

OMRON launches efficient PWM controlled power relays

Hoofddorp, Netherlands, Tuesday, 8 June 2021 – OMRON Electronic Components Europe has launched PWM controlled versions of three of its most popular power relays offering coil power levels 75-90% lower than comparable standard versions.

OMRON G2RL, G5Q and G5NB relays are now available in types supporting pulse width modulation (PWM) of the coil holding current, reducing the duty cycle and hence the average current. This decreases the power consumption and hence the heat developed in the relay, improving efficiency and reducing thermal load especially in applications where banks of relays are employed.

The high capacity 16A G2RL-PW1, a low profile power relay, just 15.7mm in height, features a coil power consumption of just 100mW, compared to 400mW for the standard version. The SPDT G5Q-PW, a miniature power relay with a 10A switching capacity, has a coil power consumption of just 36mW in PWM form, compared to 400mW for the standard version. The G5NB-PW, an efficient single pole, 3A / 5A relay with a 10kV impulse withstand voltage, offers the lowest coil power consumption of just 32mW, compared to an already efficient 200mW for the standard model. All three families are optionally available in IEC/EN 60335-1 conformant versions.



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About OMRON Electronic Components Europe

OMRON Electronic Components Europe is a leader in electromechanical PCB relays, as well as a leading supplier of components such as micro switches, MOSFET relays, DIP switches, photomicrosensors and connectors. OMRON has a strong portfolio of innovative technologies including MEMS based pressure, flow and thermal measurement sensors, human face and gesture recognition modules, vibration and tilt sensors.

OMRON Electronic Components Europe strongly supports its customers in Western and Eastern Europe, Russia and the CIS through 8 regional offices, a network of local offices and partnerships with specialist, local, regional and global distributors.

OMRON Electronic Components Europe is a subsidiary of the OMRON Corporation, recognised worldwide as a leader of high quality, high technology electrical and electronic control equipment and component products.

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