CAT. No. K106-E2-04A-X

Relay may be set accidentally. Be sure to apply a reset signal excessive vibration or shock is imposed, however, the Latching

vice versa. The Latching Relay is reset before shipping. If

otherwise the Latching Relay that has been set may be reset or

imposed on the Latching Relay does not exceed the rated value, devices, such as relays in operation, on the same panel and

Make sure that the vibration or shock that is generated from other

runctional problems. Ineretore, operate, store, or transport the

These films may result in unstable contact, contact problems, or

gases, sulphide or oxide films will form on the contact surfaces.

with high temperature, high humidity, organic gases, or sulphide

If the Relay is stored for a long time in an adverse environment

Protect the Relay from direct sunlight and keep the Relay under

Environmental Conditions During Operation, Storage, and

product under specified environmental conditions.

normal temperature, humidity, and pressure.

Latching Relay Mounting

characteristics are maintained.

Solder: JIS Z3282, H63A

Precautions -

Handling

CORRECT USE

solder will not overflow on the PCB.

Leave the Relay unpacked until mounting it.

Claw Securing Force During Automatic Mounting

Be sure to make a molten solder level adjustment so that the

Soldering time: Approx. 5 s max. (approx. 2 s for the first time and approx. 3 s for the second time if the DWS method is used)

Soldering temperature: Approx. 250°C (260°C if the DWS method

Surface-Mounting Signal Relay - G6K

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The Relay mounted on the PCB may be coated or washed but do deterioration of coil insulation. securing force of each claw to the following so that the Relays the value specified in the catalog. During automatic insertion of Relays, make sure to set the

characteristics such as electrical life and resulting in the the coil will cause a coil temperature increase thus affecting voltage. It must be noted that continuous voltage application to provided that the voltage is less than the maximum allowable exceeding the rated value, however, can be applied to the coil As a rule, the rated voltage must be applied to the coil. A voltage

infrared rays. Be sure to keep the proper distance between

infrared radiation, the solder may not be properly exposed to the

the Relays facing each other and soldering is performed with

If two or more Relays are closely mounted with the long sides of

not apply silicone coating or detergent containing silicone, otherwise the silicone coating or detergent may remain on the

Two or more Relays may be closely mounted with the short sides

Therefore, be sure to use the maximum allowable voltage beyond

Must not cause fire.

of the Relays facing each other.

adjacent Relays as shown below.

PCB Mounting

surface of the Relay.

- Must not cause any harmful effect on people.
- Must not cause damage to other control devices. insulating material.
- Must not cause thermal changes in or deterioration of the
- which include the following:
- maximum allowable voltage also involves important restrictions temperature may result in burning or short-circuiting.) The of coil insulating sheath material. (Exceeding the heat-resisting the coil temperature increase and the heat-resisting temperature

Maximum Allowable Voltage

The maximum allowable voltage of the coil can be obtained from

■ ROHS compliant.

mounting reliability.

Surface-Mounting DPDT Relay

Outside-L surface mounting terminal Inside-L surface mounting terminal

None: Through-hole terminal

K: Double-winding latching Single-winding latching

None: Single-side stable

CES - D- D- NDC Model Number Legend

esaled

Ordering Information -

■ High sealability after IRS.

■ Applicable to IRS.

3. Terminal Shape S: DPDT

2. Contact Form

1. Relay Function

Surface-Mounting Signal Relay - G65

contacts (2,000 VAC), and between contacts ■ High dielectric strength between coil and ■ Space-saving inside-L terminal. ■ Long terminals ideal for soldering and

4.5, 5, 12, 24 VDC

5. Rated Coil Voltage

None: UL/CSA

4. Approved Standards

G6SU-2F

G65U-2G

G65U-2

type is available.

 $(L \times W \times J)$

Be sure since -TR" is not part of the relay model number, it is not marked on the relay case.

G6S-2F

G6S-2G

C-S95

Single-side Stable

Tape packing

Rated coil voltage

J-abistuO

g-apisuj

2. When ordering tape packing, add -TR" to the model number. Example: G65-2F-TR 12 VDC

Note: 1. When ordering, add the rated coil voltage to the model number.

Example: G6S-2F 12 VDC

Surface mounting

Classification

Fully sealed construction for high reliability.

different polarity (2,500 V, 2 10 μs : Bellcore

■ High impulse withstand voltages between coil

and contacts, and between contacts of

■ Bifurcated crossbar contact (Au-clad) and

■ Low power consumption (140 mW).

of different polarity (1,500 VAC).

