

Motor starters for use in the field, high degree of protection

SIRIUS M200D motor starters

M200D motor starters for PROFIBUS / PROFINET



**SIRIUS M200D
PROFIBUS**



**SIRIUS M200D
PROFINET**

Device functions (firmware features)

Slave on the bus

Fieldbus	✓ PROFIBUS on M12	✓ PROFINET on M12
Adjustable number of stations	✓ 1 ... 125	✓ 1 ... 128 for CPU 315, CPU 317 1 ... 1256 for CPU 319

Parameterization

DIP switches	✓ For address setting and terminating resistor	--
Motor Starter ES	✓ Via bus, optical interface	
PROFIBUS/PROFINET data records	✓	
From STEP 7 / HW Config	✓	

Diagnostics

Acyclic through data records	✓
Diagnostic interrupt support	✓

Process image

Process image	✓ 2 bytes PII/ 2 bytes PIQ
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Data channels

Local optical interface (manual mode local)	✓
Through local interface of Motor Starter ES	✓
Using Motor Starter ES via bus	✓

Data records (acyclic)

Parameterization	✓ Using DS 131 (DS = data record)	
Diagnostics	✓ Device-specific DS 92	
Measured values	✓ Measured values DS 94	
Statistics	✓ Statistical data DS 95	
Commands	✓ Via DS 93	
Slave pointer	✓ Slave pointer DS 96	
Logbook	✓ Using Motor Starter ES and data records: device fault DS 72, tripping operations DS 73, events DS 75	
Device identification	✓ Via DS 100	
I&M data	✓ Using DS 231 ... 234	✓ Using data records 0xAFF0 ... 0xAFF3

Inputs

Number	✓ 4
• Of which in the process image	✓ 4
Input action	✓ Parameterizable: flexibly assignable action, see manual ¹⁾
Quick stop	✓ Parameterizable: latching, non-latching

✓ Function is available

-- Function is not available

¹⁾ <http://support.automation.siemens.com/WW/view/de/38823402>

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Device functions (firmware features)

Outputs

Number	✓ 2
• Of which in the process image	✓ 2
Output action	✓ Parameterizable: flexibly assignable action, see manual 1)

Brake output

180 V DC / 230/400 V AC / none	✓
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Motor protection

Overload protection	✓ Solid-state, wide range 1:10
Short-circuit protection	✓
Full motor protection	✓
Temperature sensor	✓ Parameterizable using Motor Starter ES, data record: PTC or Thermoclick or deactivated

Device function

Repair switch	✓
Lower current limit monitoring	✓ Parameterizable
Upper current limit monitoring	✓ Parameterizable
Residual current detection	✓ Parameterizable: tripping, warning
Blocking current	✓ Parameterizable
Asymmetry	✓ Parameterizable
Load type	✓ Parameterizable: 1 and 3-phase
Tripping class	✓ Parameterizable using Motor Starter ES, data record: CLASS 5, 10, 15, 20
Protection against voltage failure	✓ Parameterizable: Activated/deactivated

Support for PROFlenergy profile

Switching during idle times	--	✓
Measured motor current values	--	✓

Soft starter control function

Soft start function	✓
Bypass function	✓ Only solid-state version

✓ Function is available

-- Function is not available

1) <http://support.automation.siemens.com/WW/view/de/38823402>