

Product Discontinuation Notice

Issue Date
June, 2023

Product Discontinuation

Solid-state Relay

G3TB series



Recommended Replacement

Solid-state Relay & Socket

**G3R-I/O series
& P2R-05P**



[Final order entry date]

The end of March, 2024

[Date of The Last Shipping]

The end of June, 2024

[Caution on recommended replacement]

Big change of mounting dimensions and wiring method.

Especially, recommended replacement model G3R-I/O is not mounted. Printed board by single item.

[Difference from discontinued product]

Recommended replacement Model	Body Color	Dimensions	Wire connection	Mounting Dimensions	Characteristics	Operation ratings	Operation methods
G3R-IAZR1SN-UTU AC100-240 & P2R-05P	--	--	--	--	*	*	*
G3R-IDZR1SN-UTU DC5 & P2R-05P	--	--	--	--	*	*	*
G3R-IDZR1SN-UTU DC12-24 & P2R-05P	--	--	--	--	*	*	*
G3R-OA202SZN-UTU DC5-24 & P2R-05P	--	--	--	--	*	*	*
G3R-OA202SLN-UTU DC5-24 & P2R-05P	--	--	--	--	*	*	*
G3R-ODX02SN-UTU DC5-24 & P2R-05P	--	--	--	--	*	*	*
G3R-OD201SN-UTU DC5-24 & P2R-05P	--	--	--	--	*	*	*

** : Compatible

* : The change is a little/Almost compatible

-- : Not compatible

- : No corresponding specification

[Product Discontinuation and recommended replacement]

Product discontinuation	Recommended replacement
G3TB-IAZR02P AC100-240	G3R-IAZR1SN-UTU AC100-240 & P2R-05P
G3TB-IAZR02P-US AC100-240	
G3TB-IDZR02P DC5-24	G3R-IDZR1SN-UTU DC5 & P2R-05P or G3R-IDZR1SN-UTU DC12-24 & P2R-05P
G3TB-IDZR02P-US DC5-24	
G3TB-OA202PZ DC5-24	G3R-OA202SZN-UTU DC5-24 & P2R-05P
G3TB-OA203PZ DC5-24	
G3TB-OA203PZ-US DC5-24	
G3TB-OA203PZM	
G3TB-OA203PZM-US DC4-24	
G3TB-OA203PL DC5-24	G3R-OA202SLN-UTU DC5-24 & P2R-05P
G3TB-OA203PL-US DC5-24	
G3TB-OA203PLM	
G3TB-OA203PLM-US DC4-24	
G3TB-ODX03P DC5-24	G3R-ODX02SN-UTU DC5-24 & P2R-05P
G3TB-ODX03P-US DC5-24	
G3TB-ODX03PM	
G3TB-ODX03PM-US DC4-24	
G3TB-OD201P DC5-24	G3R-OD201SN-UTU DC5-24 & P2R-05P
G3TB-OD201P-US DC5-24	
G3TB-OD201PM	

[Body color]

Product discontinuation Model G3TB series	Recommendable replacement Model G3R-I/O & P2R-05P
G3TB-IA 	G3R-I/O 
G3TB-ID 	P2R-05P 
G3TB-OA (-M model is no-indicator) 	
G3TB-OD (-M model is no-indicator) 	

