



MINISTART

DOLD 

The complete solution - softstarter with electronic motor protection

Demand

Simple softstart units are not always the best solution for applications with changing loads and high break away forces when a smooth and linear start of a motor is required.

Solution

Here **softstarters GI 9014** of the **MINISTART** series from DOLD with integrated starting current control could solve the problem. By this method drive systems with 3-phase motors can be started and stopped in an efficient way. In addition the devices can be integrated in a superior control by optional field bus modules. The status of device and plant becomes transparent.

Your advantages

- ▶ To give the drive system a longer life
- ▶ Extremely space and cost saving by integrated motor protection:
Overload, phase failure and exceeding starting time
- ▶ Integrated bridging contactor
- ▶ Limiting of starting current prevents against mains and equipment overload
- ▶ Productivity by shortened starting times on heavy duty starting and high permissible switching frequency
- ▶ Individual settings for multiple applications
- ▶ Easy to use

Our experience. Your safety.

Softstarter GI 9014

Technical specification

- ▶ Softstarter for asynchronous motors up to 110 kW (400 V)
- ▶ Integrated current control
- ▶ Integrated motor protection
- ▶ Integrated bridging contactor
- ▶ Voltage-free control input for softstart and -stop
- ▶ Connection for motor thermistor
- ▶ With monitoring outputs, one is programmable
- ▶ Units up to 30 kW for DIN rail mounting
- ▶ Communication modules for Profibus, DeviceNet, Modbus and pump controls (as option)
- ▶ Available for common or separate start-stop buttons



Softstarter
GI 9014

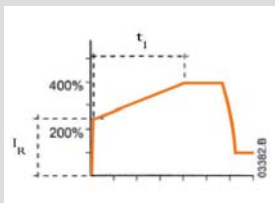
Ordering data

Standard type:
GI 9014 3 AC 400-440 V 45-66 Hz 7,5 kW
Article number: 0062420

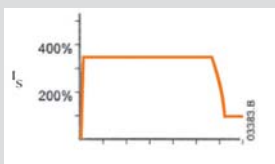
Applications

- ▶ Escalators
 - ▶ Pumps
 - ▶ Fans
 - ▶ Conveyors and elevators
 - ▶ Compressors
- ... for all other applications with high demand start and stop process. **Please request information.**

Functions



Current ramp and ramping time
until current limit is reached



Current limit
Maximum current during starting

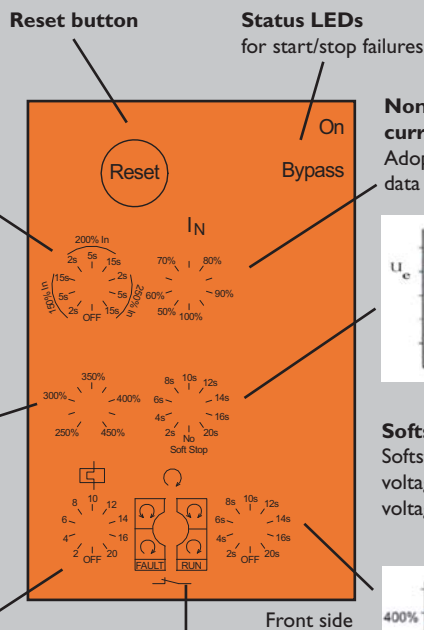
Electronic motor protection
Selection of motor protection class

Further information

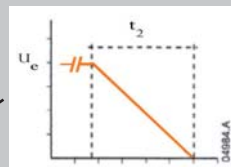
GI 9014

Start

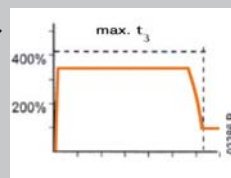
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Nominal motor current
Adoption to the load data of the motor



Softstop time
Softstarter reduces the voltage from nominal voltage to zero



Maximum permissible starting time
Safety time to protect motor and device when motor is blocked or heavy loaded

All setting facilities in overview:

- ▶ Nominal current
- ▶ Current limiting
- ▶ Current ramp
- ▶ Deceleration time
- ▶ Motor protection class
- ▶ Phase sequence
- ▶ Starting time monitoring
- ▶ Relay output function

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