Modification Notice of Change in Maximum Ambient Operating Temperature Specification for Enhanced Usability.

[Target Products]

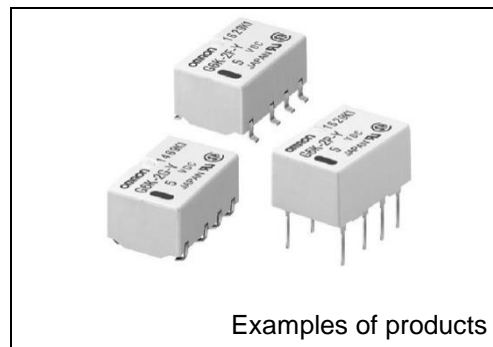・PCB Relays   G6K series

< Refer to the " **[Details of applicable model]** " . >

[Effective Date]

Effective as of our production in January, 2024.
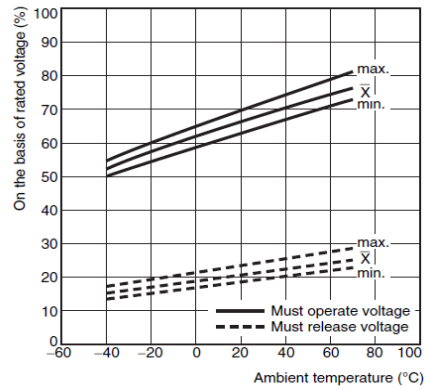
[Reason for change]

To improve quality

Examples of products

[Changes]

Before the change	After the change
Ambient operating temperature -40 to 70°C (with no icing or condensation)	**Ambient operating temperature** -40 to 85°C (with no icing or condensation) The maximum ambient operating temperature specification will be changed to 85°C by derating the rated carry current of contact above 70°C. There are no changes to the product itself, such as structure or materials, associated with this modification. Due to changes in the operating ambient temperature specifications, there have been revisions to the following reference data listed in the data sheet.
●**Ambient Temperature vs. Maximum Coil Voltage** 	●**Ambient Temperature vs. Maximum Coil Voltage**

Before the change	After the change
●Ambient Temperature vs. Carry Current	●Ambient Temperature vs. Carry Current

Carry current (A) — Ambient temperature (°C)
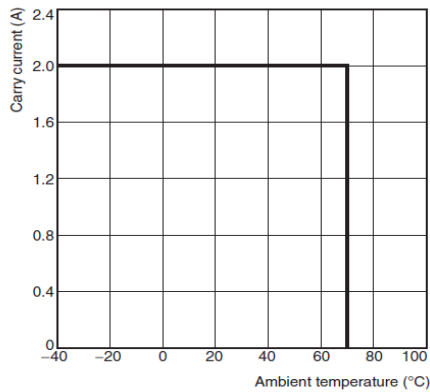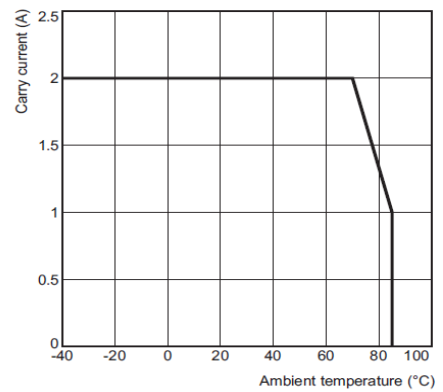
●Ambient Temperature vs. Must Operate or Must Release Voltage
G6K-2G (F/P), G6K-2G (F/P)-Y

On the basis of rated voltage (%) — Ambient temperature (°C)

max.
X̄
min.

