PRODUCT NEWS

Product Discontinuation Notices

OMRON

January 5, 2011

Safety Relays

No. 2011011E

Discontinuation Notice of Safety relays. G7SB series

Product Discontinuation Safety Relays	Recommended Replacement Safety Relays
G7SB series	**G7SA series**

Discontinuation date : The end of March, 2012

Caution on recommended replacement

- Product body colors are different between discontinued models and replacement models.
- Product dimensions are different between discontinued models and replacement models.
- Mounting dimensions are different between discontinued models and replacement models.
- Wire connections are different between discontinued models and replacement models.

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
G7SA	--	--	--	--	*	**	**

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

OMRON Corporation
Industrial Automation Company

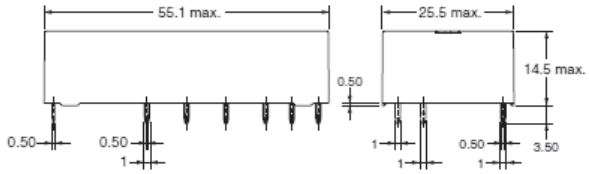
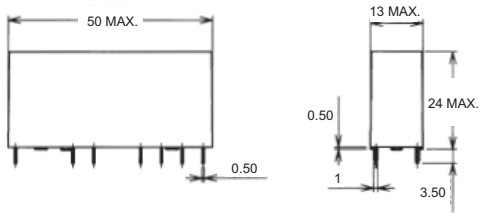
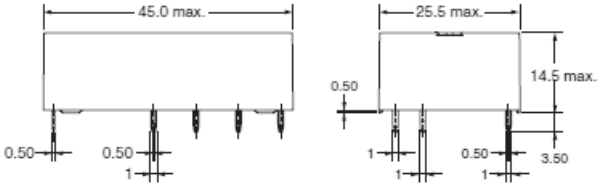
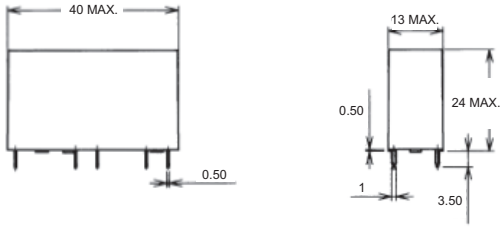
Product Discontinuation and recommended replacement

Product discontinuation	Recommended replacement
G7SB-5A1B DC12	G7SA-5A1B DC12
G7SB-5A1B DC18	G7SA-5A1B DC18
G7SB-5A1B DC21	G7SA-5A1B DC21
G7SB-5A1B DC24	G7SA-5A1B DC24
G7SB-5A1B-OCB DC12	G7SA-5A1B-OCB DC12
G7SB-5A1B-OCB DC18	-
G7SB-5A1B-OCB DC21	G7SA-5A1B-OCB DC21
G7SB-5A1B-OCB DC24	G7SA-5A1B-OCB DC24
G7SB-4A2B DC12	G7SA-4A2B DC12
G7SB-4A2B DC18	G7SA-4A2B DC18
G7SB-4A2B DC21	G7SA-4A2B DC21
G7SB-4A2B DC24	G7SA-4A2B DC24
G7SB-4A2B-OCB DC12	G7SA-4A2B-OCB DC12
G7SB-4A2B-OCB DC18	G7SA-4A2B-OCB DC18
G7SB-4A2B-OCB DC21	G7SA-4A2B-OCB DC21
G7SB-4A2B-OCB DC24	G7SA-4A2B-OCB DC24
G7SB-3A1B DC12	G7SA-3A1B DC12
G7SB-3A1B DC18	G7SA-3A1B DC18
G7SB-3A1B DC21	G7SA-3A1B DC21
G7SB-3A1B DC24	G7SA-3A1B DC24
G7SB-3A1B-OCB DC12	G7SA-3A1B-OCB DC12
G7SB-3A1B-OCB DC18	-
G7SB-3A1B-OCB DC21	G7SA-3A1B-OCB DC21
G7SB-3A1B-OCB DC24	G7SA-3A1B-OCB DC24
G7SB-2A2B DC12	G7SA-2A2B DC12
G7SB-2A2B DC18	G7SA-2A2B DC18
G7SB-2A2B DC21	G7SA-2A2B DC21
G7SB-2A2B DC24	G7SA-2A2B DC24
G7SB-2A2B-OCB DC12	G7SA-2A2B-OCB DC12
G7SB-2A2B-OCB DC18	G7SA-2A2B-OCB DC18
G7SB-2A2B-OCB DC21	G7SA-2A2B-OCB DC21
G7SB-2A2B-OCB DC24	G7SA-2A2B-OCB DC24

