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Maximum control and safety for smooth starting and stop

TÜV certified softstarter up to 30 kW with braking function - energy efficiency and safety combined

Softstarters offer advantages when controlling motors. In addition to smooth and therefore wear-free starting, softstarters are extremely energy-efficient, especially in applications with fixed speeds. Integrated relay contacts, which bridge the power semiconductors after starting, minimise power dissipation and enable a very compact design. This also applies to the two-phase controlled softstarter GF 9229 of the COMBISTART series with integrated reliable and smooth braking function for three-phase asynchronous motors up to efficiency level IE3.

In addition to the power-saving and self-optimising start-up, the softstarter **GF 9229** also focuses on safety when the controlled motors are coasting. In accordance with the requirements of category 2, PL c from EN 13849-1 and SIL 1 according to DIN EN 61508, the functions

- Prevention of unexpected start-up due to malfunction
- Monitored controlled stop
- Control of the guard door interlock
- Motor standstill monitoring

realized. This makes the device an ideal and comparatively inexpensive component for processing machines such as saws, milling machines, planers for wood or also screening machines, vibrators, centrifuges and fans. The compact design allows space-saving integration into the control cabinet.

With the LCD control panel for convenient adjustment of the parameters to the application, the softstarter **GF 9229** is also equipped with serial CAN interfaces with CANopen protocol, which can be used to exchange data with the higher-level control system and achieve optimum starting behaviour of the motor.

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