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**High inrush capability, low energy consumption: Latest Polarized Power Relay technology for smart lighting and IoT applications**

Panasonic Industry Europe releases High Inrush Type
DW-YL Polarized Power Relays

Munich, JulY 2024

The DW-YL is Panasonic Industry’s latest addition to the DW range of Polarized Power Relays. Providing an up-to-20A of latching relay functionality, the DW-YL series is specifically designed for demanding applications with high inrush currents: They can handle up to 320A for 1.2ms, making them ideal for capacitive loads and other scenarios where robust inrush current handling is required.

**Key Features**The DW-YL type boasts several outstanding features: Its compact PCB footprint of just 10mm wide ensures minimal space usage, allowing for more efficient design layouts The one or two coil latching design minimizes power consumption nearly to zero, making these relays an energy-efficient choice for applications and devices that are designed to fulfil modern sustainability requirements.

With a TV8 rating, the DW-YL relays offer high performance and durability, capable of handling up to 320A inrush current. Additionally, their low profile of just 15.8mm makes them suitable for applications where space is at a premium. These relays are also UL/C-UL and VDE certified, ensuring compliance with international standards.

**Applications**The DW-YL series is particularly suitable for a variety of applications in lighting, IoT devices, and power distribution units (PDUs). In lighting, these relays can be used in electrical ballasts, smart lighting systems, and LED drivers where high inrush currents are common. For IoT applications, DW-YL relays are ideal for smart plugs and smart switches, providing reliable performance in compact devices. In PDUs, these relays can be used in multi-outlet power strips to ensure safe and efficient power distribution.

Florian Becker, Product Manager at Panasonic Industry Europe, comments, "The DW-YL relays provide our customers with a reliable choice for managing high inrush currents within a compact design." He further notes, "and it’s not only about safety and durability, but thanks to the Polarized Power Relay principle, it also contributes to significant energy savings in countless applications operated daily. This makes the DW-YL relay an essential component for a more sustainable approach to energy."

Learn more about Panasonic’s [DW Relay series.](https://mediap.industry.panasonic.eu/assets/custom-upload/Components/Relays/Power/ds_dw_yl_relay_en.pdf)

**About Panasonic Industry Europe GmbH**

Panasonic Industry Europe GmbH is part of the global Panasonic Industry organization, one of the eight 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 54.12 billion (8,496.4 billion yen) for the year ended March 31, 2024. To learn more about the Panasonic Group, please visit: **https://holdings.panasonic/global/**