********Narrow diode for decoupling from power supplies**

The new diode for Uno Power power supplies, which is just 22.5 mm wide, decouples power supplies connected in parallel, thereby increasing operational reliability.

Thanks to their high power density, the power supply units in this power supply range are the ideal solution for loads up to 100 W, especially in compact control boxes. When used in sensitive applications that require high availability, redundant power supply concepts are recommended. If the power supplies, which are operated in parallel, are also decoupled from the diode, a short circuit at the output of one of the power supply units or in the supply line from the power supply unit to the diode will have no effect on the load. The diode operates with an input voltage range of 4.5 to 30 V DC and nominal input currents of 2 x 10 A or 1 x 20 A. The module is snapped onto the DIN rail without spacing either side and operates at ambient temperatures from -25 to +70°C, making it suitable for industrial use.

There are 15 corresponding Uno Power power supplies with output voltages from 5 to 48 V DC currently available. Thanks to their high power density, they are the ideal solution in compact control boxes, where loads of up to 100 W are supplied reliably. The power supply units reduce energy consumption significantly compared to other products available on the market. This is achieved through low idling losses below 0.3 W and optimized efficiency of over 90%.

Three housings with dimensions of 22.5 or 35 or 55 x 90 x 84 mm (width x height x depth) save a lot of space in the control cabinet, thanks to their extremely high power density of 240 W/dm³. The power supplies for 5, 12, 15, 24, and 48 V DC output voltage are available in the 25, 30, 40, 55, 60, 90, and 100 W performance class.

Ends

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