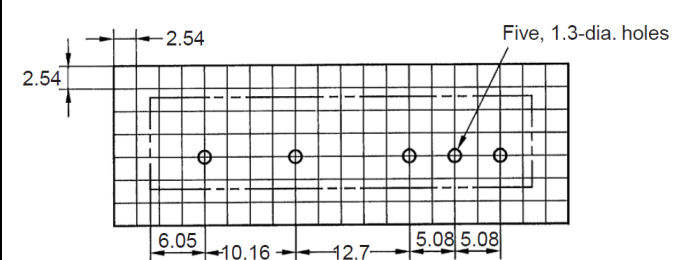
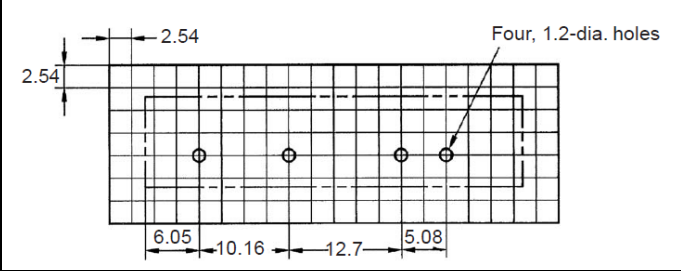
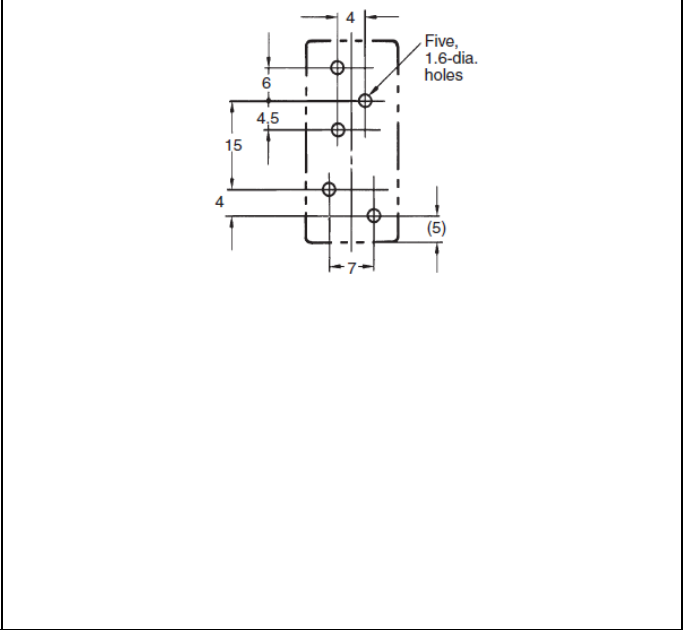
[Dimensions]

Product discontinuation Model G3TB series	Recommendable replacement Model G3R-I/O & P2R-05P
G3TB-I G3TB-O	G3R-I/O P2R-05P G3R-I/O & P2R-05P

[Wire connection]

Product discontinuation Model G3TB series	Recommendable replacement Model G3R-I/O & P2R-05P
G3TB-I Terminal Arrangement (Bottom View) G3TB-O Terminal Arrangement (Bottom View) Note: Z₁, Z₂, and Z refer to overvoltage absorption elements that you should connect.	G3R-I/O Terminal Arrangement/ Internal Connections (Bottom View) The information in parentheses in for a DC output. P2R-05P Terminal Arrangement (Bottom View)

[Mounting dimensions]

Product discontinuation Model G3TB series	Recommendable replacement Model G3R-I/O & P2R-05P
G3TB-I PCB Dimensions (Bottom View)  Diagram showing the PCB dimensions for the G3TB-I model. The PCB is rectangular with a grid. Dimensions include a 2.54mm offset from the top and left edges, a total width of 25.4mm, and a total length of 45.0mm (6.05 + 10.16 + 12.7 + 5.08 + 5.08). There are five 1.3-dia. holes arranged in a horizontal row. G3TB-O PCB Dimensions (Bottom View)  Diagram showing the PCB dimensions for the G3TB-O model. The PCB is rectangular with a grid. Dimensions include a 2.54mm offset from the top and left edges, a total width of 25.4mm, and a total length of 35.0mm (6.05 + 10.16 + 12.7 + 5.08). There are four 1.2-dia. holes arranged in a horizontal row.	P2R-05P Mounting Holes (Bottom View)  Diagram showing the mounting hole dimensions for the P2R-05P model. The PCB is rectangular with a grid. Dimensions include a 4mm offset from the top and left edges, a total width of 25.4mm, and a total length of 35.0mm (6 + 4.5 + 15 + 4 + 5). There are five 1.6-dia. holes arranged in a horizontal row.

