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NO: REL-156
DATE: April 2015

PRODUCT: G6A Series, “-BS” models
TYPE: **Discontinuation** Notice

‘-BS’ models of the G6A Series to be DISCONTINUED
March 30, 2016

Based upon a diminishing demand for the ‘-BS’ (British Standard) models of the G6A series of Low Signal Relays, OMRON will discontinue those models at the end of March 2016. Although there are no direct replacements for these models with equivalent EN60950 (BSI) approvals, Omron recommends consideration of the standard **G6A** relays or the EN60950 approved **G6S-2-Y** series of Low Signal Relays for new designs. Please carefully read through this notification and note the differences. The following details will fully explain the discontinuation and replacement considerations; should you have any additional questions, however, please communicate with the Relay Product Manager.

Product Discontinuation

Low Signal Relay

Model **G6A-234P(-ST)-BS**



Suggested Replacement

Low Signal Relay

Model **G6A-274P(-ST)-US**
Model **G6S-2-Y**

NOTE: Nomenclature for the G6S-2-Y may or may not include “BY OMR” at the end of the part numbers, within the Omron Computer System. This is a factory designation and has no bearing on the specifications.

Discontinuation date

End of March, 2016

LAST Order date

February 29, 2016

Caution on suggested replacement:

G6A-274P(-ST)-US is not approved by EN60950 (BSI). There are differences in the Operation Ratings and Characteristics. G6S-2-Y is approved by EN60950 (BSI), however, there are differences to the Body Color, Dimensions, Terminal Connections, Mounting Dimensions, Operation Ratings and Characteristics.

→ Therefore, please consider the suggested replacement carefully, for new designs.




G6A-274P(-ST)-US and G6S-2-Y -- Differences from discontinued product:

Suggested replacement Model	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Charact-eristics	Operation ratings	Operation methods
Model G6A-274P(-ST)-US	**	**	**	**	*	*	**
Model G6S-2-Y	-	-	-	-	*	*	**

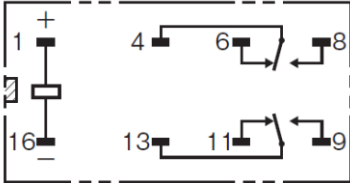
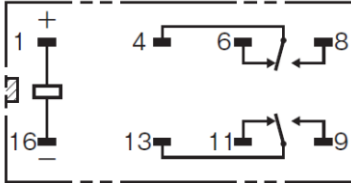
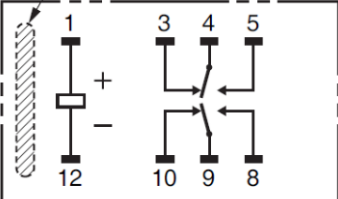
- ** : Compatible
- * : The change is a little/Almost compatible
- : Not compatible
- : No corresponding specification

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

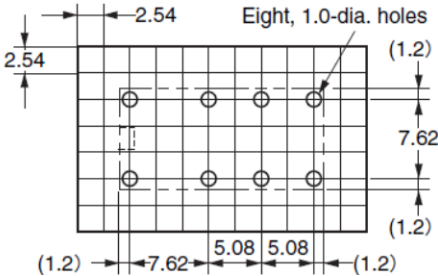
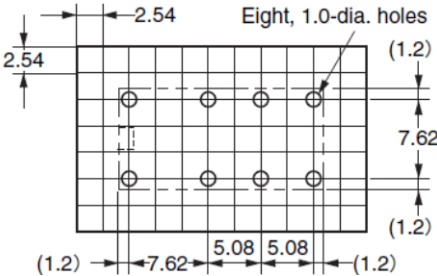
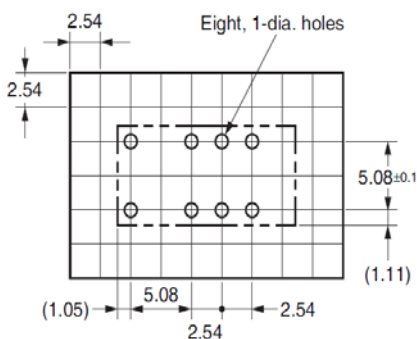
Body color:

<p>Discontinued Product Model G6A-234P(-ST)-BS</p>	<p>Suggested Replacement Model G6A-274P(-ST)-US, Model G6S-2-Y</p>
<p>G6A-234P(-ST)-BS Black</p> 	<p>G6A-274P(-ST)-US Black</p>  <p>G6S-2-Y White</p> 

