

Modification Notice of adding contact ratings and UL ratings
for Power Relay Type G9KB.

<< REQUEST >>

[Target Products]

· G9KB series

[Effective Date]

Effective as of our production in August 2024.

[Reason for change]

Others (Adding contact ratings and UL ratings)

[Changes]



Before the change		After the change		
■ Data sheet Ratings <input type="checkbox"/> Contacts		■ Data sheet Ratings <input type="checkbox"/> Contacts		
Item	Standard	Item	Standard	
Rated load (Resistive load)	50 A at 600 VDC/1 A at 600 VDC	Rated load (Resistive load)	50 A at 600 VDC/1 A at 600 VDC/ 25 A at 500 VDC/10 A at 600 VDC/ 600 VDC making 1 A, carrying 35A, breaking 1 A	
Characteristics		Characteristics		
Item	Classification	Standards		
Durability	Electrical(Resistive)	(1) 600 VDC 50 A 2,000 operations min. (2) 600 VDC 1 A 100,000 operations min. (Switching frequency: 1 second ON - 9 seconds OFF at 85°C and 25% to 75% RH)	(1) 600 VDC 50 A 2,000 operations min. (2) 600 VDC 1 A 100,000 operations min. (3) 500 VDC 25 A 12,000 operations min. (4) 600 VDC 10 A 50,000 operations min. (5) 600 VDC making 1 A, carrying 35 A, breaking 1 A 50,000 operations min. (Switching frequency: 1 second ON - 9 seconds OFF at 85°C and 25% to 75% RH)	
■ Safety standard ratings UL/C-UL Certified: (File No. E41515)		■ Safety standard ratings UL/C-UL Certified: (File No. E41515)		
Model	Contact form	Coil ratings	Contact ratings	Number of test operations
G9KB-1A	SPST-NO (1a)	12, 24V DC*	600V DC 40A (Resistive) 85°C	6,000
			600V DC 50A (Resistive) 85°C	2,000
G9KB-1A	SPST-NO (1a)	12, 24V DC*	600V DC 40A (Resistive) 85°C	6,000
			600V DC 50A (Resistive) 85°C	2,000
			400V DC 46A (Resistive) 85°C	6,000
			600V DC 10A (Resistive) 85°C	50,000
			500V DC 25A (Resistive) 85°C	12,000
600VDC making 1A, carrying 35A, breaking 1A at 85°C	50,000			
Note: It will be no changes to the structure or materials of products or parts due to this design change.				

[Details of applicable model]

Models / Specification
G9KB-1A DC12 BY OMZ
G9KB-1A DC12 BY OMZ/C
G9KB-1A DC24 BY OMZ
G9KB-1A DC24 BY OMZ/C

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.