

## Main Specifications of G9KA

Item	Specification			
Rated load	800 / 200 VAC			
Electrical durability @85°C, 800 VAC	Connection	Max. energization	Cutoff	Operation frequency
	150A	200A	200A	10 ops
	50A	200A	50A	30,000 ops
Coil voltage	12 / 24 VDC (Holding voltage 45 to 60%) *5			
Contact resistance (initial value)	0.2mΩ*6			
Contact gap	4.0mm			
Ambient temperature	-40 to 85°C			
Terminal type	For PC board			
Safety standard	TÜV, UL, CQC			

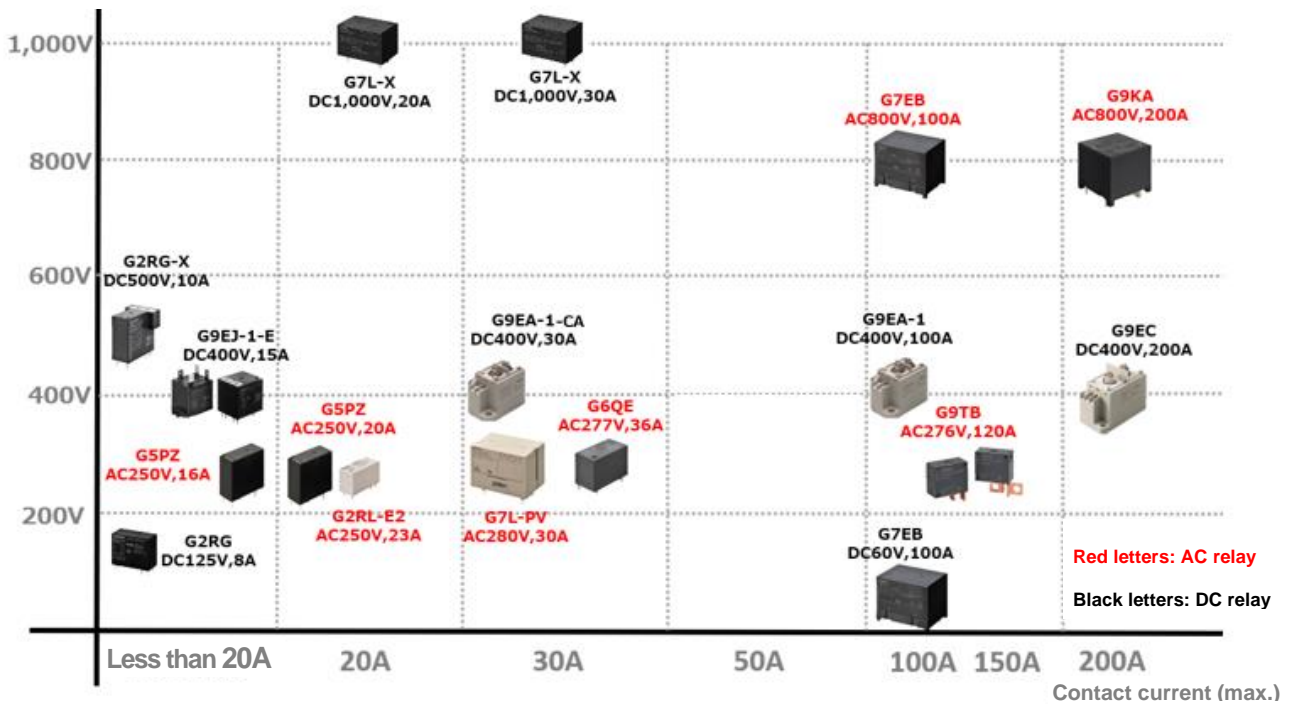
About high power PCB relay G9KA

For more information, please refer to the following link.

<https://components.omron.com/product-detail?partNumber=G9KA>

## OMRON's High Power PCB Relay Lineup

Contact voltage (max.)



## Main Specifications of OMRON's High Power PCB Relays

Item	Specification				
	G6QE	G7EB	G9KA	G2RG-X	G7L-X
Model	G6QE	G7EB	G9KA	G2RG-X	G7L-X
Contact configuration	1a	1a	1a	2a	2a
Contact resistance	100 mΩ or less	5 mΩ or less	0.2 mΩ <sup>*5</sup>	100 mΩ or less	100 mΩ or less
Rated load (resistance load)	250 VAC/36A 250 VAC/32A 250 VAC/30A	480 VAC/100A	800 VAC/200A	500 VDC/10A 500 VDC/ 1A	600 VDC/30A 1000 VDC/25A
Electrical life (resistance load)	250 VAC 30A 100,000 times 250 VAC 32A 50,000 times 250 VAC 36A 10,000 times	480 VAC 100A 300 times 800 VAC Input / Cutoff 40A Energized 100A 30,000 times 60 VDC 100A 400 times 60 VDC 50A 1,000 times 60 VDC 40A 6,000 times	800 VAC Input / Cutoff 50A Energized 200A 30,000 times 800 VAC Input 150A Input / Cutoff 200A 10 times	500 VDC 10A 10,000 times 500 VDC 1A 30,000 times	600 VDC 30A 6,000 times <sup>*7</sup> 600 VDC -30A 5,000 times <sup>*7</sup> 1000 VDC 25A 100 times <sup>*7</sup>
Coil power consumption (W)	1.4 <sup>*8</sup> 0.172 <sup>*9</sup>	2.8	5	0.8	2.3
Ambient temperature	-40 to +60°C <sup>*10</sup>	-40 to +85°C	-40 to +85°C	-40 to +85°C	-40 to +85°C
Dimensions LWH (mm) <sup>*11</sup>	30.5x16x20.5	50.5x37.0x40.5	51x51x47.2	29x23.5x29.5	52.5x35.5x41
Terminal type	For PC board	For PC board	For PC board	For PC board	For PC board

Red frame: G9KA to be released this time

For more information about power relays for PC boards, please refer to the following link.

<https://components.omron.com/parametric-search?nodeId=102010&nodeParentId=1020>

<sup>\*5</sup> Use this product with the coil voltage reduced to the holding voltage when energized.

<sup>\*6</sup> 200A, 30 minutes

<sup>\*7</sup> Temperature condition: 85°C

<sup>\*8</sup> When the coil rated voltage is applied

<sup>\*9</sup> When the coil holding voltage is 35%

<sup>\*10</sup> When the coil holding voltage is 35% to 50% (rated ratio)

<sup>\*11</sup> L: Length W: Width H: Height