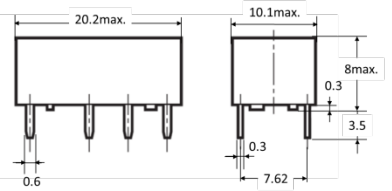
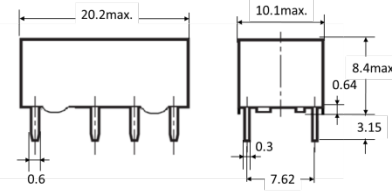
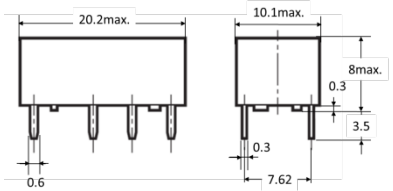
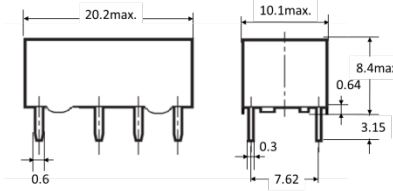
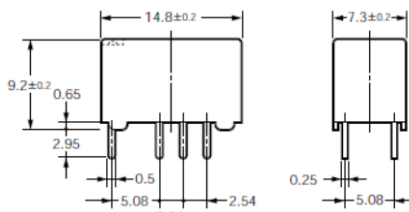
Wire connection:

<p>Discontinued Product Model G6A-234P(-ST)-BS</p>	<p>Suggested Replacement Model G6A-274P(-ST)-US, Model G6S-2-Y</p>
<p>G6A-234P(-ST)-BS BOTTOM VIEW</p> 	<p>G6A-274P(-ST)-US BOTTOM VIEW</p>  <p>G6S-2-Y BOTTOM VIEW Orientation mark</p> 

Mounting dimensions:

<p style="text-align: center;">Discontinued Product Model G6A-234P(-ST)-BS</p>	<p style="text-align: center;">Suggested Replacement Model G6A-274P(-ST)-US, Model G6S-2-Y</p>
<p>G6A-234P(-ST)-BS</p>  <p>Diagram showing mounting dimensions for G6A-234P(-ST)-BS. It features a 2x4 grid of eight 1.0-dia. holes. The grid is 7.62mm wide and 7.62mm high. The holes are spaced 2.54mm apart. The distance from the left edge to the first hole is 1.2mm, and from the right edge to the last hole is 1.2mm. The distance from the top edge to the first hole is 1.2mm, and from the bottom edge to the last hole is 1.2mm. The distance between the two rows of holes is 5.08mm.</p>	<p>G6A-274P(-ST)-US</p>  <p>Diagram showing mounting dimensions for G6A-274P(-ST)-US. It features a 2x4 grid of eight 1.0-dia. holes. The grid is 7.62mm wide and 7.62mm high. The holes are spaced 2.54mm apart. The distance from the left edge to the first hole is 1.2mm, and from the right edge to the last hole is 1.2mm. The distance from the top edge to the first hole is 1.2mm, and from the bottom edge to the last hole is 1.2mm. The distance between the two rows of holes is 5.08mm.</p> <p>G6S-2-Y</p>  <p>Diagram showing mounting dimensions for G6S-2-Y. It features a 2x4 grid of eight 1-dia. holes. The grid is 5.08mm±0.1mm wide and 1.11mm high. The holes are spaced 2.54mm apart. The distance from the left edge to the first hole is 1.05mm, and from the right edge to the last hole is 2.54mm. The distance from the top edge to the first hole is 2.54mm, and from the bottom edge to the last hole is 2.54mm. The distance between the two rows of holes is 5.08mm.</p>

Dimensions:

<p style="text-align: center;">Discontinued Product Model G6A-234P(-ST)-BS</p>	<p style="text-align: center;">Suggested Replacement Model G6A-274P(-ST)-US, Model G6S-2-Y</p>
<p>G6A-234P-BS</p>  <p>Diagram showing dimensions for G6A-234P-BS. The component has a maximum width of 20.2mm and a maximum height of 10.1mm. The pin width is 0.6mm, the pin height is 0.3mm, and the pin spacing is 7.62mm. The maximum pin length is 8mm, and the distance from the bottom edge to the pin base is 3.5mm.</p> <p>G6A-234P-ST-BS</p>  <p>Diagram showing dimensions for G6A-234P-ST-BS. The component has a maximum width of 20.2mm and a maximum height of 10.1mm. The pin width is 0.6mm, the pin height is 0.3mm, and the pin spacing is 7.62mm. The maximum pin length is 8.4mm, and the distance from the bottom edge to the pin base is 3.15mm.</p>	<p>G6A-274P-US</p>  <p>Diagram showing dimensions for G6A-274P-US. The component has a maximum width of 20.2mm and a maximum height of 10.1mm. The pin width is 0.6mm, the pin height is 0.3mm, and the pin spacing is 7.62mm. The maximum pin length is 8mm, and the distance from the bottom edge to the pin base is 3.5mm.</p> <p>G6A-274P-ST-US</p>  <p>Diagram showing dimensions for G6A-274P-ST-US. The component has a maximum width of 20.2mm and a maximum height of 10.1mm. The pin width is 0.6mm, the pin height is 0.3mm, and the pin spacing is 7.62mm. The maximum pin length is 8.4mm, and the distance from the bottom edge to the pin base is 3.15mm.</p> <p>G6S-2-Y</p>  <p>Diagram showing dimensions for G6S-2-Y. The component has a width of 14.8±0.2mm and a height of 7.3±0.2mm. The pin width is 0.5mm, the pin height is 0.25mm, and the pin spacing is 5.08mm. The distance from the top edge to the pin base is 9.2±0.2mm, and the distance from the bottom edge to the pin base is 2.95mm.</p>

