



Latest 1-Form-B Photorelay from Toshiba Offers 1.2A On-State Current Rating

Düsseldorf, Germany, 01 June 2021 – Toshiba Electronics Europe GmbH (“Toshiba”) has further strengthened its extensive optoelectronics portfolio with the introduction of a new photorelay. Supplied in a compact DIP6 package, the TLP4590A provides engineers with a more convenient and reliable alternative to conventional mechanical relays. This 1-Form-B (normally closed) photorelay has an on-state current rating of 1.2A, which represents a 140% improvement on the company’s previous-generation TLP4176A device. In addition, it has a 60V off-state output terminal voltage rating. Its sensitivity is enhanced thanks to the low trigger LED current of 2mA (maximum) exhibited.

Among the key applications for these photorelays are those relating to building automation - including heating, ventilation, air conditioning and security systems, as well as fire alarms. They can also be used in various forms of industrial equipment, such as programmable logic controllers (PLCs), I/O interfaces and sensor control hardware. Their 5,000Vrms (minimum) isolation voltage allows them to be employed in situations where elevated levels of insulation performance are required, while support for a -40°C to 110°C operational temperature range enables them to be installed within harsh environments.

For more information, please visit: <https://toshiba.semicon-storage.com/eu/semiconductor/product/optoelectronics/photorelay-mosfet-output/detail.TLP4590A.html>

About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) is the European electronic components business of [Toshiba Electronic Devices and Storage Corporation](#) (Toshiba). TEE offers European consumers and businesses a wide variety of innovative hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. The company's broad portfolio encompasses integrated wireless ICs, power semiconductors, microcontrollers, optical semiconductors, ASSPs and discrete devices ranging from diodes to logic ICs.

TEE has headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing design, manufacturing, marketing and sales. The company president is Mr. Tomoaki Kumagai.

For more company information visit TEE's web site at www.toshiba.semicon-storage.com.

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June 2021

Ref. 7339/A_EN