Through-hole terminal

B17

G6S-2F-Y

G6S-2G-Y

G6S-2-Y

G6SK-2F

G6SK-2G

CPSK-5

Single-winding Double-winding Single-side stable latching latching latching latching latching

■ EN60950 Supplementary Insulation-certified

■ Through-hole terminal is available

mm 4.6 x 3.7 x 31 ts entialinim-a1tlU ■

Mote: 1 The rated current and	coil recistance are measured at a c	%3PC6 Of +10%	
Power consumption	Wm 00s. xorqqA		Wm 0ss. xorqqA
Max. voltage	770% of rated voltage at 23°C		J°SS as egstlov betat o %071
Must release voltage	10% min. of rated voltage		
Must operate voltage	75% max. of rated voltage		
Coil resistance	125 2	720 22	2,504 \alpha
Rated current	Am 01-	Am 7.91	Am 8.9
Rated voltage	2 ADC	15 VDC	54 ADC

2. Operating characteristics are measured at a coil temperature of 23°C.

Surface-Mounting Signal Relay - G6S

3. The maximum voltage is the highest voltage that can be imposed on the relay coil.

■ Contact Ratings

Note: P level: $\lambda_{60} = 0.1 \times 10^{-6}$ /operation. This value was measured at a switching frequen	of 10^{-6} operation. This value was measured at a switching frequency of 120 operations/min and the criterion of	
Failure rate (reference value) 10 µA at 10 mVDC (see note)		
Max. switching power 62.5 VA, 60 W		
Max. switching current		
Max. switching voltage 250 VAC, 220 VDC		
Rated Carry Current 2 A		
Contact material Ag (Au-alloy)		
Rated Load 0.5 A at 125 VAC; 2 A at 30 VDC		
Load (cesp to the load (cesp to the load (cesp to the load to the		

actual operating conditions. Note: It level A60 = 0.1 X 10 'Operation'. This value may vary depending on the operating environment. Always double-check relay suitability under contact resistance is 500... This value may vary depending on the operating environment. Always double-check relay suitability under the contact resistance is 500... This value may vary depending on the operating environment. Always double-check relay suitability under the contact relative to the contact relative

Surface-Mounting Signal Relay - G6S

Specifications —

■ Coil Ratings Single-side Stable Type (G6S-2, G6S-2F, G6S-2G)

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Power consumption	Wm 04f .xorqqA	Wm 00s .xorqqA	
Max. voltage	O°ES is agailov baiari to %00S		170% of rated O°SS at Soltage of 23°C
Must release voltage	10% min. of rated voltage		
Must operate voltage	75% max. of rated voltage		
Coil resistance	142 ত	2 87 t	1,028 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Rated current	Am 0.16	Am 1.8S	Am E.8 Am T.ff
Rated voltage	4.5 VDC	2 ADC	15 ADC 54 ADC

Single-winding Latching Type (G6SU-2, G6SU-2F, G6SU-2G)

Power consum	noitq	Wm 001 .xorqqA	Wm 021 .xorqqA			
Max. voltage		180% of rated voltage at 23				
Must reset volt	968	75% min. of rated voltage				
Must set voltag	əß	75% max. of rated voltage				
(H) (ref. value)	NO enutermA	41.0	81.0	41.1	67.8	
Coil inductance	FTO enutemnA	72.0	98.0	21.2	5.80	
Coil resistance	,	203 22	250 Q	را ,440 ي	3,840 \alpha	
Rated current		Am S.SS	Am 0S	Am £.8	Am £.8	
Rated voltage		4.5 VDC	2 ADC	15 ADC	5¢ ADC	

Double-winding Latching Type (G6SK-2, G6SK-2F, G6SK-2G)

Power c	dwnsuo	ption	Mm 00S .xorqqA			.xorqqA	Wm 008
Max. vol	ltage		170% of rated voltage at 2	140% of voltage s			
Must res	set volta	986	75% min. of rated voltage				
Must ser	t voltage	əl	75% max. of rated voltage				
			MO enutermA	41.0	91.0	79 .0	2.23
(0.10.1	Reset		Armature OFF	280.0	860.0	94.0	1.34
uctance (H) (ref.			MO enutermA	470.0	880.0	14.0	1.23
-bni lioO	19S		Amature OFF	21.0	41.0	09.0	86.1
Coil resi	estance		101 \overline{10}	159 छ	ე 027	1,920 Ω	
Rated co	nrrent		Am 4.44	Am 7.8		Am 3.St	
Rated vo	oltage		4.5 VDC	2 ADC	15 ADC	54 ADC	

Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

3. The maximum voltage is the highest voltage that can be imposed on the relay coil. 2. Operating characteristics are measured at a coil temperature of 23°C.

