

May 9, 2014

Product news

High-performance TSM-LC-S thyristor module with data logging

The new EPCOS TSM-LC-S thyristor module for dynamic power factor correction (PFC) is designed for voltages of 200 V AC to 440 V AC (50/60 Hz) and is suitable for compensating reactive powers of up to 55 kvar. Installation takes place via the system bus (RJ45). Integrated measuring electronics log key operating data such as the grid voltage and the PFC capacitor current, temperature and switching state. The maximum values of these parameters are simultaneously stored. The data is transmitted via the interface to the power factor controller and processed further, thus enabling comprehensive capacitor and system protection. In addition, the TSM-LC-S features a high-contrast OLED display for the operating data and alarm and error messages.

Like all EPCOS thyristor modules, the TSM-LC-S operates silently with no wear and is maintenance free. It has a switching time of only 5 ms. The module also increases the operating life of the capacitors, as it switches at the zero crossing of the current and monitors the capacitor current. Dangerous overcurrents are avoided and the power line is not exposed to transients.

The EPCOS TSM-LC-S thyristor module is especially suitable for PFC applications with presses, welding machines, elevators, cranes and wind turbines, for example.

How to order

The new EPCOS TSM-LC-S thyristor module was presented at the Hannover Fair 2014 for the first time. It can be ordered effective immediately (ordering code B44066T1050E402), delivery is expected to start in June 2014.

The data sheets may be downloaded under www.epcos.com/thyristor_modules.

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Customers are asked to address inquiries directly to their sales contacts.



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