



COMBISTART

DOLD 

Softstarter with brake function GF 9229 For drive motors - IE3 ready

With the new **softstarter / brake combination GF 9229** of the **COMBISTART** series, DOLD presents a reliable two-in-one device for the smooth and energy-saving start-up and the smooth deceleration of asynchronous motors. It is especially suitable for IE3 motors. Thanks to the combination of softstarter and brake device as well as the compact size for the performance class, the device is pre-destined for use in processing machines with large centrifugal masses – especially for wood processing as well as centrifuges, vibrators, and fans. Whether used for retrofitting or original equipment, the device can be added to a switch cabinet to save space.

The 2-phase controlled GF 9229 softstarter and brake device with smart controls facilitates fast, efficient set-up procedures through self-optimised softstart and braking processes. An ergonomic design with pluggable connection technology and cage clamp terminals allows the device to be installed in a flash. A clear, user-friendly, and easy to understand menu structure with LCD display allows operators to change a wide variety of device parameter settings.

Comprehensive protective functions ensure controlled and gentle operation of the device and motor. The serial CAN interface with CANopen protocol supports easy device integration into higher-level controllers. The field bus connection allows users to parameterise and control the device, and facilitates comprehensive diagnostic functions.

Advantages and customer benefit

- ▶ Suitable for asynchronous motors up to 60 A
- ▶ CANopen on board
- ▶ Suitable for IE1, IE2, and IE3 motors
- ▶ Self-optimising softstart and brake function
- ▶ Integrated detection of standstill
- ▶ Motor and device protection function
- ▶ Integrated brake contactor

Our experience. Your safety.

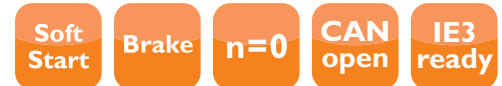
Softstarter with brake function GF 9229

Technical features

- ▶ In accordance with IEC/EN 60 947-4-2
 - Monitored start function
 - Protection against unintentional start-up
 - Door lock activation
 - Standstill monitoring
- ▶ For motor current up to 60 A at 3 AC 400 V
- ▶ Option to separately adjust activation time, start-up and braking torque
- ▶ No brake contactor required
- ▶ With automatic detection of standstill
- ▶ Wear and maintenance-free
- ▶ Auxiliary voltage DC 24 V
- ▶ Network monitoring for phase failure and phase reversal
- ▶ 5 signalling relays for status and error notification
- ▶ With input to detect the motor temperature
- ▶ Functional test of the brake circuit after activating the start button
- ▶ GF 9229 to 37 A: 103 mm width
- ▶ GF 9229 to 60 A: 205 mm width



Softstarter with brake function
GF 9229



Order information

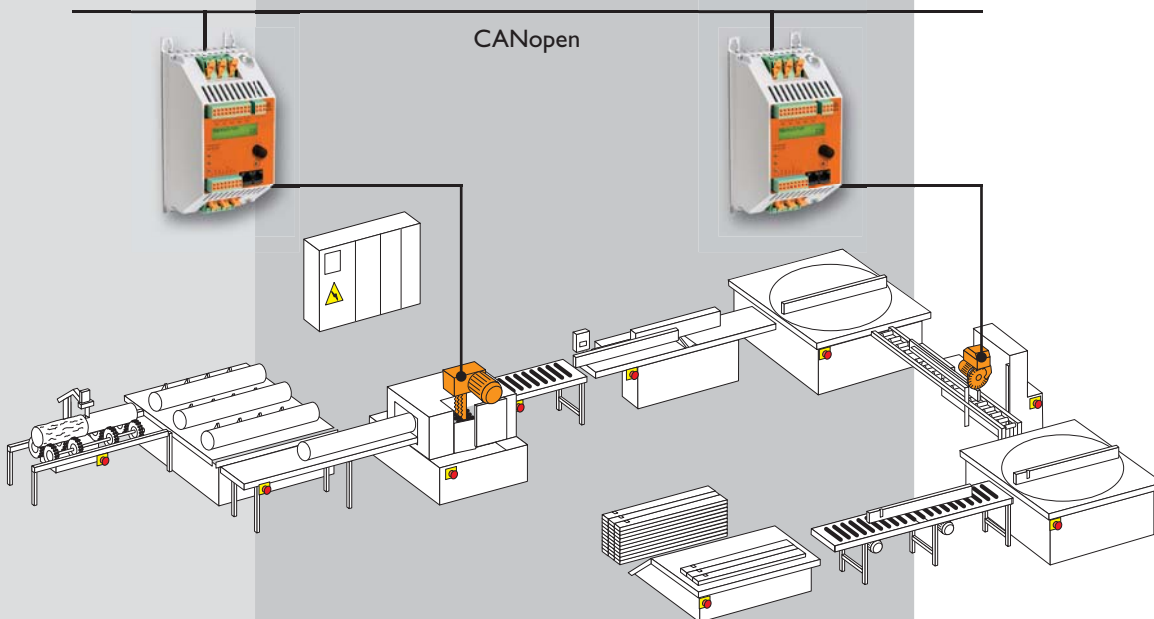
Standard type: GF 9229 3 AC 400 ... 575 V 22 A
Item number: 0067784

Fields of application

- ▶ Machines with gear, belt or chain drives
- ▶ Conveyor belts
- ▶ Woodworking machines
- ▶ Centrifuges, shakers, 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. Especially in machines with a high inertial mass, the GF 9229 prevents a long, uncontrolled continuous running period on saw blades, for example. This allows users to precisely calculate braking times and reduce them to a minimum.



Further information

GF 9229

Start

www.dold.com

DOLD

E. DOLD & SÖHNE KG
P.O. Box 1251 • 78114 Furtwangen • Germany
Tel. +49 7723 6540 • Fax +49 7723 654356
dold-relays@dold.com • www.dold.com