COMBISTART

DOLD

Softstarter with DC-Brake GF 9229
Integrated safety - PL c, SIL 1

With the new TÜV-certified **softstarter with DC-Brake GF 9229** from the **COMBISTART** series, DOLD presents a powerful and reliable 2-in-1 device for smooth, energy-saving starting and gentle braking of asynchronous motors up to 30 kW. In accordance with the requirements of Cat. 2, PL c from EN 13849-1 as well as SIL 1 according to DIN EN 61508, the following functions are implemented: Prevention of unexpected and fault-related starting, monitored and controlled stopping, control of the safety gate interlock and motor standstill monitoring. Additional motor safety is provided by the integrated thermal overload protection, which is activated as standard for motor temperature monitoring.

Thanks to its combination of softstarter and braking device and its compact size for the power class, the softstarter is ideal for use in processing machines with large centrifugal masses, especially in wood processing according to DIN EN 12750, as well as for systems such as centrifuges, vibrators and fans.

The 2-phase controlled GF 9229 enables an efficient and fast commissioning by a self-optimizing soft start and braking process. An ergonomic design with pluggable connection technology and push-in cage clamp terminals allows very rapid installation. A wide range of device parameters can be set in a user-friendly manner thanks to a clear and simple menu structure via LCD display.

Advantages and customer benefits

- For safety applications up to PL c or SIL 1, TÜV-certified
- Safe, wear-free braking of motors up to IE3
- Increased safety through integrated standstill monitoring and brake contactor
- Suitable for three-phase asynchronous motors from 5 to 30 kW
- Wear and maintenance-free due to semiconductor technology
- Intelligent control and visualization through CAN interface
- Extensive parameterization and diagnosis via LCD display

Our experience. Your safety.

Softstarter with DC-Brake GF 9229

Technical features

- According to IEC/EN 60 947-4-2
- Complies with DIN EN 12750 (safety of woodworking machines)
- Fulfils PL c acc. to EN 13849-1 and SIL 1 acc. to EN 61508
  - Safely monitored start function
  - Protection against unintentional start-up
  - Control of a door interlock
  - Standstill detection and monitoring
- Suitable for IE3 motors
- CANopen bus connection
- For motor currents up to 60 A at 3 AC 400 V
- Auxiliary voltage DC 24 V
- 5 signalling relays for status and error messages with LED displays
- With input for recording the motor temperature
- GF 9229 up to 37 A: 103 mm width
- GF 9229 up to 60 A: 205 mm width

Softstarter with DC-Brake GF 9229

Soft Start | Safety Integrated | n=0 | CAN open | Brake | IE3 ready

Order information

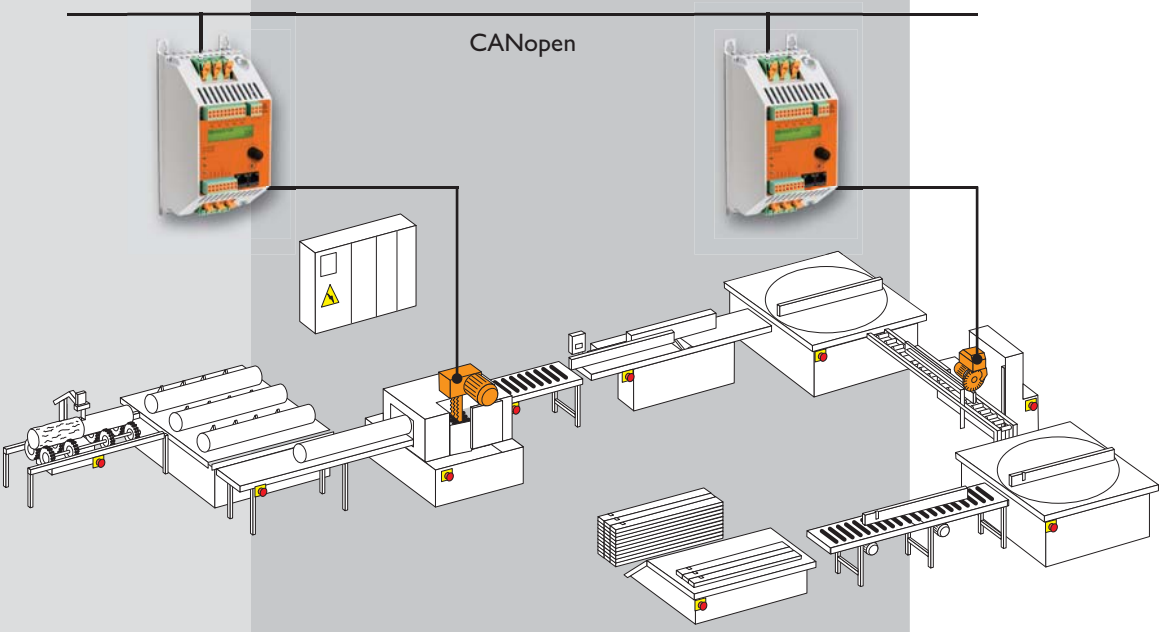
Standard type: GF 9229 3 AC 400 ... 575 V 22 A
Item number: 0067784

Fields of application

- Machines with gear, belt or chain drives
- Conveyor belts
- Woodworking machines
- Centrifuges, vibrators, band saws

Application example

The application example shows the GF 9229 in use in a woodworking centre. The motor is monitored both during start-up and during the braking process and is controlled precisely at all times. The GF 9229 prevents a long, uncontrolled continuous running period on saw blades, for example, especially in machines with a high inertial mass. This allows users to precisely calculate braking times and reduce them to a minimum.



Further information

GF 9229 Start

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