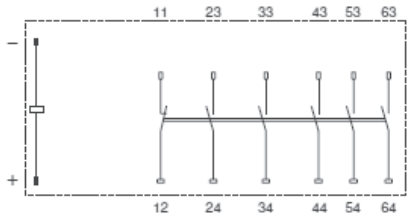
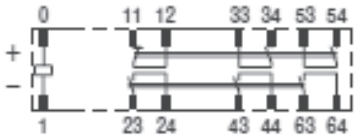
Body color

Product discontinuation G7SB series	Recommendable replacement G7SA series
Block	Transparency

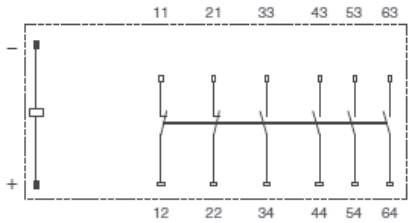
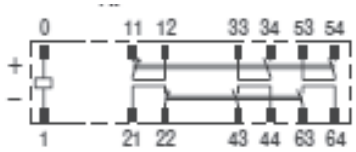
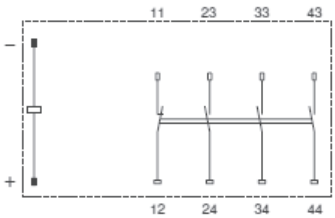
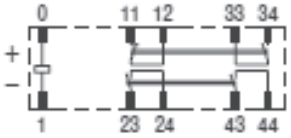
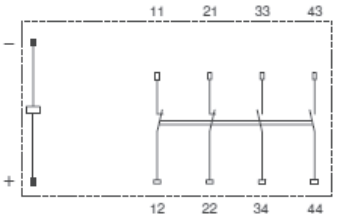
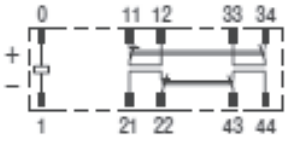
Dimensions

Product discontinuation G7SB series	Recommendable replacement G7SA series
G7SB-5A1B, G7SB-5A1B-OCB **G7SB-4A2B, G7SB-4A2B-OCB**  	**G7SA-5A1B, G7SA-5A1B-OCB** **G7SA-4A2B, G7SA-4A2B-OCB** 
G7SB-3A1B, G7SB-3A1B-OCB **G7SB-2A2B, G7SB-2A2B-OCB**  	**G7SA-3A1B, G7SA-3A1B-OCB** **G7SA-2A2B, G7SA-2A2B-OCB** 

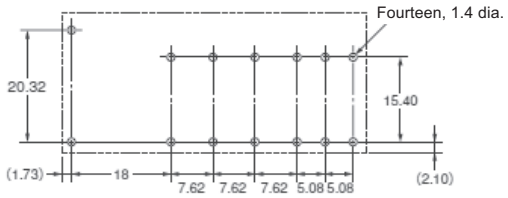
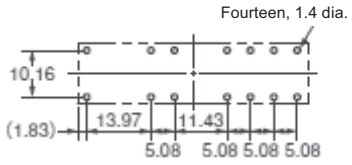
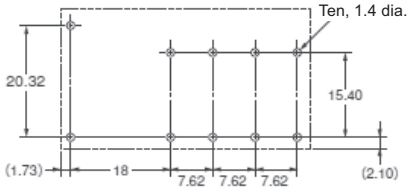
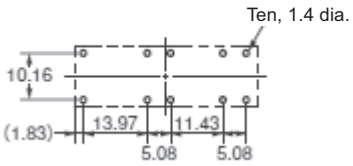
Wire Connection

