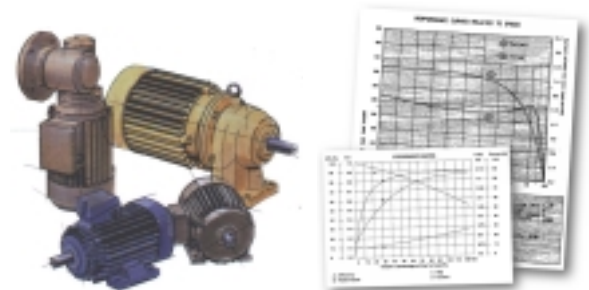


MCD 3000 Soft starter



The MCD3000 is an advanced Total Motor Starting solution from Danfoss.

The MCD3000 Soft Starter is designed to simplify installation and minimize the set-up time.

Benefits

- Simple & flexible control over starting current and torque
- Smooth control of voltage & current – free from steps or transitions
- Capable of starting frequently
- Capable of matching different applications with varying start and stop conditions
- Extended motor deceleration time by soft stop control
- Braking control to reduce motor deceleration time
- Capable of serial communication with other devices for monitoring and control
- Comprehensive built-in motor and plant protections

Applications

Pumps, Fans, Compressors, Mixers, Conveyors, Crushers, Grinders, Mills, Chippers etc.

Technical Specifications

Mains Voltage	200 – 690 V, +10 -15%
Mains Frequency	50 (60) Hz \pm 2 Hz
Power range	0 – 800 kW, <i>nominal at 400 V</i>
Control Inputs	4 (Start, Stop, Reset, Parameter set)
Relay Outputs	3, configurable
Protections	Motor thermal overload Instantaneous overload Motor temperature (Thermistors) Motor temperature (Thermal model) Undercurrent Phase imbalance Phase sequence Excess start time Starter over-temperature
Indications	LED parameter display LEDs for..... Starter status (4), Remote input status (4)
Enclosure	IP 20, IP 21 (based on frame size)
Ambient temperature	- 5 to 60° C (<i>above 40 °C with derating</i>)

Communications

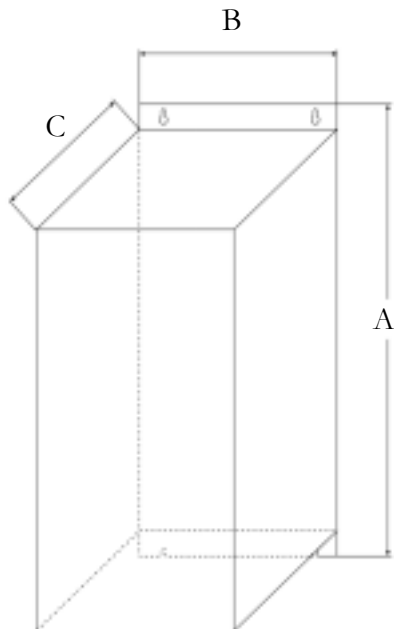
- RS485 serial link
- Protocol gateway - Profibus, Devicenet, Inter-bus

Features

- Enclosed units, allow side-by-side mounting
- Choice of Mains & Control Voltages
- Large Power ratings
- Built-in Motor Protections
- Parameters for 2 motors stored in memory
- Choice of starting and stopping methods
- User friendly Digital Control Panel with
 - LED Parameter display
 - LEDs for status monitoring and fault diagnostics
 - Motor temperature display
- Fault log with history
- Password protection, Parameter lock
- Default parameter load

Approvals:

CE, UL, C-UL, C-tick



Dimensions

MCD Type	Power size - kW (nominal at 400 V)	(A) Height mm	(B) Width mm	(C) Depth mm
3007-3055	7,5-55	530	132	270
3075-3110	75-110	530	264	270
3132	132	530	396	270
3185-3500	185-500	850	430	280
3600-3800	600-800	1000	560	315

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