[Characteristics]

Product discontinuation

Model G3TB series

■Rating

●Input module: G3TB-I

Input

Model	Rated voltage	Operating voltage
G3TB-IAZR02P(-US)	100 to 240VAC	80 to 264VAC
G3TB-IDZR02P(-US)	5 to 24V DC	4 to 32VDC

Model	Input current	Must operate voltage	Must release voltage
G3TB-IAZR02P(-US)	5mA max.	80VAC max.	10VAC min.
G3TB-IDZR02P(-US)	5mA max.	4VDC max.	1VDC min.

Output

Model	Logic level supply voltage	Output breakdown voltage	Output current
G3TB-IAZR02P(-US)	4 to 32VDC	32VDC max.	25mA max.
G3TB-IDZR02P(-US)	4 to 32VDC		

●Output module: G3TB-O

Input

Model	Rated voltage	Operating voltage
G3TB-OA203PZ(-US)	5 to 24VDC	4 to 32VDC
G3TB-OA203PZM(-US)	4 to 24VDC	3 to 32VDC
G3TB-OA203PL(-US)	5 to 24VDC	4 to 32VDC
G3TB-OA203PLM(-US)	4 to 24VDC	3 to 32VDC
G3TB-ODX03P(-US)	5 to 24VDC	4 to 32VDC
G3TB-ODX03PM(-US)	4 to 24VDC	3 to 32VDC
G3TB-OD201P(-US)	5 to 24VDC	4 to 32VDC
G3TB-OD201PM(-US)	4 to 24VDC	3 to 32VDC

Model	Input current	Must operate voltage	Must release voltage
G3TB-OA203PZ(-US)	5 mA max.	4 VDC max.	1 VDC min.
G3TB-OA203PZM(-US)		3 VDC max.	
G3TB-OA203PL(-US)		4 VDC max.	
G3TB-OA203PLM(-US)		3 VDC max.	
G3TB-ODX03P(-US)		4 VDC max.	
G3TB-ODX03PM(-US)		3 VDC max.	
G3TB-OD201P(-US)		4 VDC max.	
G3TB-OD201PM(-US)		3 VDC max.	

Output

Model	Rated load voltage	Load voltage range	Load current	Inrush current
G3TB-OA203PZ(-US)	100 to 240 VAC	75 to 264 VAC	0.05 to 3 A	45 A (60 Hz, 1 cycle)
G3TB-OA203PZM(-US)				
G3TB-OA203PL(-US)				
G3TB-OA203PLM(-US)				
G3TB-ODX03P(-US)	5 to 48 VDC	4 to 60 VDC	0.01 to 3 A	18A (10ms)
G3TB-ODX03PM(-US)				
G3TB-OD201P(-US)	48 to 200 VDC	40 to 200 VDC	0.01 to 1.5 A	9A (10ms)
G3TB-OD201PM(-US)				

Recommendable replacement

Model G3R-I/O & P2R-05P

■Rating

入力

形式	定格電圧	使用電圧
形G3R-IAZR1SN-UTU	AC100~240V	AC60~264V
形G3R-IDZR1SN-UTU	DC5V	DC4~6V
形G3R-IDZR1SN-UTU	DC12~24V	DC6.6~32V

形式	入力電流	動作電圧	復帰電圧
形G3R-IAZR1SN-UTU	15mA以下	AC60V以下	AC20V以上
形G3R-IDZR1SN-UTU	8mA以下	DC4V以下	DC1V以上
形G3R-IDZR1SN-UTU		DC6.6V以下	DC3.6V以上

出力

形式	定格電圧	使用電圧
形G3R-IAZR1SN-UTU	DC4~32V	0.1~100mA
形G3R-IDZR1SN-UTU		
形G3R-IDZR1SN-UTU		

Input

Model	Rated voltage	Operating voltage
G3R-OA202SZN-UTU	5 to 24VDC	4 to 32VDC
G3R-OA202SLN-UTU		
G3R-ODX02SN-UTU		
G3R-OD201SN-UTU		

Model	Input current	Operating voltage	Release voltage	
G3R-OA202SZN-UTU	15mA max.	4VDC max.	1VDC min.	
G3R-OA202SLN-UTU	8mA max.			
G3R-ODX02SN-UTU	4VDC max.			
G3R-OD201SN-UTU				