Characteristics and Operation ratings:

Item	Discontinued Product G6A-234P(-ST)-BS	Suggested replacement G6A-274P(-ST)-US	Suggested replacement G6S-2-Y
Ratings of Contacts			
Contact Material	Au Alloy + AgPd		Au Alloy + Ag
Rated load (resistive)	125 VAC 0.3 A 30 VDC 1 A		125 VAC 0.5 A 30 VDC 2 A
Rated load (inductive)	125 VAC 0.2 A 30 VDC 0.5 A	125 VAC 0.3 A 30 VDC 1 A	-
Rated carry current	3 A		2 A
Max. switching voltage	250 VAC , 220 VAC		
Max. switching current (resistive)	2 A		
Max. switching current (inductive)	1 A		-
Ratings of coil			
Must operate voltage	Max. 70%		Max. 75%
Must release voltage	Min. 10%		
Maximum voltage	150% (at 23°C)	200% (at 23°C)	170% (at 23°C)
Power consumption (3 VDC to 12 VDC coils)	Approx. 280 mW	Approx. 200 mW	
Power consumption (24 VDC coils)	Approx. 280 mW	Approx. 200 mW	Approx. 230 mW
Power consumption (48 VDC coils)	Approx. 330 mW	Approx. 235 mW	-
Characteristics (Initial)			
Contact resistance	50 mΩ max.		75 mΩ max.
Operate time	5 ms max.		4 ms max.
Release time	3 ms max.		4 ms max.
Insulation resistance	1,000 MΩ min.		
Dielectric strength between coil and contacts.	2,000 VAC 50/60 Hz for 1 min	1,000 VAC 50/60 Hz for 1 min	2,000 VAC 50/60 Hz for 1 min
Dielectric strength between contacts of same polarity.	1,000 VAC 50/60 Hz for 1 min		1,500 VAC 50/60 Hz for 1 min
Dielectric strength between contacts of different polarity.	1,000 VAC 50/60 Hz for 1 min		
Vibration resistance	Destruction: 10 to 55 to 10 Hz, 2.5 mm single amplitude Malfunction: 10 to 55 to 10 Hz, 1.65 mm single amplitude		
Shock resistance Destruction:	1,000 m/s ²		
Shock resistance Malfunction:	500 m/s ²		750 m/s ²
Mechanical Endurance	100,000,000 operations min.		
Electrical Endurance	500,000 operations min.		100,000 operations min.
Ambient operating temperature	-40°C to 70°C		-40°C to 85°C -40°C to 70°C (for 24 VDC coil)
Ambient operating humidity	5% to 85%		
Weight	Approx. 3.5 g		Approx. 2 g
Approved Standards	UL/CSA/EN60950 (BSI)	UL/CSA	UL/CSA/EN60950 (BSI)

Operation methods

Discontinued Product Model G6A-234P(-ST)-BS	Suggested Replacement Model G6A-274P(-ST)-US, Model G6S-2-Y
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">No difference</div>	

Discontinued product and suggested replacement:

NOTE: Nomenclature for the G6S-2-Y may or may not include "BY OMR" at the end of the part numbers, within the Omron Computer System. This is a factory designation and has no bearing on the specifications.

Discontinued product	Suggested replacement
G6A-234P-ST-BS DC9	G6A-274P-ST-US DC9
	G6S-2-Y DC9 BY OMR
G6A-234P-ST-BS DC48	G6A-274P-ST-US DC48
G6A-234P-ST-BS DC24	G6A-274P-ST-US DC24
	G6S-2-Y DC24 BY OMR
G6A-234P-ST-BS DC12	G6A-274P-ST-US DC12
	G6S-2-Y DC12 BY OMR
G6A-234P-BS DC9	G6A-274P-US DC9
	G6A-274P-ST-US DC9
	G6S-2-Y DC9 BY OMR
G6A-234P-BS DC6	G6A-274P-ST-US DC6
	G6S-2-Y DC6 BY OMR
G6A-234P-BS DC5	G6A-274P-US DC5
	G6A-274P-ST-US DC5
	G6S-2-Y DC5 BY OMR
G6A-234P-BS DC48	G6A-274P-US DC48
	G6A-274P-ST-US DC48
G6A-234P-BS DC4.5	G6A-274P-ST-US DC4.5
	G6S-2-Y DC4.5 BY OMR
G6A-234P-BS DC3	G6A-274P-US DC3
	G6A-274P-ST-US DC3
	G6S-2-Y DC3 BY OMR
G6A-234P-BS DC24	G6A-274P-US DC24
	G6A-274P-ST-US DC24
	G6S-2-Y DC24 BY OMR
G6A-234P-BS DC12	G6A-274P-US DC12
	G6A-274P-ST-US DC12
	G6S-2-Y DC12 BY OMR

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