

Product Discontinuation Notice

November 2009

Solid State Relay

No.ICDRY-080040

Solid State Relays (Single-phase) G3PB series

Solid State Contactors (Three-phase) G3PB-2(N)/-3(N) series

Product Discontinuation



Solid State Relays
Solid State contactors

G3PB series
G3PB-2(N)/-3(N) series



Recommended Replacement

Solid State Relays
Solid State contactors

G3PE series
G3PE-2(N)/-3(N) series

Discontinuation date : The end of March, 2010

Caution on recommended replacement

- The shape of terminal cover is a little different
- The height is 3.5mm taller.(G3PB-□□□B-2(H)(N)-VD and G3PB-□□□B-3(H)(N)-VD series only)
- UL and CSA have not been approved yet. (Except G3PB-2□□B-VD single-phase models)
- UL derating spec. is needed.
(G3PB-435B-3-VD,G3PB-445B-3-VD,G3PB-535B-3N-VD and G3PB-545B-3N-VD only)

Difference from discontinued product

Model	Body Color	Dimensions	Wire connection	Mounting Dimentions	Characteristics	Operation ratings	Operation methods
G3PE	**	**	*	**	**	**	**
G3PE-2(N)/-3(N)	**	**	*	**	**	**	**

** : Fully compatible

* : The change is a little / Almost compatible

-- : Not compatible

- : No corresponding specification

Product Discontinuation and recommended replacement

Product discontinuation (G3PB)	Recommended replacement (G3PE)
G3PB-215B-VD DC12-24	G3PE-215B DC12-24
G3PB-225B-VD DC12-24	G3PE-225B DC12-24
G3PB-235B-VD DC12-24	G3PE-235B DC12-24
G3PB-245B-VD DC12-24	G3PE-245B DC12-24
G3PB-515B-VD DC12-24	G3PE-515B DC12-24
G3PB-525B-VD DC12-24	G3PE-525B DC12-24
G3PB-535B-VD DC12-24	G3PE-535B DC12-24
G3PB-545B-VD DC12-24	G3PE-545B DC12-24
G3PB-215B-2-VD DC12-24	G3PE-215B-2 DC12-24
G3PB-225B-2-VD DC12-24	G3PE-225B-2 DC12-24
G3PB-235B-2-VD DC12-24	G3PE-235B-2 DC12-24
G3PB-245B-2-VD DC12-24	G3PE-245B-2 DC12-24
G3PB-215B-3-VD DC12-24	G3PE-215B-3 DC12-24
G3PB-225B-3-VD DC12-24	G3PE-225B-3 DC12-24
G3PB-235B-3-VD DC12-24	G3PE-235B-3 DC12-24
G3PB-245B-3-VD DC12-24	G3PE-245B-3 DC12-24
G3PB-415B-2-VD DC12-24	G3PE-515B-2 DC12-24
G3PB-425B-2-VD DC12-24	G3PE-525B-2 DC12-24
G3PB-435B-2-VD DC12-24	G3PE-535B-2 DC12-24
G3PB-445B-2-VD DC12-24	G3PE-545B-2 DC12-24
G3PB-415B-3-VD DC12-24	G3PE-515B-3 DC12-24
G3PB-425B-3-VD DC12-24	G3PE-525B-3 DC12-24
G3PB-435B-3-VD DC12-24	G3PE-535B-3 DC12-24
G3PB-445B-3-VD DC12-24	G3PE-545B-3 DC12-24
G3PB-215B-2N-VD DC12-24	G3PE-215B-2N DC12-24
G3PB-225B-2N-VD DC12-24	G3PE-225B-2N DC12-24
G3PB-235B-2N-VD DC12-24	G3PE-235B-2N DC12-24
G3PB-245B-2N-VD DC12-24	G3PE-245B-2N DC12-24
G3PB-215B-3N-VD DC12-24	G3PE-215B-3N DC12-24
G3PB-225B-3N-VD DC12-24	G3PE-225B-3N DC12-24
G3PB-235B-3N-VD DC12-24	G3PE-235B-3N DC12-24
G3PB-245B-3N-VD DC12-24	G3PE-245B-3N DC12-24