Mote: 1 The rated current and	coil recistance are measured at a c	%3PC6 Of +10%	
Power consumption	Wm 00s. xorqqA		Wm 0ss. xorqqA
Max. voltage	770% of rated voltage at 23°C		J°SS as egstlov betat o %071
Must release voltage	10% min. of rated voltage		
Must operate voltage	75% max. of rated voltage		
Coil resistance	125 2	720 22	2,504 \alpha
Rated current	Am 01-	Am 7.91	Am 8.9
Rated voltage	2 ADC	15 VDC	54 ADC

2. Operating characteristics are measured at a coil temperature of 23°C.

Surface-Mounting Signal Relay - G6S

3. The maximum voltage is the highest voltage that can be imposed on the relay coil.

■ Contact Ratings

Note: P level: $\lambda_{60} = 0.1 \times 10^{-6}$ /operation. This value was measured at a switching frequen	of 10^{-6} operation. This value was measured at a switching frequency of 120 operations/min and the criterion of	
Failure rate (reference value) 10 µA at 10 mVDC (see note)		
Max. switching power 62.5 VA, 60 W		
Max. switching current		
Max. switching voltage 250 VAC, 220 VDC		
Rated Carry Current 2 A		
Contact material Ag (Au-alloy)		
Rated Load 0.5 A at 125 VAC; 2 A at 30 VDC		
Load (cesp to the load (cesp to the load (cesp to the load to the		

actual operating conditions. Note: It level A60 = 0.1 X 10 'Operation'. This value may vary depending on the operating environment. Always double-check relay suitability under contact resistance is 500... This value may vary depending on the operating environment. Always double-check relay suitability under the contact resistance is 500... This value may vary depending on the operating environment. Always double-check relay suitability under the contact relative to the contact relative

Surface-Mounting Signal Relay - G6S

Specifications —

■ Coil Ratings Single-side Stable Type (G6S-2, G6S-2F, G6S-2G)

Omron 08 Cat 1-302 5/10/07 15:39 Page 232

Power consumption	Wm 04f .xorqqA	Wm 00s .xorqqA	
Max. voltage	O°ES is agailov baiari to %00S		170% of rated O°SS at Soltage of 23°C
Must release voltage	10% min. of rated voltage		
Must operate voltage	75% max. of rated voltage		
Coil resistance	142 ত	2 87 t	1,028 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Rated current	Am 0.16	Am 1.8S	Am E.8 Am T.ff
Rated voltage	4.5 VDC	2 ADC	15 ADC 54 ADC

Single-winding Latching Type (G6SU-2, G6SU-2F, G6SU-2G)

Power consum	noitq	Wm 001 .xorqqA	Wm 021 .xorqqA			
Max. voltage		180% of rated voltage at 23				
Must reset volt	968	75% min. of rated voltage				
Must set voltag	əß	75% max. of rated voltage				
(H) (ref. value)	NO enutermA	41.0	81.0	41.1	67.8	
Coil inductance	FTO enutemnA	72.0	98.0	21.2	5.80	
Coil resistance	,	203 22	250 Q	را ,440 ي	3,840 \alpha	
Rated current		Am S.SS	Am 0S	Am £.8	Am £.8	
Rated voltage		4.5 VDC	2 ADC	15 ADC	5¢ ADC	

Double-winding Latching Type (G6SK-2, G6SK-2F, G6SK-2G)

Power c	dwnsuo	ption	Mm 00S .xorqqA			.xorqqA	Wm 008
Max. vol	ltage		170% of rated voltage at 2	140% of voltage s			
Must res	set volta	986	75% min. of rated voltage				
Must ser	t voltage	əl	75% max. of rated voltage				
			MO enutermA	41.0	91.0	79 .0	2.23
(0.10.1	Reset		Armature OFF	280.0	860.0	94.0	1.34
uctance (H) (ref.			MO enutermA	470.0	880.0	14.0	1.23
-bni lioO	19S		Amature OFF	21.0	41.0	09.0	86.1
Coil resi	estance		101 \overline{10}	159 छ	ე 027	1,920 Ω	
Rated co	nrrent		Am 4.44	Am 7.8		Am 3.St	
Rated vo	oltage		4.5 VDC	2 ADC	15 ADC	54 ADC	

Note: 1. The rated current and coil resistance are measured at a coil temperature of 23°C with a tolerance of ±10%.

