

Product Discontinuation

Automotive RY



MODEL G8N series
MODEL G8NW series
MODEL G8ND series



Recommended Replacement

Automotive RY

MODEL G8NB-1 series
MODEL G8NB-2 series
MODEL G8NDL series

[Final order entry date]

The end of September, 2025

[Date of The Last Shipping]

The end of December, 2025

[Caution on recommended replacement]

Please note that depending on the model, the case color of the product itself may change. Please note that the external height will change. Please note that the operating characteristics of the G8ND series will also change significantly.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
MODEL G8NB-1 series	**	*	**	**	**	**	**
MODEL G8NB-2 series	--	*	**	**	**	**	**
MODEL G8NDL series	**	--	**	**	**	*	**

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

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
G8N-1 DC12	G8NB-1 DC12
G8N-1 DC12 SK K	G8NB-1 DC12
G8N-1H DC12	G8NB-1S DC12
G8N-1H DC12 SK K	G8NB-1S DC12
G8N-1H-AS DC12	G8NB-1S DC12
G8N-1H-AS SK	G8NB-1S DC12
G8N-1L DC12	G8NB-1 DC12
G8N-1L DC12 SK	G8NB-1 DC12
G8N-1L-AS DC12	G8NB-1 DC12
G8N-1L-AS SK	G8NB-1 DC12
G8N-1U DC12	G8NB-1U DC12
G8N-1U DC12 SK	G8NB-1U DC12
G8N-1U-AS DC12	G8NB-1U DC12
G8N-1U-AS SK	G8NB-1U DC12

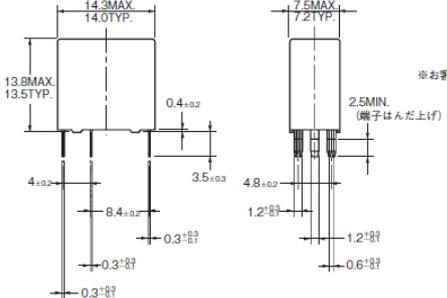
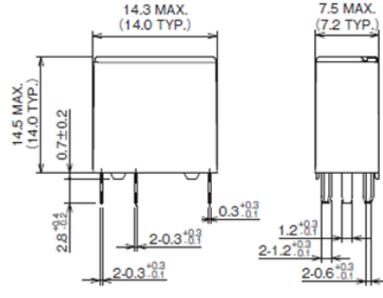


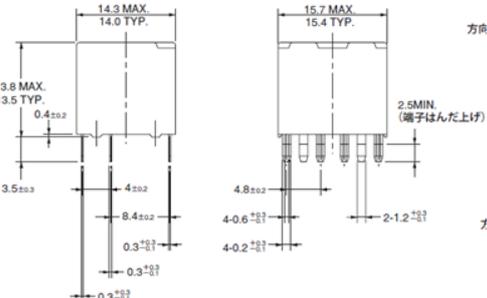
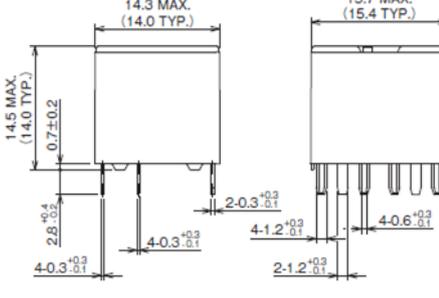
Product discontinuation	Recommended replacement
G8NW-2 DC12	G8NB-2 DC12
G8NW-2 DC12 SK	G8NB-2 DC12
G8NW-2H DC12	G8NB-2S DC12
G8NW-2H DC12 SK	G8NB-2S DC12
G8NW-2H DC12 SK K	G8NB-2S DC12
G8NW-2H-AS SK	G8NB-2S DC12
G8NW-2L DC12	G8NB-2 DC12
G8NW-2L DC12 SK	G8NB-2 DC12
G8NW-2L-AS DC12	G8NB-2 DC12
G8NW-2L-AS SK	G8NB-2S DC12
G8NW-2U DC12 SKL	G8NB-2U DC12
G8ND-2 DC12	G8NDL-2V DC12
G8ND-2 DC12 SK	G8NDL-2V DC12
G8ND-2 DC12 SK K	G8NDL-2V DC12
G8ND-2 DC12 SKL K	G8NDL-2V DC12
G8ND-27SR DC12 SK	G8NDL-27HR DC12
G8ND-2-AS DC12	G8NDL-2V DC12
G8ND-2-AS SK	G8NDL-2V DC12
G8ND-2S DC12	G8NDL-2V DC12
G8ND-2S DC12 SK K	G8NDL-2V DC12
G8ND-2S-AS DC12	G8NDL-2V DC12
G8ND-2S-AS SK	G8NDL-2V DC12

