

Soft starters



VLT® Soft Start Controller MCD 100



VLT® Compact Starter MCD 201 and 202



VLT® Soft Starter MCD 500

VLT® Soft Start Controller MCD 100

The compact soft starter series is a cost-effective alternative to traditional contactors and can also replace star/delta combinations. The ramp time and the starting torque and kick start are adjusted via controls on the front of the unit.

Almost unlimited number of motor starts

For a power rating of up to 25 A, up to 480 starts per hour are possible. This is a true "fit and forget" soft starter for DIN rail mount. The unique contactor design allows an almost unlimited number of starts per hour without derating.

Technical data

Input..... 3 x 208-600 V
Control voltage 24-480 V AC or DC
Power..... 0.1 kW-11 kW (25 A)

Enclosure

IP00	IP20	IP21/Type 1
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IP54/Type 12	IP55/Type 12	IP66/Type 4X

VLT® Compact Starter MCD 201 and 202

While the basic and the starting torque VLT® Compact Starter MCD 201 version is only used for motor starting, the extended VLT® Compact Starter MCD 202 version offers additional motor protection functions. These include, for example, current limitation during motor starting.

Built-in bypass

After the motor is started, the MCD 201 and MCD 202 automatically connect the motor to the mains supply via the built-in bypass relay. This minimizes losses during operation under full load.

Technical data

Input..... 3 x 200-575 V
Control voltage 24 V AC or DC/110-440 V AC
Power..... 7.5 kW-110 kW (200 A)

Fieldbus

PB	DN	MOD	EIP
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Enclosure

IP00	IP20	IP21/Type 1
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IP54/Type 12	IP55/Type 12	IP66/Type 4X

VLT® Soft Starter MCD 500

The VLT® Soft Starter MCD 500 is the comprehensive solution for soft starting and stopping three-phase asynchronous motors. Integrated current transducers measure the motor current and provide important data for optimal start and stop ramps. A built-in bypass is available up to 961 A.

Fast commissioning

The four-line graphic display (choice of eight languages) and quick menu ensures easy and reliable configuration and read-out.

Load-oriented start

Adaptive Acceleration Control (AAC), adjusted to the respective load, ensure the best possible start and stop ramps in order to avoid water hammering.

Comprehensive protection

Phase error detection, thyristor monitoring and bypass contact overload are just a few integrated monitoring functions.

Technical data

Input..... 3 x 200-690 V
Control voltage 24 V DC or 110-240 V AC
Power..... 7.5-850 /2400* (1600A) kW
* "Inside delta connection"

Fieldbus

PB	DN	MOD	EIP
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Enclosure

IP00	IP20	IP21/Type 1
■	■	
IP54/Type 12	IP55/Type 12	IP66/Type 4X