3. The maximum voltage is the highest voltage that can be imposed on the relay coil. 2. Operating characteristics are measured at a coil temperature of 23°C.

			UC6U0NI
Voltage	Isolation category	Contact form	ІәроМ
250 VAC	Supplementary Isolation	DPDT	G6S-2-Y, G6S-2G-Y, G6S-2F-Y

Contact ratings	Contact form	Model G6S-2, G6S-2F, G6S-2G
0.5 A, 110 VDC 0.5 A, 125 VAC		Gesonsg, Gesk-2F, Gesu-2G Gesus, Gesk-2, Gesu-2F

UL (File No. E41515)/CSA C22.2 (File No. LR24825) ■ Approved Standards

the dielectric strength (except between the set and reset coil).

Note: 2. Values in parentheses are actual values.

Note: 3. The insulation resistance was measured with a 500-VDC megohmeter applied to the same parts as those used for checking

Note: 1. The contact resistance was measured with 10mA at 1 VDC with a voltage drop method.

Mote: The above values are initial values. Another: 1. The contact resistance was measured think DOV I to Amothe and I is shown			
Meight	g S. xorqqA		
Varibimun theidmA	Operating: 5% to 85%		
Ambient temperature	Operating: -40°C to 85°C (with no icing), -40°C to 70°C (double-winding latching, 24 VDC)		
Endurance	Mechanical: 100,000,000 operations min. (at 36,000 operations/hr) Electrical: 100,000 operations min. (2 A at 30 VDC, resistive load: 1,200 operations/hr) 100,000 operations min. (0.5 A at 125 VAC, resistive load)		
Shock resistance	Destruction: 1,000 m/s² (approx. 170G) Malfunction: 750 m/s² (approx. 175G)		
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 2.5mm single amplitude (5mm double amplitude) Malfunction: 10 to 55 to 10 Hz, 1.6mm single amplitude (3.3mm double amplitude)		
egestlov bnstartriw saluqml	2,500 V (2 x 10 µs) between coil and contacts (double-winding latching) between coil and contacts (double-winding latching) 0.00 x 1,00 \times 0.01 yr) between contacts of different polarity 0.01 x 0 \times 0.07 C part 68) 0.01 x 0		
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min between coil and contacts 1,000 VAC, 50/60 Hz for 1 min between coil and contacts (double-winding latching) 1,000 VAC, 50/60 Hz for 1 min between contacts of different polarity 1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity 1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity 500 VAC, 50/60 Hz for 1 min between set and reset coil (double-winding latching)		
Insulation resistance (Note 3)	1,000 Mp min. (at 500 VDC)		
Max. operating frequency	Mechanical: 36,000 operations/hr (under rated load) Electrical: 1,800 operations/hr (under rated load)		
Release (reset) time (Note 2)	4 ms max. (mean value: approx. 1.5 ms; latching type: approx. 2 ms)		
Operate (set) time (Note 2)	4 ms max. (mean value: approx. 2.5 ms; latching type: approx. 2 ms)		
Contact resistance (Note)	.xsm Qm 27		

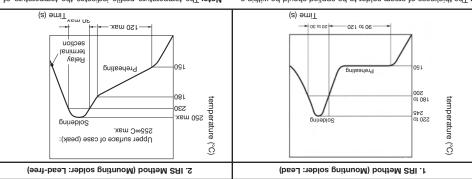
■ Characteristics

Surface-Mounting Signal Relay - G6S

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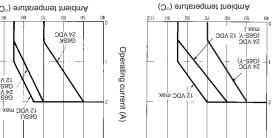
- correct soldering conditions be maintained as shown below on
- In order to perform correct soldering, it is recommended that the
- The thickness of cream solder to be applied should be within a range between 150 and 200 µm on OMRON's recommended

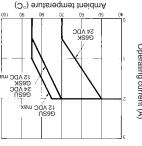
Note: The temperature profile indicates the temperature of the relay terminal section.



Temperatures indicate the surface temperatures of the PCB.