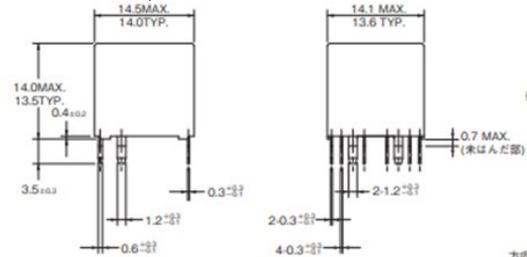
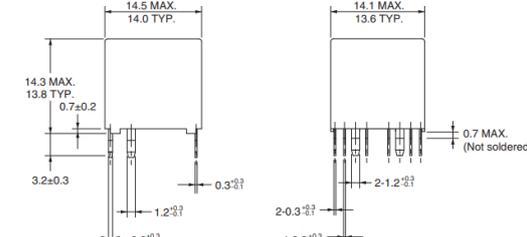
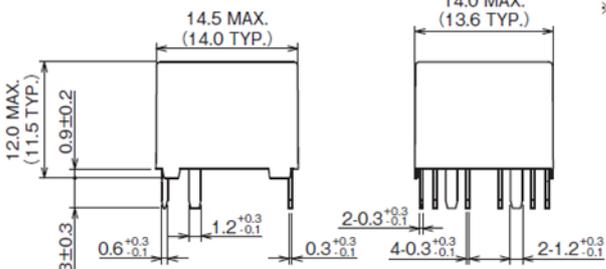
[Body color]

Product discontinuation Model G8NW series	Recommendable replacement Model G8NB-2 series
<p>Case color light gray G8NW-2 G8NW-2L G8NW-2H G8NW-2U</p> 	<p>Case color Dark gray G8NB-2 G8NB-2S G8NB-2U</p> 

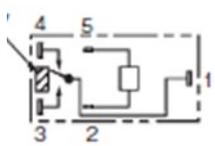
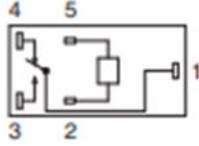
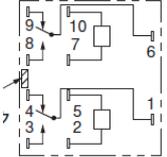
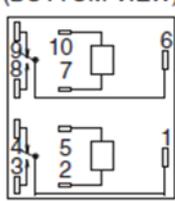
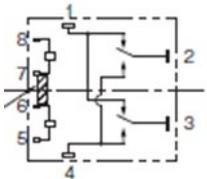
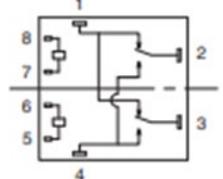
[Dimensions]

Product discontinuation Model G8N series	Recommendable replacement Model G8NB-1 series
 <p>Dimensions for Model G8N series: 14.3 MAX. (14.0 TYP.), 13.8 MAX. (13.5 TYP.), 0.4 ±0.2, 4 ±0.2, 3.5 ±0.3, 8.4 ±0.2, 0.3 ±0.1, 7.5 MAX. (7.2 TYP.), 2.5 MIN. (端子はんだ上げ), 4.8 ±0.2, 1.2 ±0.1, 0.6 ±0.1.</p>	 <p>Dimensions for Model G8NB-1 series: 14.3 MAX. (14.0 TYP.), 14.5 MAX. (14.0 TYP.), 0.7 ±0.2, 2.8 ±0.4, 2.0 ±0.1, 0.3 ±0.1, 2.0 ±0.1, 7.5 MAX. (7.2 TYP.), 1.2 ±0.1, 2.1 ±0.1, 2.0 ±0.1.</p>

