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Product news

EPCOS thyristor module with expanded operating voltage range

The new EPCOS TSM-LC-NC690 thyristor module for power factor correction (PFC) has an expanded operating voltage range of up to 690 V AC. The module switches the capacitors in two phases so that a neutral conductor is not needed. The new module is designed for a reactive power of 40 kvar to 75 kvar and can switch currents of up to 60 A.



The module continuously monitors its voltage, phase and temperature, and is thus very reliable. Like all EPCOS thyristor modules, the TSM-LC-NC690 operates silently and is wear- and maintenance-free with a short switching time of only 5 ms. The module also helps to increase the operating life of the capacitors by switching at the zero crossing of the current and monitoring the capacitor current. In addition, dangerous overcurrents are avoided and the grid is not exposed to transients. The thyristor module can be triggered by EPCOS dynamic power factor controllers, PLCs or directly from the process.

The EPCOS TSM-LC-NC690 thyristor module with the ordering code B44066T3050E690 is suited especially for dynamic PFC applications with presses, welding machines, elevators, cranes and wind turbines.

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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