Max. estimated value

Must operate voltage
Must release voltage
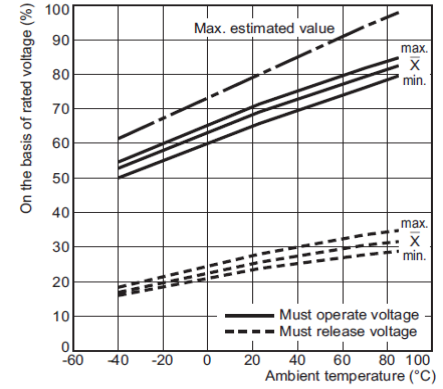
●Ambient Temperature vs. Must Set or Must Reset Voltage
G6KU-2G (F/P)-Y

On the basis of rated voltage (%) — Ambient temperature (°C)

Max. estimated value

max.
X̄
min.
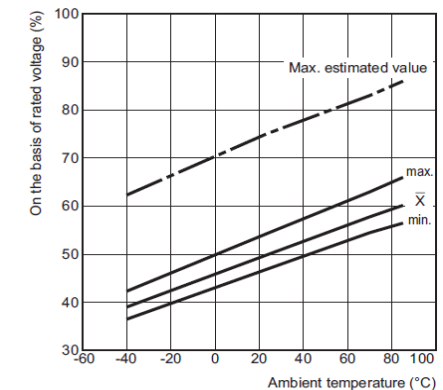
[Details of applicable model]

Models / Specification	Models / Specification
G6K-2F DC12	G6K-2F-Y-TR DC5
G6K-2F DC24	G6K-2F-Y-TR DC5 BY OMZ
G6K-2F DC3	G6K-2F-Y-TR DC5 BY OMZ/C
G6K-2F DC4.5	G6K-2F-Y-TR DC6
G6K-2F DC5	G6K-2F-Y-TR DC6 BY OMZ
G6K-2F DC6	G6K-2F-Y-TR DC9
G6K-2F DC9	G6K-2F-Y-TR DC9 BY OMZ
G6K-2F-TR DC12	G6K-2F-Y-TR DC9 BY OMZ/C
G6K-2F-TR DC24	G6K-2G DC12
G6K-2F-TR DC3	G6K-2G DC24
G6K-2F-TR DC4.5	G6K-2G DC3
G6K-2F-TR DC5	G6K-2G DC4.5
G6K-2F-TR DC6	G6K-2G DC5
G6K-2F-TR DC9	G6K-2G DC6
G6K-2F-Y DC12	G6K-2G DC9
G6K-2F-Y DC12 BY OMZ	G6K-2G-TR DC12
G6K-2F-Y DC12 BY OMZ/C	G6K-2G-TR DC24
G6K-2F-Y DC2 BY OMZ	G6K-2G-TR DC3
G6K-2F-Y DC24	G6K-2G-TR DC4.5
G6K-2F-Y DC24 BY OMZ	G6K-2G-TR DC5
G6K-2F-Y DC24 BY OMZ/C	G6K-2G-TR DC6
G6K-2F-Y DC3	G6K-2G-TR DC9
G6K-2F-Y DC3 BY OMZ	G6K-2G-TR2 DC5
G6K-2F-Y DC3 BY OMZ/C	G6K-2G-Y DC12
G6K-2F-Y DC4.5	G6K-2G-Y DC12 BY OMZ
G6K-2F-Y DC4.5 BY OMZ	G6K-2G-Y DC12 BY OMZ/C
G6K-2F-Y DC4.5 BY OMZ/C	G6K-2G-Y DC2 BY OMZ
G6K-2F-Y DC5	G6K-2G-Y DC24
G6K-2F-Y DC5 BY OMZ	G6K-2G-Y DC24 BY OMZ
G6K-2F-Y DC5 BY OMZ/C	G6K-2G-Y DC24 BY OMZ/C
G6K-2F-Y DC6	G6K-2G-Y DC3
G6K-2F-Y DC6 BY OMZ	G6K-2G-Y DC3 BY OMZ
G6K-2F-Y DC9	G6K-2G-Y DC3 BY OMZ/C
G6K-2F-Y DC9 BY OMZ	G6K-2G-Y DC4.5
G6K-2F-Y DC9 BY OMZ/C	G6K-2G-Y DC4.5 BY OMZ
G6K-2F-Y-TR DC12	G6K-2G-Y DC4.5 BY OMZ/C
G6K-2F-Y-TR DC12 BY OMZ	G6K-2G-Y DC5
G6K-2F-Y-TR DC12 BY OMZ/C	G6K-2G-Y DC5 BY OMZ
G6K-2F-Y-TR DC2 BY OMZ	G6K-2G-Y DC5 BY OMZ/C
G6K-2F-Y-TR DC24	G6K-2G-Y DC6
G6K-2F-Y-TR DC24 BY OMZ	G6K-2G-Y DC6 BY OMZ
G6K-2F-Y-TR DC24 BY OMZ/C	G6K-2G-Y DC9
G6K-2F-Y-TR DC3	G6K-2G-Y DC9 BY OMZ
G6K-2F-Y-TR DC3 BY OMZ	G6K-2G-Y DC9 BY OMZ/C
G6K-2F-Y-TR DC3 BY OMZ/C	G6K-2G-Y-TR DC12
G6K-2F-Y-TR DC4.5	G6K-2G-Y-TR DC12 BY OMZ
G6K-2F-Y-TR DC4.5 BY OMZ	G6K-2G-Y-TR DC12 BY OMZ/C
G6K-2F-Y-TR DC4.5 BY OMZ/C	G6K-2G-Y-TR DC2 BY OMZ