Recommended Soldering Method -

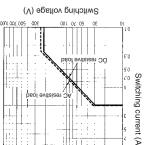




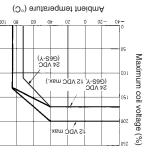
Single-winding Latching Double-winding Latching

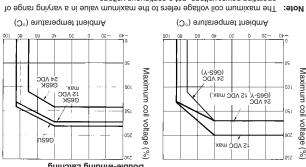
Single-side Stable Ambient Temperature vs. Switching Current

Reference Data

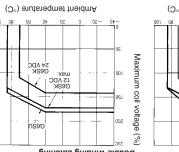








operating power voltage, not a continuous voltage.















Ambient Temperature vs. Maximum Coil Voltage Single-side Stable

Maximum Switching Power Engineering Data -

Surface-Mounting Signal Relay - G6S

				UC6U0NI
Ì	Voltage	Isolation category	Contact form	ІәроМ
	250 VAC	Supplementary Isolation	DPDT	G6S-2-Y, G6S-2G-Y, G6S-2F-Y

Contact ratings	DPDT	Model G6S-2, G6S-2F, G6S-2G
0.5 A, 110 VDC 0.5 A, 125 VAC		Gesanse, Gesk-2F, Gesu-2G Gesus, Gesk-2, Gesu-2F

UL (File No. E41515)/CSA C22.2 (File No. LR24825) ■ Approved Standards

the dielectric strength (except between the set and reset coil).

Note: 2. Values in parentheses are actual values.

Note: 3. The insulation resistance was measured with a 500-VDC megohmeter applied to the same parts as those used for checking

Note: 1. The contact resistance was measured with 10mA at 1 VDC with a voltage drop method.

Mote: The above values are initial values. Another: 1. The contact resistance was measured think DOV I to Amothe and I is shown			
Meight	g S. xorqqA		
Valbimun theidmA	Operating: 5% to 85%		
Ambient temperature	Operating: -40°C to 85°C (with no icing), -40°C to 70°C (double-winding latching, 24 VDC)		
Endurance	Mechanical: 100,000,000 operations min. (at 36,000 operations/hr) Electrical: 100,000 operations min. (2 A at 30 VDC, resistive load: 1,200 operations/hr) 100,000 operations min. (0.5 A at 125 VAC, resistive load)		
Shock resistance	Destruction: 1,000 m/s² (approx. 170G) Malfunction: 750 m/s² (approx. 175G)		
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 2.5mm single amplitude (5mm double amplitude) Malfunction: 10 to 55 to 10 Hz, 1.6mm single amplitude (3.3mm double amplitude)		
egestlov bnstartriw saluqml	2,500 V (2 x 10 µs) between coil and contacts (double-winding latching) between coil and contacts (double-winding latching) 0.00 x 1,00 \times 0.01 yr) between contacts of different polarity 0.01 x 0 \times 0.07 C part 68) 0.01 x 0		
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min between coil and contacts 1,000 VAC, 50/60 Hz for 1 min between coil and contacts (double-winding latching) 1,000 VAC, 50/60 Hz for 1 min between contacts of different polarity 1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity 1,000 VAC, 50/60 Hz for 1 min between contacts of same polarity 500 VAC, 50/60 Hz for 1 min between set and reset coil (double-winding latching)		
Insulation resistance (Note 3)	1,000 Mp min. (at 500 VDC)		
Max. operating frequency	Mechanical: 36,000 operations/hr (under rated load) Electrical: 1,800 operations/hr (under rated load)		
Release (reset) time (Note 2)	4 ms max. (mean value: approx. 1.5 ms; latching type: approx. 2 ms)		
Operate (set) time (Note 2)	4 ms max. (mean value: approx. 2.5 ms; latching type: approx. 2 ms)		
Contact resistance (Note)	.xsm Qm 27		

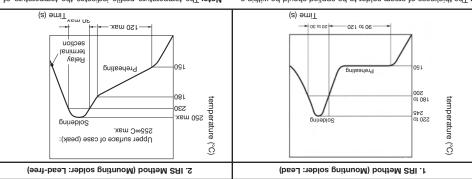
■ Characteristics

Surface-Mounting Signal Relay - G6S

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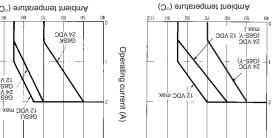
- correct soldering conditions be maintained as shown below on
- In order to perform correct soldering, it is recommended that the
- The thickness of cream solder to be applied should be within a range between 150 and 200 µm on OMRON's recommended

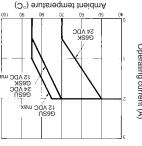
Note: The temperature profile indicates the temperature of the relay terminal section.