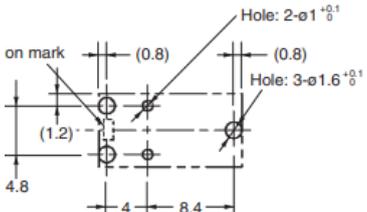
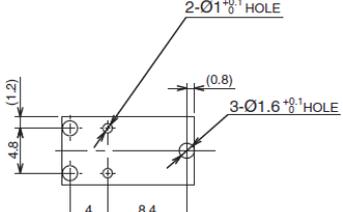
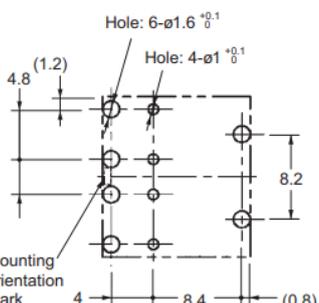
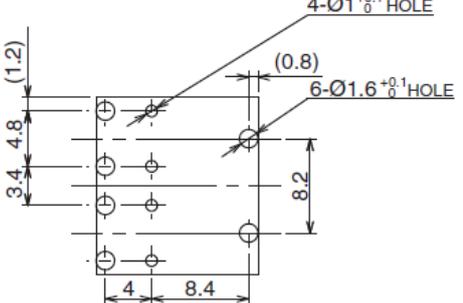
Product discontinuation Model G8NW series	Recommendable replacement Model G8NB-2 series
 <p>Dimensions for Model G8NW series: 14.3 MAX. (14.0 TYP.), 13.8 MAX. (13.5 TYP.), 0.4 ±0.2, 4 ±0.2, 3.5 ±0.3, 8.4 ±0.2, 0.3 ±0.1, 15.7 MAX. (15.4 TYP.), 2.5 MIN. (端子はんだ上げ), 4.8 ±0.2, 4.0 ±0.2, 2.1 ±0.1, 4.0 ±0.2.</p>	 <p>Dimensions for Model G8NB-2 series: 14.3 MAX. (14.0 TYP.), 14.5 MAX. (14.0 TYP.), 0.7 ±0.2, 2.8 ±0.4, 4.0 ±0.1, 4.0 ±0.1, 15.7 MAX. (15.4 TYP.), 4.1 ±0.1, 4.0 ±0.1, 2.1 ±0.1.</p>

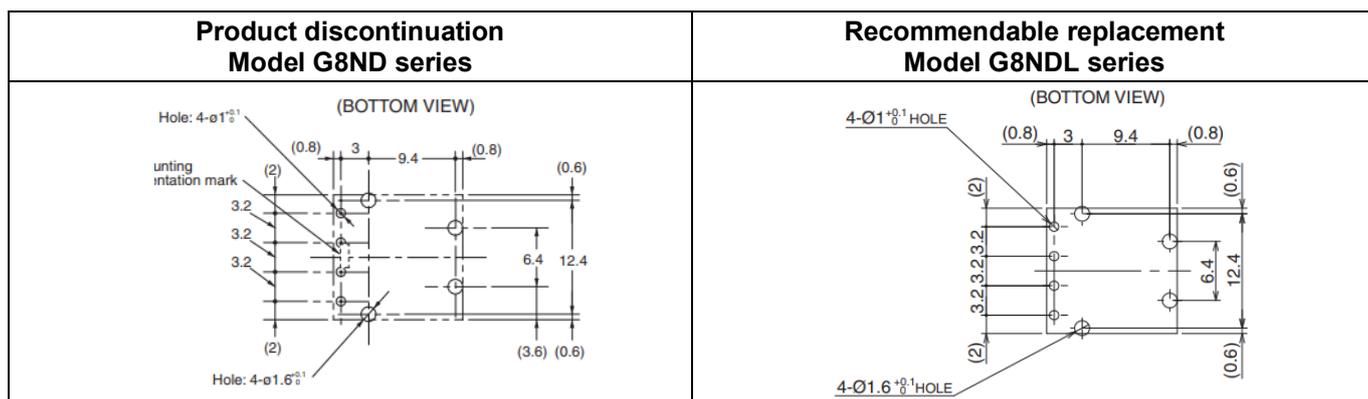
Product discontinuation Model G8ND series	Recommendable replacement Model G8NDL series
<p>Model G8ND-2, 2S</p>  <p>Model G8ND-27SR</p>  <p>Dimensions for Model G8ND series: 14.5 MAX. (14.0 TYP.), 14.0 MAX. (13.6 TYP.), 14.0 MAX. (13.5 TYP.), 0.4 ±0.2, 3.5 ±0.3, 1.2 ±0.1, 0.3 ±0.1, 2.0 ±0.1, 4.0 ±0.1, 0.7 MAX. (未はんだ部), 2.1 ±0.1, 4.0 ±0.1, 14.3 MAX. (13.8 TYP.), 0.7 ±0.2, 3.2 ±0.3, 1.2 ±0.1, 0.3 ±0.1, 2.0 ±0.1, 4.0 ±0.1, 0.7 MAX. (Not soldered), 2.1 ±0.1.</p>	 <p>Dimensions for Model G8NDL series: 14.5 MAX. (14.0 TYP.), 12.0 MAX. (11.5 TYP.), 0.9 ±0.2, 3 ±0.3, 0.6 ±0.1, 1.2 ±0.1, 0.3 ±0.1, 2.0 ±0.1, 4.0 ±0.1, 2.1 ±0.1, 14.0 MAX. (13.6 TYP.), 0.7 MAX. (Not soldered), 2.1 ±0.1.</p>

