Efficient redundancy through MOSFET technology

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The new and extremely space-saving DIN rail MOSFET redundancy modules from PULS are now available for N+1 and 1+1 redundant systems. Available output voltages include: 12–18V for 2x20A and 2x40A redundancy and 24-56V for 2x20A redundancy. A unique feature of the YR40.245 module adds a Hot-Swappable connector which enables the power supply or redundancy module to be exchanged even during operation.

The PULS MOSFET redundancy modules are extremely energy efficient with only 1.7W no-load losses at nominal load and symmetrical current distribution in redundancy mode (max. 2.9W). A special emphasis has also been placed on a very low voltage drop between input and output, which lies between 49mV and 80mV for 1+1 redundancy operation and balanced input currents. The units deliver full power at ambient temperatures between -40°C and +60°C and they can be loaded at 160% of the peak current for up to 5 seconds. Redundant wiring on the output can be achieved by the simple addition of two cables due to the extra-large output terminals. Negative polarity input terminals are also included which makes traditional external distribution terminals obsolete.

With the addition of the YR product series, PULS now offers a wide selection of redundancy solutions to accompany its extensive power supply portfolio. Including a redundancy module in your system ensures safe and efficient decoupling while connecting power supplies in parallel provides symmetrical load distributions which can more than double your system's lifetime expectancy.

MOSFET Redundancy Modules of PULS

About PULS

The PULS group is a global technology market leader in the field of industrial and DIN rail power supplies, DC UPS, buffer and redundancy modules. The owner-managed company headquartered in Munich is globally represented through its own subsidiaries and distribution partners. All PULS products are developed in Germany and produced in Europe and Asia at the company's own certified and environmentally friendly production facilities.

Information for the Editorial Office

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Product Page:

http://www.pulspower.com/index.php?reqNav=product&objectId=207

Datasheet:

http://www.pulspower.com/pdf/yr40_242.pdf

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