Temperatures indicate the surface temperatures of the PCB.

Recommended Soldering Method -

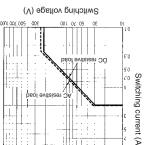




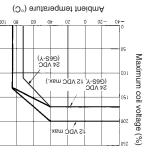
Single-winding Latching Double-winding Latching

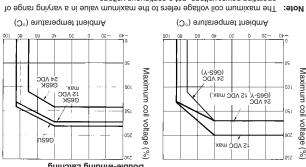
Single-side Stable Ambient Temperature vs. Switching Current

Reference Data

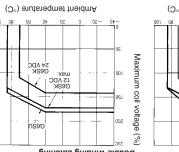








operating power voltage, not a continuous voltage.













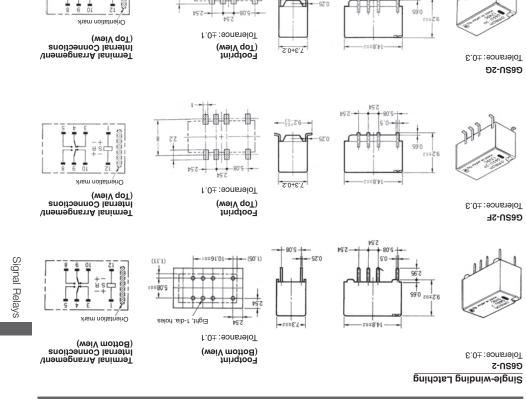


Ambient Temperature vs. Maximum Coil Voltage Single-side Stable

Maximum Switching Power Engineering Data -

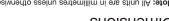
Surface-Mounting Signal Relay - G6S

Surface-Mounting Signal Relay - G6S



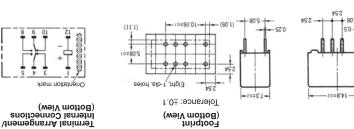
Surface-Mounting Signal Relay - G6S

Dimensions -

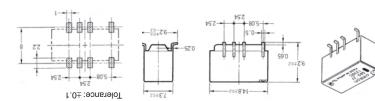


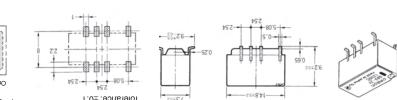
 $\textbf{Note:} \ \textbf{All units are in millimetres unless otherwise indicated}.$

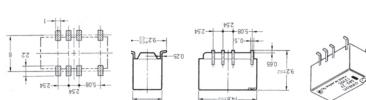


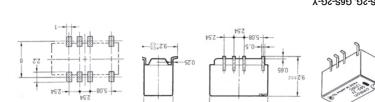


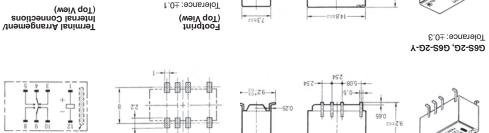


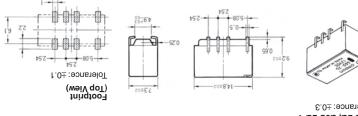






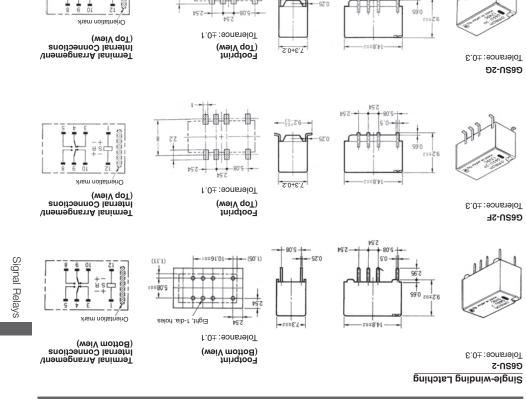






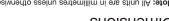
752 536

Surface-Mounting Signal Relay - G6S



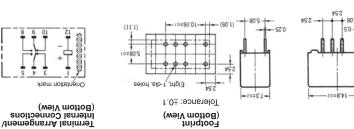
Surface-Mounting Signal Relay - G6S

Dimensions -

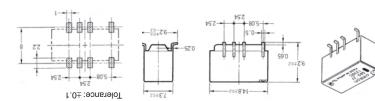


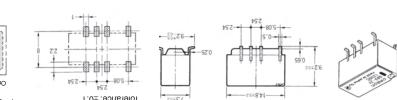
 $\textbf{Note:} \ \textbf{All units are in millimetres unless otherwise indicated}.$

