

The background image shows a car body on an assembly line. The car is white and is positioned on a blue metal frame. The background is a factory setting with various mechanical parts and structures. The Siemens logo is in the top left corner.

# SIEMENS

## Rugged Motor Starters for Distributed Drive Solutions

SIRIUS M200D in the automotive industry

### High flexibility, perfect functionality and high degree of protection

The rugged and compact motor starters of the SIRIUS M200D system range represent the perfect solution for drive tasks without control cabinet – e.g. for skid conveyor technology in the automotive industry. Featuring high degree of protection IP65, these devices are optimally suited for spatially expanded distributed assemblies and reliably meet all automation requirements. The choice is yours! The SIRIUS M200D system range offers for each version one for PROFIBUS and one for PROFINET. The devices start motors and protect loads up to 5.5 kW – whether as direct-on-line or reversing starter, with mechanical or electronic switching and with optional brake control or local hand-held operator panel. All starter versions with electronic switching are available with integrated soft starting functions.

The SIRIUS M200D Motor Starter can be mounted with only few flicks of the wrist. The integrated plug-in connection system facilitates considerably reduced wiring expenditures. This way, energy infeed and motor connection lines can be directly plugged into the motor starter module. Evaluation of the parameterizable electronic overload protection ensures optimum motor protection and reliably signals any exceedance or short-fall of desired values.

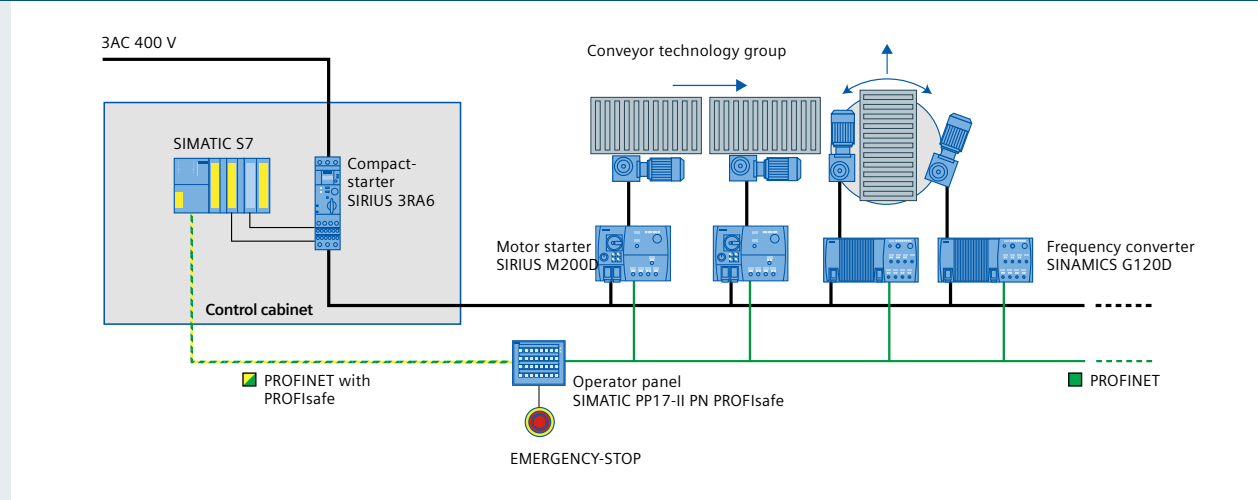
### SIRIUS M200D: Highlights at a glance

- **Considerably increased system availability** thanks to comprehensive diagnostics concept and elaborate system monitoring
- **Cost-favorable and rapid device replacement** in service cases thanks to modular starter concept and automatic re-parameterization
- **Rapid mounting and commissioning without faults** thanks to plug-in connection system and prefabricated cables
- **Comfortable on-site operation** in case of an interference
- **Integration of corresponding sensors**
- **Easy configuration** and easy order placement
- **PROFINET or PROFIBUS** communication
- **PROFInergy** functionality for efficient energy management



[siemens.com/sirius-motorstarter](https://www.siemens.com/sirius-motorstarter)

## SIRIUS M200D Motor Starters in the automotive industry



### Example: Conveyor technology group

The distributed operation of guide rails installed throughout all sections of automotive production plants represents one of the typical applications of SIRIUS M200D motor starters in the field of connecting conveyor technology. In addition, the application of a SIRIUS 3RA6 compact starter facilitates the very easy realization of the plant's disconnection for maintenance purposes as well as safe disconnection in accordance with SIL 1 (EN 62061), e.g. by means of EMERGENCY-STOP. In this case, safe disconnection is effected via a fail-safe digital output of the SIMATIC S7.

### SIRIUS M200D: The first choice for conveyor technology in the automotive industry

Connecting conveyor technology systems in the automotive industry, e.g. between the paint shop and final assembly sections, consist of a few basic modules which can be variable combined as (e.g. turntable, switch, horizontal conveyor, lift). In many cases, these modules demand a distributed assembly of the automation and drive concept. This is the reason why motor starters require a high degree of protection. Furthermore, the devices have to support ease of installation, rapid commissioning as well as user-friendly operation and comprehensive diagnostics. A powerful bus system such as PROFIBUS or PROFINET is employed for connection to the superior control system. Moreover, the application of PROFIsafe in combination with a SIRIUS 3RA6 compact starter allows the realization of safety-related system configurations. Whether direct-on-line or reversing operation, quick-stop or detecting and processing of corresponding sensor signals: Thanks to their comprehensive functionality (e.g. wide setting ranges), our rugged SIRIUS M200D motor starters perfectly meet the specific conveyor technology requirements in the automotive industry.

### SIRIUS M200D supports PROFlenergy on PROFINET



In addition, the SIRIUS M200D motor starter also supports the future-oriented and manufacturer-independent PROFlenergy profile on PROFINET. This facilitates efficient energy management in production plants on the basis of controlled energy consumption, doing away with external permanently wired systems.



SIRIUS M200D motor starter are used at SEAT in Spain

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