series wiring		10 A, 500 VDC (Resistive) 85℃	10,000
			1A, 500 VDC (Resistive) 85℃	30,000

Note: There will be no changes to the structure, materials of the product, or parts due to this change.

Details of Applicable Models:

Models
G2RG-2A-X DC12 BY OMI
G2RG-2A-X DC24 BY OMI

* Sales teams should communicate this modification with their OEM's and CEM's.
For further technical support and any questions, please communicate with Product Marketing.

Specifications 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.
This PCN is intended for use in the Americas
Last time buy dates are subject to change based on availability