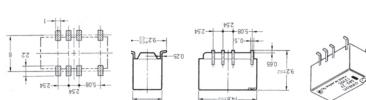


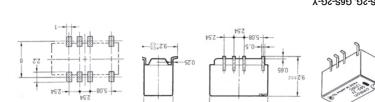


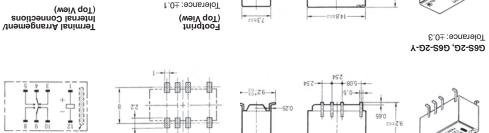


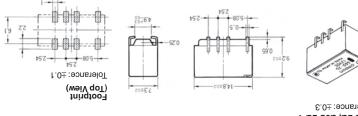




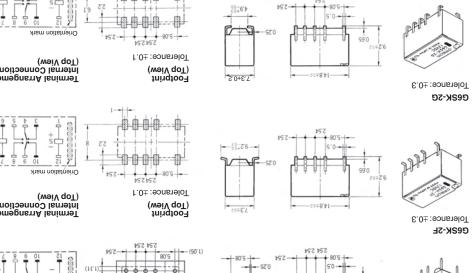


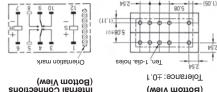


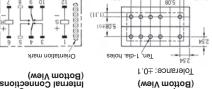


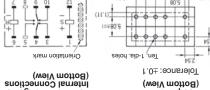


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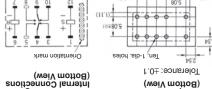


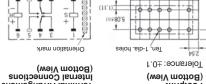


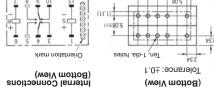


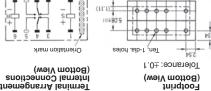


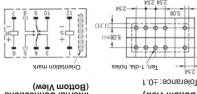


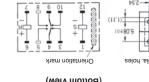


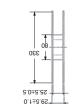




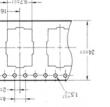


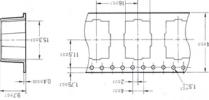












G6S-2F, G6SU-2F, G6SK-2F, G6S-2F-Y

G6S-2G, G6SU-2G, G6SK-2G, G6S-2G-Y

When ordering, add "-TR" before the rated coil voltage for tape packing.

539

failure may occur after the solder mounting process. To store the proof package. If the Relay is left for a long time after opening the moisture-proof package, the appearance may suffer and seal

During automatic insertion of Relays, be sure to set the securing

will not overflow onto the PCB.

(.besu si bodtem

solvent temperature to less than $40 {\rm \omega C}$. Do not put the Relay in a cold cleaning bath immediately after soldering. When washing the product after soldering the Relay to a PCB, use a water-based solvent, and keep the

original package and sealed the package with adhesive tape. Relay after opening the moisture-proof package, place it into the

Dimension A: 1.96 M max. Dimension B: 4.90 M max. Dimension C: 1.96 M max.

characteristics will be maintained. force of each claw to the following so that the Relay's

Claw Securing Force During Automatic Mounting

Be sure to adjust the level of the molten solder so that the solder approx. 3 s for the second time if the DWS method is used.) Soldering time: Approx. 5 s max. (Approx. 2 s for the first time and

Soldering temperature: Approx. 250°C (At 260°C if the DWS

G6S (K) (-U) -2 Soldering

Precautions -

CAT. No. K093-E2-04A-X

Relay Handling

Use the Relay as soon as possible after opening the moisture-

design that provides protection against contact failure or coil used in this kind of circuit, we recommend using a fail-safe circuit surfaces. We recommend using a latching relay (magnetic-holding relay) in this kind of circuit. If a single-side stable model must be nustable contacts because the heat generated by the coil itself will affect the insulation, causing a film to develop on the confact

continuously for long periods (without switching) can lead to

Remove the relay from the packing immediately prior to usage.

that a reset voltage be applied in advance to start operation.

Do not drop the G6S or otherwise subject it to excessive shock.

Latching types are delivered in the reset position. We recommend

Do not use the G6S where subject to magnetic particles or

Do not use the G6S where subject to strong external magnetic $\tilde{\ }$

Use a DC power supply with 5% or less ripple factor to operate

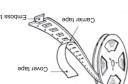
Long-term Continuously ON Contacts

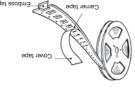
Do not reverse the polarity of the coil (+, -).