Product discontinuation (G3PB)	Recommended replacement (G3PE)
G3PB-515B-2N-VD DC12-24	G3PE-515B-2N DC12-24
G3PB-525B-2N-VD DC12-24	G3PE-525B-2N DC12-24
G3PB-535B-2N-VD DC12-24	G3PE-535B-2N DC12-24
G3PB-545B-2N-VD DC12-24	G3PE-545B-2N DC12-24
G3PB-515B-3N-VD DC12-24	G3PE-515B-3N DC12-24
G3PB-525B-3N-VD DC12-24	G3PE-525B-3N DC12-24
G3PB-535B-3N-VD DC12-24	G3PE-535B-3N DC12-24
G3PB-545B-3N-VD DC12-24	G3PE-545B-3N DC12-24
G3PB-215B-2H-VD DC12-24	G3PE-215B-2H DC12-24
G3PB-225B-2H-VD DC12-24	G3PE-225B-2H DC12-24
G3PB-235B-2H-VD DC12-24	G3PE-235B-2H DC12-24
G3PB-245B-2H-VD DC12-24	G3PE-245B-2H DC12-24
G3PB-215B-3H-VD DC12-24	G3PE-215B-3H DC12-24
G3PB-225B-3H-VD DC12-24	G3PE-225B-3H DC12-24
G3PB-235B-3H-VD DC12-24	G3PE-235B-3H DC12-24
G3PB-245B-3H-VD DC12-24	G3PE-245B-3H DC12-24
G3PB-415B-2H-VD DC12-24	G3PE-515B-2H DC12-24
G3PB-425B-2H-VD DC12-24	G3PE-525B-2H DC12-24
G3PB-435B-2H-VD DC12-24	G3PE-535B-2H DC12-24
G3PB-445B-2H-VD DC12-24	G3PE-545B-2H DC12-24
G3PB-415B-3H-VD DC12-24	G3PE-515B-3H DC12-24
G3PB-425B-3H-VD DC12-24	G3PE-525B-3H DC12-24
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G3PB-525B-2H-VD DC12-24	G3PE-525B-2H DC12-24
G3PB-535B-2H-VD DC12-24	G3PE-535B-2H DC12-24
G3PB-545B-2H-VD DC12-24	G3PE-545B-2H DC12-24
G3PB-515B-3H-VD DC12-24	G3PE-515B-3H DC12-24
G3PB-525B-3H-VD DC12-24	G3PE-525B-3H DC12-24
G3PB-535B-3H-VD DC12-24	G3PE-535B-3H DC12-24
G3PB-545B-3H-VD DC12-24	G3PE-545B-3H DC12-24

Dimensions

(Relevant model : G3PB-215B/225B/515B/-VD)

Product discontinuation	Recommended replacement
	Note : The change of terminal cover to improve finger protection.

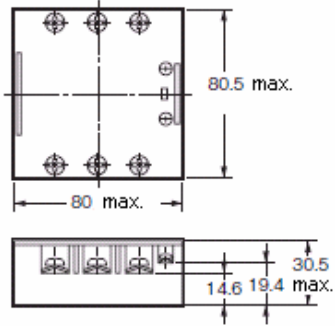
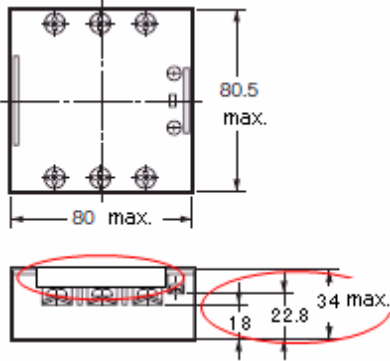
Dimensions

(Relevant model : G3PB-235B/245B/535B/545B-VD)

Product discontinuation	Recommended replacement
	Note : The change of terminal cover to improve finger protection.

