Panasonic Industry Europe GmbH

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**New miniature MOSFET relays feature high capacity, high I/O isolation and high operating temperature**  
Panasonic Industry releases new PhotoMOS® SOP4 AQY212G3HS and AQY232G3HS relays

Munich, october 2023

The recently introduced SOP4 60V miniature package PhotoMOS® MOSFET relays from Panasonic Industry ensure quiet, fast and bounce-free switching. AQY212G3HS and AQY232G3HS relays benefit from high operating temperature levels of up to +105 degrees Celsius and +125 degrees Celsius respectively, allowing them to be used in higher temperature environments than before. They are ideally suited for a wide range of modern industrial equipment, testing, and measuring equipment as well as security and battery operating equipment.

The very compact SOP4 package of the relays achieves an input-output withstand voltage of 3,750 Vrms (conventional 1,500 Vrms) and enables miniaturization of highly insulated equipment. The AQY232G3HS components achieve high-capacity 2 A load control and

AQY212G3HS relays feature 1.8 A load control.

AQY232G3HS components achieve a maximum LED current of 1 mA (1/3 times that of the conventional models). This reduces LED current during use by up to 40% and contributes to lower power consumption for the target applications. In terms of operating time, the AQY232G3HS devices achieve an average of 0.8 ms, which is about 57% of the time of conventional models. The increased speed of the switching operation largely improves the tact time of equipment and systems.

To learn more about Panasonic Industry’s new PhotoMOS® SOP4 AQY212G3HS and AQY232G3HS relays please visit: [PhotoMOS GU Series | Panasonic Industry Europe GmbH](https://industry.panasonic.eu/products/components/relays/photomos-relays/photomos-gu-series)

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the five major operating companies within Panasonic Holding. Panasonic Industry Europe provides products and services for industrial customers all over Europe.   
Panasonic Industry Europe is committed to enabling customers to achieve their goals in a broad range of industrial sectors such as mobility, infrastructure, automation, medical, appliances, smart living, and security. With the know-how of devices and solution technologies, cultivated through a global mindset and over a century of tradition, Panasonic Industry collaborates closely with customers to create a sustainable future.

Panasonic Industry Europe’s broad and diverse product portfolio encompasses key electronic component sectors including electromechanical and passive components, batteries and other energy products, sensors and wireless connectivity modules, thermal management materials and custom solutions, as well as automation devices & solutions.

More about Panasonic Industry Europe: <http://industry.panasonic.eu>

**About the Panasonic Group**

Founded in 1918 and today a global leader in developing innovative technologies and solutions for wide-ranging applications in the consumer electronics, housing, automotive, industry, communications, and energy sectors worldwide, the Panasonic Group switched to an operating company system on April 1, 2022, with Panasonic Holdings Corporation serving as a holding company and eight companies positioned under its umbrella.

The Group reported consolidated net sales of Euro 59.40 billion (8,378.9 billion yen) for the year ended March 31, 2023. To learn more about the Panasonic Group, please visit: <https://holdings.panasonic/global/>