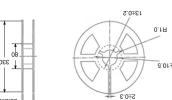
■ Precautions

excessive amounts of dust.

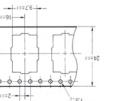
Using the Relay in a circuit where the Relay will be ON











■ Tape Packing

Tape type: TE2416R (Refer to EIAJ)

Reel type: R24E (Refer to EIAJ)

Relays per reel: 400

Surface-Mounting Signal Relay - G6S

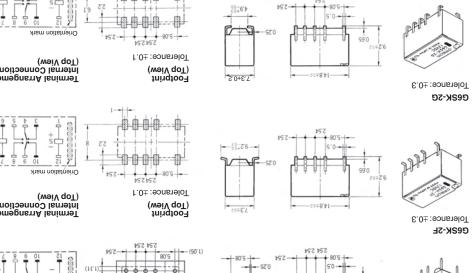
Omron 08 Cat 1-302 5/10/07 15:39 Page 238

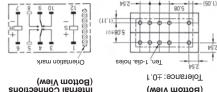
Surface-Mounting Signal Relay - G6S

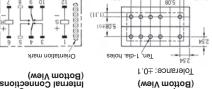
Tolerance: ±0.3

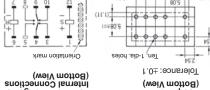
Double-winding Latching

G6SK-2

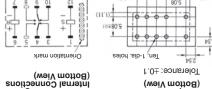


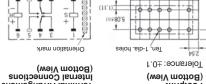


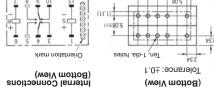


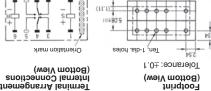


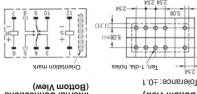


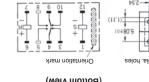


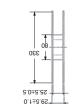




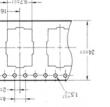


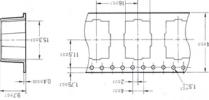












G6S-2F, G6SU-2F, G6SK-2F, G6S-2F-Y

G6S-2G, G6SU-2G, G6SK-2G, G6S-2G-Y

When ordering, add "-TR" before the rated coil voltage for tape packing.

539

failure may occur after the solder mounting process. To store the proof package. If the Relay is left for a long time after opening the moisture-proof package, the appearance may suffer and seal

During automatic insertion of Relays, be sure to set the securing

will not overflow onto the PCB.

(.besu si bodtem

solvent temperature to less than $40 {\rm \omega C}$. Do not put the Relay in a cold cleaning bath immediately after soldering. When washing the product after soldering the Relay to a PCB, use a water-based solvent, and keep the

original package and sealed the package with adhesive tape. Relay after opening the moisture-proof package, place it into the

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Soldering temperature: Approx. 250°C (At 260°C if the DWS

G6S (K) (-U) -2 Soldering

Precautions -

CAT. No. K093-E2-04A-X

Relay Handling

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design that provides protection against contact failure or coil used in this kind of circuit, we recommend using a fail-safe circuit surfaces. We recommend using a latching relay (magnetic-holding relay) in this kind of circuit. If a single-side stable model must be nustable contacts because the heat generated by the coil itself will affect the insulation, causing a film to develop on the confact

continuously for long periods (without switching) can lead to

Remove the relay from the packing immediately prior to usage.

that a reset voltage be applied in advance to start operation.

Do not drop the G6S or otherwise subject it to excessive shock.

Latching types are delivered in the reset position. We recommend

Do not use the G6S where subject to magnetic particles or

Do not use the G6S where subject to strong external magnetic $\tilde{\ }$

Use a DC power supply with 5% or less ripple factor to operate

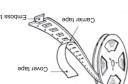
Long-term Continuously ON Contacts

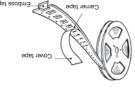
Do not reverse the polarity of the coil (+, -).

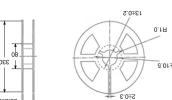
■ Precautions

excessive amounts of dust.

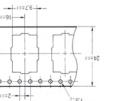
Using the Relay in a circuit where the Relay will be ON











■ Tape Packing

Tape type: TE2416R (Refer to EIAJ)

Reel type: R24E (Refer to EIAJ)

Relays per reel: 400

Surface-Mounting Signal Relay - G6S

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Surface-Mounting Signal Relay - G6S

Tolerance: ±0.3

Double-winding Latching

G6SK-2

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