

**NO:** REL - 213  
**DATE:** May 2019

**PRODUCT:** G6QE – PCB Power Relay  
**TYPE:** Modification – Updated Contact Ratings

## G6QE PCB Power Relay - Updated Contact Ratings

Through new safety standard ratings obtained, the G6QE relay will be expanding its current ratings from 32A (50,000 operations min.) to 36A (10,000 operations min.) This modification notice will explain the appearance changes of the G6QE relay case. The models to be affected include, but are not limited to the models listed below; should you have any additional questions, however, please communicate with the Relay Product Manager.


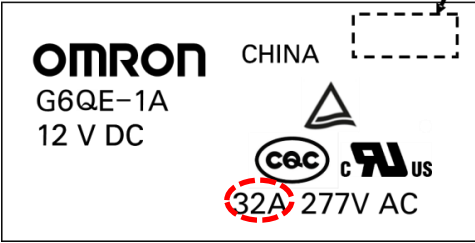

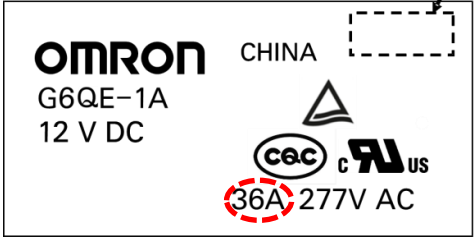


**Effective Date:** March 2019

### G6QE Details of Applicable Models:

MODELS
G6QE-1A DC5 BY OMZ
G6QE-1A DC12 BY OMZ
G6QE-1A DC24 BY OMZ

**Details of the Change:**

Before the change	After the change
<p><b>Contact rating of case marking for safety standards</b> 32A 277V AC</p> <p style="text-align: right;">LOT No. </p>  <p><b>Omron's Rated load</b> 32 A at 250 VAC (Resistive Load).</p> <p><b>Rated carry current</b> 32 A</p> <p><b>Max. switching current</b> AC: 32A</p> <p><b>Omron's Electrical durability</b> 100,000 operations min. (30 A, 250 VAC, resistive load) 50,000 operations min. (32 A, 250 VAC, resistive load) (ON for 1 s and OFF for 9 s.)</p>	<p><b>Contact rating of case marking for safety standards</b> 36A 277V AC</p> <p style="text-align: right;">LOT No. </p>  <p><b>Omron's Rated load</b> 36 A at 250 VAC (Resistive Load). 32 A at 250 VAC (Resistive Load). 30 A at 250 VAC (Resistive Load).</p> <p><b>Rated carry current</b> 36 A</p> <p><b>Max. switching current</b> AC: 36A</p> <p><b>Omron's Electrical durability</b> 100,000 operations min. (30 A, 250 VAC, resistive load) 50,000 operations min. (32 A, 250 VAC, resistive load) 10,000 operations min. (36 A, 250 VAC, resistive load) (ON for 1 s and OFF for 9 s.)</p>
<p><b>Coil holding voltage</b> 35% to 80% of rated coil voltage (contact carrying current 32 A, at 85 °C)</p> <p><b>Ambient operating temperature</b> -40°C to +60°C (when applying rated coil voltage) -40°C to +85°C (when applying holding voltage at 35% to 80%) (with no icing or condensation)</p>	<p><b>Coil holding voltage</b> 35% to 80% of rated coil voltage (contact carrying current 32 A, at 85 °C) 35% to 50% of rated coil voltage (contact carrying current 36 A, at 85 °C)</p> <p><b>Ambient operating temperature</b> -40°C to +60°C (When applying rated coil voltage) -40°C to +85°C (contact carrying current 32 A, when applying holding voltage at 35% to 80%) (contact carrying current 36 A, when applying holding voltage at 35% to 50%) (with no icing or condensation)</p>

\*There are no internal structure or material changes in the addition to the product specification changes.

\* Sales teams should communicate this modification with their OEM's and CEM's.  
For further technical support and any questions, please communicate with Product Marketing.

Specifications 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. This PCN is intended for use in the Americas