

For Use in the Control Cabinet

ET 200S Motor Starters and Safety Motor Starters

General data



SIMATIC ET 200S
Standard motor starters



SIMATIC ET 200S
High-Feature motor starters¹⁾

Device functions (firmware features)

Slave on the bus

Fieldbus ✓ Dependent on interface module

Parameterization

PROFIBUS/PROFINET data records -- ✓

Parameterization using data record start-up -- ✓

Diagnostics

Acyclic through data records -- ✓

Diagnostic interrupt support ✓

Diagnostics using PROFIBUS/PROFINET -- ✓ See manual²⁾

Process image

Process image ✓ 3I/3O ✓ 16I/7O

Address area required per module ✓ 4 bits ✓ 2 bytes

Data channels

Manual mode local interface -- ✓ Through module

Motor Starter ES via local interface -- ✓ Starting end of 2011

Motor Starter ES via bus -- ✓ Starting end of 2011

Data records (acyclic)

Parameterization -- ✓

Support for PROFIenergy profile -- ✓ Measuring the motor current and disconnection in idle times

Diagnostics -- ✓

Measured values -- ✓

Statistics -- ✓

Commands -- ✓

Slave pointer -- ✓

Logbook -- ✓

Device identification -- ✓

I&M data -- ✓

Inputs

Number ✓ Maximum 2, via xB3, xB4, xB6 ✓ Maximum 4, 2 via xB3, xB4, xB6 and 2 via module 2DI 24 V DC COM

• Of which in the process image -- ✓ 4

Input action ✓ End position on left, right ✓ Parameterizable: flexible

Quick stop -- ✓ Parameterizable

Outputs

Number ✓ Internal, for controlling the brake module

Output action ✓ Brake

Brake output with additional module

Motor brake voltage: brake module ✓ 24 V DC: xB1/xB3, 500 V DC: xB2/xB4, 400 V AC: xB5/xB6

Motor protection

Overload protection ✓ Thermal, range 1:1.3 ✓ Solid-state, wide range 1:10

Overload warning -- Only tripping ✓

Short-circuit protection ✓ Motor starter protectors ✓

Full motor protection --

Motor protection response in case of overload Thermal motor model response -- ✓ Parameterizable: disconnection without restart, disconnection with restart, warning

Automatic reset --

Temperature sensor --

Emergency start function -- (✓ with control unit 3RK1903-0CG00) ✓

✓ Function available

-- Function not available

¹⁾ The specified device functions apply in full only to the new ..AB4 starters.

²⁾ <http://support.automation.siemens.com/WWW/view/en/6008567>