Dimensions

(Relevant model : G3PB-2□□B-2(H)(N)-VD、G3PB-2□□B-3(H)(N)-VD、
G3PB-4□□B-2(H)-VD、G3PB-4□□B-3(H)-VD
G3PB-5□□B-2(H)(N)-VD and G3PB-5□□B-3(H)(N)-VD)

Product discontinuation	Recommended replacement
	 Note 1) The change of terminal cover to improve finger protection. 2) Height change
Size of heat-sink is the same	

Characteristics

(Relevant model : G3PB-4□□B-2(H)-VD and G3PB-4□□B-3(H)-VD)

Product discontinuation	Recommended replacement
1. Rated load voltage : AC200V~400V (50/60Hz)	1. AC200V~480V (50/60Hz)
2. Load voltage range : AC180V~440V (50/60Hz)	2. AC180V~528V (50/60Hz)

Characteristics

(Relevant model : G3PB-445B-3-VD、G3PB-435B-3-VD、G3PB-545B-3N-VD
and G3PB-535B-3N-VD)

Product discontinuation	Recommended replacement																														
Load Current vs. Ambient Temperature <table border="1"><caption>Load Current vs. Ambient Temperature Data (Discontinued Products)</caption><thead><tr><th>Ambient temperature (°C)</th><th>G3PB-445B-3-VD, G3PB-545B-3N-VD (A)</th><th>G3PB-435B-3-VD (A)</th><th>G3PB-535B-3N-VD (A)</th></tr></thead><tbody><tr><td>-30 to 25</td><td>45</td><td>35</td><td>30</td></tr><tr><td>25 to 80</td><td>18</td><td>14</td><td>10</td></tr></tbody></table>	Ambient temperature (°C)	G3PB-445B-3-VD, G3PB-545B-3N-VD (A)	G3PB-435B-3-VD (A)	G3PB-535B-3N-VD (A)	-30 to 25	45	35	30	25 to 80	18	14	10	1. Non UL certification spec. Note: The same spec. as the present model. <table border="1"><caption>Load Current vs. Ambient Temperature Data (Non UL certification spec.)</caption><thead><tr><th>Ambient temperature (°C)</th><th>G3PE-545B-3(N) (A)</th><th>G3PE-535B-3(N) (A)</th></tr></thead><tbody><tr><td>-30 to 25</td><td>45</td><td>35</td></tr><tr><td>25 to 80</td><td>18</td><td>14</td></tr></tbody></table> 2. UL certification spec. (Draft) Note : UL certification process is proceeding with the spec. below. (UL has not been approved yet.) <table border="1"><caption>Load Current vs. Ambient Temperature Data (UL derating spec.)</caption><thead><tr><th>Ambient temperature (°C)</th><th>G3PE-545B-3(N) (A)</th><th>G3PE-535B-3(N) (A)</th></tr></thead><tbody><tr><td>-30 to 25</td><td>45</td><td>35</td></tr><tr><td>25 to 80</td><td>12</td><td>10</td></tr></tbody></table> < UL derating spec.>	Ambient temperature (°C)	G3PE-545B-3(N) (A)	G3PE-535B-3(N) (A)	-30 to 25	45	35	25 to 80	18	14	Ambient temperature (°C)	G3PE-545B-3(N) (A)	G3PE-535B-3(N) (A)	-30 to 25	45	35	25 to 80	12	10
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Safety standard

(Relevant model : G3PB-5□□B-VD、G3PB-2□□B-2(H)(N)-VD、
G3PB-2□□B-3(H)(N)-VD、G3PB-4□□B-2(H)-VD、
G3PB-4□□B-3(H)-VD、G3PB-5□□B-2(H)(N)-VD
and G3PB-5□□B-3(H)(N)-VD)

Product discontinuation	Recommended replacement
UL、CSA and EN (VDE) approval	• EN (TUV) approval • UL and CSA have not been approved yet (Now, certification process is proceeding.)

RoHS

(Relevant model : All models, except G3PB-215B-VD and G3PB-225B-VD)

Product discontinuation	Recommended replacement
No RoHS conformance	RoHS conformance

Note : G3PB-215B-VD and G3PB-225B-VD are RoHS conformance models.

Mouser Electronics

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Omron:

[G3PB-225B-VD-DC1224](#) [G3PB-215B-3H-VD-DC12-24](#)