[Wire connection]

<p align="center">Product discontinuation Model G8N series</p> <p align="center">(BOTTOM VIEW)</p> 	<p align="center">Recommendable replacement Model G8NB-1 series</p> <p align="center">(BOTTOM VIEW)</p> 
<p align="center">Product discontinuation Model G8NW series</p> <p align="center">(BOTTOM VIEW)</p> 	<p align="center">Recommendable replacement Model G8NB-2 series</p> <p align="center">(BOTTOM VIEW)</p> 
<p align="center">Product discontinuation Model G8ND series</p> <p align="center">(BOTTOM VIEW)</p> 	<p align="center">Recommendable replacement Model G8NDL series</p> <p align="center">(BOTTOM VIEW)</p> 

[Mounting dimensions]

<p align="center">Product discontinuation Model G8N series</p> <p align="center">(BOTTOM VIEW)</p> 	<p align="center">Recommendable replacement Model G8NB-1 series</p> <p align="center">(BOTTOM VIEW)</p> 
<p align="center">Product discontinuation Model G8NW series</p> <p align="center">(BOTTOM VIEW)</p> 	<p align="center">Recommendable replacement Model G8NB-2 series</p> <p align="center">(BOTTOM VIEW)</p> 



[Characteristics]/ [Operation ratings]

Model G8N series

Series		Product discontinuation Model G8N series			Recommendable replacement Model G8NB-1 series		
Contact	Type	G8N-1,1L	G8N-1S,1H	G8N-1U	G8NB-1	G8NB-1S	G8NB-1U
	Max. contact current	30A			30A		
	Carrying current(at 20°C)	5A			5A		
	Contact resistance	50mΩ max. (5VDC 1A)			50mΩ max. (5VDC 1A)		
	Minimum switching current	1A (12VDC)			1A (12VDC)		
	Operate time at20°C	Max.10ms			Max.10ms		
	Release time at20°C	Max.5ms			Max.5ms		
Coil	Rated voltage	12VDC			12V DC		
	Service voltage range	10 to 16VDC			10 to 16VDC		
	Coil resistance	225Ω	180Ω	130Ω	225Ω	180Ω	130Ω
	Rated power consumption	640mW	800mW	1108mΩ	640mW	800mW	1108mΩ
	Operating voltage	7.2V max.	6.5V max.	5.5V max.	7.2V max.	6.5V max.	5.5V max.
	Release voltage	1.0V min.		0.8V min.	1.0V min.		0.8V min.
Endurance (Lifetime)	Mechanical	1,000,000 operations (switching frequency : 300 times/min)			1,000,000 operations (switching frequency : 300 times/min)		
	Electrical (Motor load lock) N.O.side : at25A ,14VDC	100,000 times min. (1.0s ON/9.0s OFF)			100,000 times min. (1.0s ON/9.0s OFF)		
Shock resistance	Malfunction (Detecting time:1ms)	100 m/s ² (Operating time:11ms)			100 m/s ² (Operating time:11ms)		
	Durability	1,000 m/s ² (Operating time:6ms)			1,000 m/s ² (Operating time:6ms)		
Vibration resistance	Malfunction (Detecting time:1ms)	10~400Hz 45m/s ²			10~400Hz 45m/s ²		
	Durability	33Hz 45m/s ²			33Hz 45m/s ²		
Operating temp. range		-40°C to +85°C/105°C(Only type L and H)			-40°C to +105°C		
Weight		Approx. 4.0g			Approx. 4.0g		