Models / Specification
G6K-2G-Y-TR DC24
G6K-2G-Y-TR DC24 BY OMZ
G6K-2G-Y-TR DC3
G6K-2G-Y-TR DC3 BY OMZ
G6K-2G-Y-TR DC3 BY OMZ/C
G6K-2G-Y-TR DC4.5
G6K-2G-Y-TR DC4.5 BY OMZ
G6K-2G-Y-TR DC4.5 BY OMZ/C
G6K-2G-Y-TR DC5
G6K-2G-Y-TR DC5 BY OMZ
G6K-2G-Y-TR DC5 BY OMZ/C
G6K-2G-Y-TR DC6
G6K-2G-Y-TR DC6 BY OMZ
G6K-2G-Y-TR DC9
G6K-2G-Y-TR DC9 BY OMZ
G6K-2G-Y-TR DC9 BY OMZ/C
G6K-2P DC12
G6K-2P DC24
G6K-2P DC3
G6K-2P DC4.5
G6K-2P DC5
G6K-2P DC6
G6K-2P DC9
G6K-2P-Y DC12
G6K-2P-Y DC12 BY OMZ
G6K-2P-Y DC12 BY OMZ/C
G6K-2P-Y DC2 BY OMZ
G6K-2P-Y DC24
G6K-2P-Y DC24 BY OMZ
G6K-2P-Y DC24 BY OMZ/C
G6K-2P-Y DC3
G6K-2P-Y DC3 BY OMZ
G6K-2P-Y DC3 BY OMZ/C
G6K-2P-Y DC4.5
G6K-2P-Y DC4.5 BY OMZ
G6K-2P-Y DC4.5 BY OMZ/C
G6K-2P-Y DC5
G6K-2P-Y DC5 BY OMZ
G6K-2P-Y DC5 BY OMZ/C
G6K-2P-Y DC6
G6K-2P-Y DC6 BY OMZ
G6K-2P-Y DC9
G6K-2P-Y DC9 BY OMZ
G6KU-2F-Y DC12
G6KU-2F-Y DC12 BY OMZ
G6KU-2F-Y DC12 BY OMZ/C
G6KU-2F-Y DC2 BY OMZ
G6KU-2F-Y DC2.4 BY OMZ
G6KU-2F-Y DC24