Product discontinuation G7SB series	Recommendable replacement G7SA series
G7SB-5A1B, G7SB-5A1B-OCB  Note Terminals 23-24, 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12 are normally closed.	**G7SA-5A1B, G7SA-5A1B-OCB**  Note1. Terminals 23-24, 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12 are normally closed. Note2. The colors of the cards inside the Relays are as follows: G7SA-5A1B:Blue

Wire Connection

Product discontinuation G7SB series	Recommendable replacement G7SA series
G7SB-4A2B, G7SB-4A2B-OCB  Note Terminals 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12 and 21-22 are normally closed.	**G7SA-4A2B, G7SA-4A2B-OCB**  Note1. Terminals 33-34, 43-44, 53-54, and 63-64 are normally open. Terminals 11-12 and 21-22 are normally closed. Note2. The colors of the cards inside the Relays are as follows: G7SA-4A2B:White
G7SB-3A1B, G7SB-3A1B-OCB  Note Terminals 23-24, 33-34, and 43-44 are normally open. Terminals 11-12 are normally closed.	**G7SA-3A1B, G7SA-3A1B-OCB**  Note1. Terminals 23-24, 33-34, and 43-44 are normally open. Terminals 11-12 are normally closed. Note2. The colors of the cards inside the Relays are as follows: G7SA-3A1B: Blue
G7SB-2A2B, G7SB-2A2B-OCB  Note Terminals 33-34 and 43-44 are normally open. Terminals 11-12 and 21-22 are normally closed.	**G7SA-2A2B, G7SA-2A2B-OCB**  Note1. Terminals 33-34 and 43-44 are normally open. Terminals 11-12 and 21-22 are normally closed. Note2. The colors of the cards inside the Relays are as follows: G7SA-2A2B: White.

Mounting dimensions

Product discontinuation G7SB series	Recommendable replacement G7SA series
G7SB-5A1B, G7SB-5A1B-OCB **G7SB-4A2B, G7SB-4A2B-OCB**  Bottom View ±0.1 tolerance	**G7SA-5A1B, G7SA-5A1B-OCB** **G7SA-4A2B, G7SA-4A2B-OCB**  Bottom View ±0.1 tolerance
G7SB-3A1B, G7SB-3A1B-OCB **G7SB-2A2B, G7SB-2A2B-OCB**  Bottom View ±0.1 tolerance	**G7SA-3A1B, G7SA-3A1B-OCB** **G7SA-2A2B, G7SA-2A2B-OCB**  Bottom View ±0.1 tolerance

Characteristics

Product discontinuation G7SB series	Recommendable replacement G7SA series
Dielectric strength Between coil contacts/different poles: 3,000 VAC, 50/60 Hz for 1min. Between poles 1-2, 2-3, and 3-4: 3,000VAC, 50/60 Hz for 1 min. Between poles 4-5 and 5-6 (in 6-pole relays): 2,500 VAC, 50/60 Hz for 1 min. Between contacts of same polarity: 1,500 VAC, 50/60 Hz for 1 min. Note Pole 1 refers to terminals 11-12, pole 2 refer to terminals 21-22/23-24, pole 3 refers to terminals 33-34, pole 4 refers to terminals 43-44, pole 5 refer to terminals 53-54, and pole 6 refers to terminals 63-64.	Between coil contacts/different poles (except for poles 3-4 in 4-pole Relays and poles 3-5,4-6, and 5-6 in 6-pole Relays): 4,000 VAC, 50/60 Hz for 1 min. Between different poles (poles 3-4 in 4-pole Relays and poles 3-5, 4-6, and 5-6 in 6pole Relays):2,500 VAC, 50/60 Hz for 1min. Between contacts of same polarity: 1,500 VAC, 50/60 Hz for 1 min. Note1. Pole 3 refers to terminals 33-34 pole 4 refers to terminals 43-44, pole 5 refers to terminals 53-54, and pole 6 refers to terminals 63-64. Note2. When using a P7SA Socket, the dielectric strength between coil contacts/different poles in 2,500 VAC, 50/60 Hz for 1 min.