Model G8NW series

Series		Product discontinuation Model G8NW series			Recommendable replacement Model G8NB-2 series		
Contact	Type	G8NW-2,2L	G8NW-2S,2H	G8NW-2U	G8NB-2	G8NB-2S	G8NB-2U
	Max. contact current	30A			30A		
	Carrying current(at 20°C)	5A			5A		
	Contact resistance	50mΩ max. (5VDC 1A)			50mΩ max. (5VDC 1A)		
	Minimum switching current	1A (12VDC)			1A (12VDC)		
	Operate time at20°C	Max.10ms			Max.10ms		
	Release time at20°C	Max.5ms			Max.5ms		
Coil	Rated voltage	12V DC			12V DC		
	Service voltage range	10 to 16VDC			10 to 16VDC		
	Coil resistance	225Ω	180Ω	130Ω	225Ω	180Ω	130Ω
	Rated power consumption	640mW	800mW	1108mΩ	640mW	800mW	1108mΩ
	Operating voltage	7.2V max.	6.5V max.	5.5V max.	7.2V max.	6.5V max.	5.5V max.
	Release voltage	1.0V min.		0.8V min.	1.0V min.		0.8V min.
Endurance (Lifetime)	Mechanical	1,000,000 operations (switching frequency : 300 times/min)			1,000,000 operations (switching frequency : 300 times/min)		
	Electrical (Motor load lock) N.O.side : at25A ,14VDC	100,000 times min. (1.0s ON/9.0s OFF)			100,000 times min. (1.0s ON/9.0s OFF)		
Shock resistance	Malfunction (Detecting time:1ms)	100 m/s ² (Operating time:11ms)			100 m/s ² (Operating time:11ms)		
	Durability	1,000 m/s ² (Operating time:6ms)			1,000 m/s ² (Operating time:6ms)		
Vibration resistance	Malfunction (Detecting time:1ms)	10~400Hz 45m/s ²			10~400Hz 45m/s ²		
	Durability	33Hz 45m/s ²			33Hz 45m/s ²		
Operating temp. range		-40°C to +85°C/105°C(Only type L and H)			-40°C to +105°C		
Weight		Approx. 8.0g			Approx. 8.0g		

Model G8ND series

Series		Product discontinuation Model G8ND series		Recommendable replacement Model G8NDL series		
Type		flow	G8ND-2	G8ND-2S	G8NDL-2V	G8NDL-2H
		Re-flow	G8ND-27R	G8ND-27SR	-	G8NDL-27HR
Contact	Max. contact current	30A		30A		
	Max. carrying current(at 20°C)	25A, DC14V,10min		25A, DC12V, 2mins		
	Contact resistance	50mΩ (DC5V 1A)		50mΩ (DC5V 1A)		
	Minimum switching current	1A (12VDC)		1A (12VDC)		
	Operate time at20°C	10ms max.		10ms max.		
	Release time at20°C	5ms max.		5ms max.		
Coil	Rated voltage	12V DC		12V DC		
	Service voltage range	10 to 16VDC		10 to 16 VDC		
	Coil resistance	225Ω	180Ω	135Ω	115Ω	
	Rated power consumption	640mW	800mW	1067mW	1252mW	
	Operating voltage	7.2V max.	6.5V max.	6.5V max.	5.9V max.	
	Release voltage	1.0V min.		0.9V min.		
Endurance (Lifetime)	Mechanical	1,000,000 operations (switching frequency : 300 times/min)		1,000,000 operations (switching frequency : 300 times/min)		
	Electrical (Motor load lock) N.O.side : at25A ,14VDC	100,000 times min. (0.25s ON/9.75s OFF)		100,000 times min. (0.25s ON/9.75s OFF)		
Shock resistance	Malfunction (Detecting time:1ms)	100 m/s ² (Operating time:11ms)		100 m/s ² (Operating time:11ms)		
	Durability	1,000 m/s ² (Operating time:6ms)		1,000 m/s ² (Operating time:6ms)		
Vibration resistance	Malfunction (Detecting time:1ms)	10-400 Hz 45m/s ²		10-400 Hz 45m/s ²		
	Durability	33 Hz 45m/s ²		33 Hz 45m/s ²		
Operating temp. range		-40°C to +85°C		-40°C to +105°C/125°C(Only27HR)		
Weight		Approx. 6.0g		Approx. 6.0g		

[Operation methods]

No change to Operation methods

Specifications and prices 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.