Models / Specification
G6KU-2F-Y DC24 BY OMZ
G6KU-2F-Y DC3
G6KU-2F-Y DC3 BY OMZ
G6KU-2F-Y DC3 BY OMZ/C
G6KU-2F-Y DC4.5
G6KU-2F-Y DC4.5 BY OMZ
G6KU-2F-Y DC4.5 BY OMZ/C
G6KU-2F-Y DC5
G6KU-2F-Y DC5 BY OMZ
G6KU-2F-Y DC5 BY OMZ/C
G6KU-2F-Y DC6
G6KU-2F-Y DC6 BY OMZ
G6KU-2F-Y DC9
G6KU-2F-Y DC9 BY OMZ
G6KU-2F-Y-TR DC12
G6KU-2F-Y-TR DC12 BY OMZ
G6KU-2F-Y-TR DC12 BY OMZ/C
G6KU-2F-Y-TR DC2 BY OMZ
G6KU-2F-Y-TR DC2.4
G6KU-2F-Y-TR DC2.4 BY OMZ
G6KU-2F-Y-TR DC2.4 BY OMZ/C
G6KU-2F-Y-TR DC24
G6KU-2F-Y-TR DC24 BY OMZ
G6KU-2F-Y-TR DC3
G6KU-2F-Y-TR DC3 BY OMZ
G6KU-2F-Y-TR DC3 BY OMZ/C
G6KU-2F-Y-TR DC4.5
G6KU-2F-Y-TR DC4.5 BY OMZ
G6KU-2F-Y-TR DC4.5 BY OMZ/C
G6KU-2F-Y-TR DC5
G6KU-2F-Y-TR DC5 BY OMZ
G6KU-2F-Y-TR DC5 BY OMZ/C
G6KU-2F-Y-TR DC6
G6KU-2F-Y-TR DC6 BY OMZ
G6KU-2F-Y-TR DC9
G6KU-2F-Y-TR DC9 BY OMZ
G6KU-2G-Y DC12
G6KU-2G-Y DC12 BY OMZ
G6KU-2G-Y DC12 BY OMZ/C
G6KU-2G-Y DC2 BY OMZ
G6KU-2G-Y DC24
G6KU-2G-Y DC24 BY OMZ
G6KU-2G-Y DC3
G6KU-2G-Y DC3 BY OMZ
G6KU-2G-Y DC3 BY OMZ/C
G6KU-2G-Y DC4.5
G6KU-2G-Y DC4.5 BY OMZ
G6KU-2G-Y DC4.5 BY OMZ/C
G6KU-2G-Y DC5

Models / Specification	Models / Specification
G6KU-2G-Y DC5 BY OMZ	G6KU-2G-Y-TR DC9
G6KU-2G-Y DC5 BY OMZ/C	G6KU-2G-Y-TR DC9 BY OMZ
G6KU-2G-Y DC6	G6KU-2G-Y-TR DC9 BY OMZ/C
G6KU-2G-Y DC6 BY OMZ	G6KU-2P-Y DC12
G6KU-2G-Y DC9	G6KU-2P-Y DC12 BY OMZ
G6KU-2G-Y DC9 BY OMZ	G6KU-2P-Y DC12 BY OMZ/C
G6KU-2G-Y DC9 BY OMZ/C	G6KU-2P-Y DC2 BY OMZ
G6KU-2G-Y-TR DC12	G6KU-2P-Y DC24
G6KU-2G-Y-TR DC12 BY OMZ	G6KU-2P-Y DC24 BY OMZ
G6KU-2G-Y-TR DC12 BY OMZ/C	G6KU-2P-Y DC24 BY OMZ/C
G6KU-2G-Y-TR DC2 BY OMZ	G6KU-2P-Y DC3
G6KU-2G-Y-TR DC24	G6KU-2P-Y DC3 BY OMZ
G6KU-2G-Y-TR DC24 BY OMZ	G6KU-2P-Y DC3 BY OMZ/C
G6KU-2G-Y-TR DC3	G6KU-2P-Y DC4.5
G6KU-2G-Y-TR DC3 BY OMZ	G6KU-2P-Y DC4.5 BY OMZ
G6KU-2G-Y-TR DC3 BY OMZ/C	G6KU-2P-Y DC4.5 BY OMZ/C
G6KU-2G-Y-TR DC4.5	G6KU-2P-Y DC5
G6KU-2G-Y-TR DC4.5 BY OMZ	G6KU-2P-Y DC5 BY OMZ
G6KU-2G-Y-TR DC4.5 BY OMZ/C	G6KU-2P-Y DC5 BY OMZ/C
G6KU-2G-Y-TR DC5	G6KU-2P-Y DC6
G6KU-2G-Y-TR DC5 BY OMZ	G6KU-2P-Y DC6 BY OMZ
G6KU-2G-Y-TR DC5 BY OMZ/C	G6KU-2P-Y DC9
G6KU-2G-Y-TR DC6	G6KU-2P-Y DC9 BY OMZ
G6KU-2G-Y-TR DC6 BY OMZ	

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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.