

NORD GEAR CORPORATION

Member of the NORD DRIVESYSTEMS Group



NEWS

NORD GEAR INTRODUCES NEW DISTRIBUTED CONTROL MOTOR SOFT STARTERS

Eliminate uncontrolled starting and mechanical strain on your drive components with the SK135E/SK175E soft start drive family.



The starters are designed to be used in a distributed control system and can be mounted directly on the motor or near the motor.

AC Motors that are connected directly to their power source exhibit heightened power consumption during starting and stopping and can demand up to seven times of the rated motor current irrespective of load. This can create irregular starting and shut down behaviors as well as unnecessary strain on all components involved.

NORD has created a simple and economical solution to these unnecessary risks associated with running electric motors as your primary mover. The SK135E/SK175 regulates the three major functions of a motor starter and controls them in order to protect your equipment and what you are moving while saving you money in the process.

The product series consists of a basic model; the SK135E and an enhanced model; the SK175E that have either ASi or Profibus DP onboard networking.

SK 135E - Basic Functions:

- 2x digital input & 2x digital output
- 4x DIP switches
- Up to 4 configurable potentiometers
- RS 232 diagnostic interface via RJ12
- EMC Line Filter
- Temperature sensor input (TF+/TF-)
- Electromechanical motor brake control

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- Motor overload protection
- Diagnostic LED's
- Flux Monitoring (minimum current)
- Mains, motor phase & minimum current monitoring
- Automatic phase sequence detection
- On motor or close to motor mounting

SK175E - Additional Functions:

- Onboard networking ASi or Profibus DP
- 2 additional digital inputs

About NORD DRIVESYSTEMS

A developer and manufacturer of drive technology; NORD DRIVESYSTEMS employs more than 3,200 people and is one of the world's leading suppliers of full-scale, comprehensive drive solutions. **The company was founded in 1965 and is celebrating its 50th anniversary this year.** NORD's portfolio ranges from standard drives to customized solutions for demanding application requirements, e.g. based on energy-efficient or explosion-protected drives. Gross sales amounted to EUR 500 mn in the 2014 business year. Subsidiaries in 36 countries around the world and an extensive distribution and service network ensure minimal lead times and provide customer-oriented services wherever needed on short notice. NORD's wide variety of gear types covers torques from 10 Nm to 242,000 Nm and more. The company also supplies motors with outputs from .12 kW to 1,000 kW and manufactures frequency inverters up to 160 kW. NORD's inverter line-up features conventional models for installation in control cabinets as well as design types for fully integrated drive units in decentralized automation environments.