Output

Model	Rated load voltage	Load current	Inrush current
G3R-OA202SZN-UTU	75 to 264 VAC	0.05 to 2 A	30 A (60 Hz, 1 cycle)
G3R-OA202SLN-UTU			
G3R-ODX02SN-UTU	4 to 60 VDC	0.01 to 2 A	8 A (10 ms)
G3R-OD201SN-UTU	40 to 200 VDC	0.01 to 1.5 A	

**Product discontinuation
Model G3TB series**

■ Characteristics

● Input module

Model	G3TB -IAZR02P(-US)	G3TB -IDZR02P(-US)
Operate time	20 ms max.	1 ms max.
Release time	20 ms max.	1 ms max.
Output ON voltage drop	0.4 V max.	
Leakage current	100 µA max.	
Insulation resistance	100 MΩ min. (at 500 VDC)	
Dielectric strength	4,000 VAC, 50/60 Hz for 1 min between input and output	
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude	
Shock resistance	1,000 m/s ²	
Storage temperature	-30°C to 100°C	
Ambient temperature	-30°C to 80°C	
Ambient humidity	45% to 85%RH	
Weight	Approx. 22 g	

● Output module

Output module

Model	G3TB -OA203PZ (-US)	G3TB -OA203PL (-US)	G3TB -ODX03P (-US)	G3TB -OD201P (-US)
Item	G3TB -OA203PZM (-US)	G3TB -OA203PLM (-US)	G3TB -ODX03PM (-US)	G3TB -OD201PM (-US)
Operate time	1/2 of load power source cycle +1 ms max.	1 ms max.	0.5 ms max.	
Release time	1/2 of load power source cycle +1 ms max.		2 ms max.	
Output ON voltage drop	1.6V(RMS) max.		1.6V max.	2.5V max.
Leakage current	5 mA max. (at 200 VAC)		1 mA max.	
Insulation resistance	100 MΩ min. (at 500 VDC)			
Dielectric strength	4,000 VAC, 50/60 Hz for 1 min between input and output			
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude			
Shock resistance	1,000 m/s ²			
Storage temperature	-30°C to 100°C			
Ambient temperature	-30°C to 80°C			
Ambient humidity	45% to 85%RH			
Weight	Approx. 32 g			

Safety standard (-US type only)
UL File No.E41515
CSA Report No. LR35535

**Recommendable replacement
Model G3R-I/O & P2R-05P**

■ Characteristics

Item	G3R-IAZR1SN-UTU	G3R-IDZR1SN-UTU
Model		
Operate time	20 ms max.	0.1 ms max.
Release time	20 ms max.	0.1 ms max.
Output ON voltage drop	1.6 V max.	
Leakage current	5 µA max.	
Insulation resistance	100 MΩ min. between I/O	
Dielectric strength	4,000 VAC for 1 min. between I/O	
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude	
Shock resistance	1,000m/s ²	
Storage temperature	-30 to 100°C	
Ambient operating temperature	-30°C to 80°C	
Ambient operating humidity	45% to 85%RH	
Weight	Approx. 18 g +P2RF-05P Approx. 5g	

Item Model	G3R -OA202SZN -UTU	G3R -OA202SLN -UTU	G3R -ODX02SN -UTU	G3R -OD201SN -UTU
Operate time	1/2 of load power source cycle + 1 ms max.	1 ms max.		
Release time	1/2 of load power source cycle + 1 ms max.		2 ms max.	
Output ON voltage drop	1.6 V (RMS) max.			2.5V max.
Leakage current	1.5mA max.		1mA max.	
Insulation resistance	100 MΩ min. (at 500 VDC)			
Dielectric strength	4,000V AC, 50/60Hz 1min between input and output			
Vibration resistance	10 to 55 to 10 Hz, 0.75-mm single amplitude			
Shock resistance	1,000 m/s2			
Storage temperature	-30~+100°C			
Ambient operating temperature	-30°C to 80°C			
Ambient operating humidity	45% to 85%RH			
Weight	Approx. 18 g + P2RF-05P Approx. 5g			

Safety standard
UL File No.E46562
CSA Report No. 203874
EN TUV(EN62314)

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