



SIRIUS MOTOR STARTER M200D AS-I  
 COMMUNICATION: AS-INTERFACE DIRECT ON-LINE  
 STARTER STANDARD ELECTRONIC SWITCHING 3 400V  
 AC/0,9KW;  
 0,15A...2,00A;  
 ELECTRONIC OVERLOAD PROTECTION;  
 THERMISTOR: THERMOCLICK / PTC WITH BRAKE  
 CONTACT 180V DC 4DI / 1DO AS-I HAN Q4/2 - HAN Q8/0

**General technical data:**

<b>product brand name</b>		SIRIUS
<b>Product designation</b>		motor starter M200D, AS-i Standard
<b>Design of the product</b>		direct starter
<b>Product function</b>		
• direct start		Yes
• reverse starting		No
• short circuit protection		Yes
• bus-communication		Yes
<b>Design of the switching contact</b>		solid-state / thyristor / 2 phases
<b>Product component / outlet for engine brake</b>		Yes
<b>Trip class</b>		CLASS 5, 10, 15, 20
<b>Type of assignment</b>		1
<b>Product equipment</b>		
• brake control with 230 V AC		No
• brake control with 400 V AC		No
• brake control with 24 V DC		No
• brake control with 180 V DC		Yes
• brake control with 500 V DC		No
<b>Product extension / braking module for brake control</b>		No

<b>Impulse voltage resistance / rated value</b>	V	6,000
<b>Start-up delay time</b>	ms	25
<b>Switch-off delay time</b>	ms	35
<b>Insulation voltage / rated value</b>	V	500
<b>Active power loss / typical</b>	W	30
<b>Maximum permissible voltage for safe disconnection</b>		
• between main circuit and auxiliary circuit	V	400
• between control and auxiliary circuit	V	24
<b>Reference code</b>		
• according to DIN EN 61346-2		Q
<b>Mounting type</b>		screw fixing
<b>Width</b>	mm	294
<b>Height</b>	mm	215
<b>Depth</b>	mm	159

#### Main circuit:

<b>Operating voltage</b>		
• rated value	V	360 ... 440
<b>Adjustable response current</b>		
• of the current-dependent overload release	A	0.15 ... 2
<b>Operating current / at AC-3 / at 400 V</b>		
• rated value	A	2
<b>Service power / for three-phase servomotors / at 400 V / at 50 Hz</b>		
• minimum	kW	0.06 ... 0.75
<b>Service power / at AC-3</b>		
• at 400 V / rated value	kW	0.75
• at 500 V / rated value	W	750
<b>Number of poles / for main current circuit</b>		3
<b>Design of the short-circuit protection</b>		circuit-breakers
<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>)</b>		
• at 400 V / rated value	A	50,000
• at 500 V / rated value	A	20,000
<b>Type of the motor protection</b>		full motor protection

#### Control circuit:

<b>Voltage type / of control feed voltage</b>		DC
<b>Control supply voltage / 1 / for DC / rated value</b>	V	24
<b>Control supply voltage / 1 / for DC / rated value / permissible minimum</b>	V	20.4
<b>Control supply voltage / 1 / for DC / rated value / permissible maximum</b>	V	28.8

<b>Design of the electrical connection / for auxiliary and control current circuit</b>		connector
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### Supply voltage:

<b>Type of / supply voltage</b>		DC
<b>Supply voltage / 1 / for DC / rated value</b>	V	30
• permissible minimum	V	26.5
• permissible maximum	V	31.6
<b>Design of the electrical connection / for supply voltage infeed</b>		M12 plug

### Ambient conditions:

<b>Protection class IP</b>		IP65
<b>Ambient temperature</b>		
• during storage	°C	-40 ... +70
• during operating	°C	-25 ... +55
• during transport	°C	-40 ... +70
<b>Relative humidity</b>		
• during operating phase	%	10 ... 95
<b>Resistance against vibration</b>		7 mm / 2g
<b>Resistance against shock</b>		12g / 11 ms
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	2,000
<b>mounting position</b>		vertical, horizontal, flat
<b>mounting position / recommended</b>		horizontal

### Communication:

<b>Design of the interface</b>		
• AS interface protocol		Yes
<b>Protocol / is supported</b>		
• AS interface protocol		Yes
<b>Design of the interface</b>		
• PROFIBUS DP protocol		No
<b>Protocol / is supported</b>		
• PROFIBUS DP protocol		No
<b>Product function</b>		
• control circuit interface with IO link		No
• control circuit interface to parallel wiring		No
<b>Design of the interface</b>		
• PROFINET protocol		No
<b>Protocol / is supported</b>		
• PROFINET protocol		No

<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• of the communication interface</li> </ul>		M12 plug

### Connections:

<b>Number of digital inputs</b>		4
<b>Number of digital outputs</b>		1
<b>Number of sockets</b>		
<ul style="list-style-type: none"> <li>• for digital input signals</li> </ul>		4
<ul style="list-style-type: none"> <li>• for digital output signals</li> </ul>		1
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• digital outputs parameterizable</li> </ul>		Yes
<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• 1 / for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>• 2 / for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>• 3 / for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>• 4 / for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>• 1 / for digital output signals</li> </ul>		M12 socket
<b>Design of the electrical connection</b>		
<ul style="list-style-type: none"> <li>• at the manufacturer-specific device interface</li> </ul>		optical interface
<ul style="list-style-type: none"> <li>• for device addressing</li> </ul>		M12 plug
<b>Product function / on-site operation</b>		No

### EMC:

<b>EMC immunity to interference / according to IEC 60947-1</b>		corresponds to degree of severity 3, ambience A (industrial sector)
<b>Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4</b>		2 kV network connection / 1 kV control connection
<b>Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5</b>		2 kV
<b>Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5</b>		1 kV
<b>EMC emitted interference / according to IEC 60947-1</b>		CISPR11, ambience A (group 2)
<b>Verification of suitability</b>		CE
<b>Protection against electrical shock</b>		finger-safe

### Certificates/approvals:



Test Certificates

other

[Type Test  
Certificates/Test  
Report](#)



ASi

[Environmental  
Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

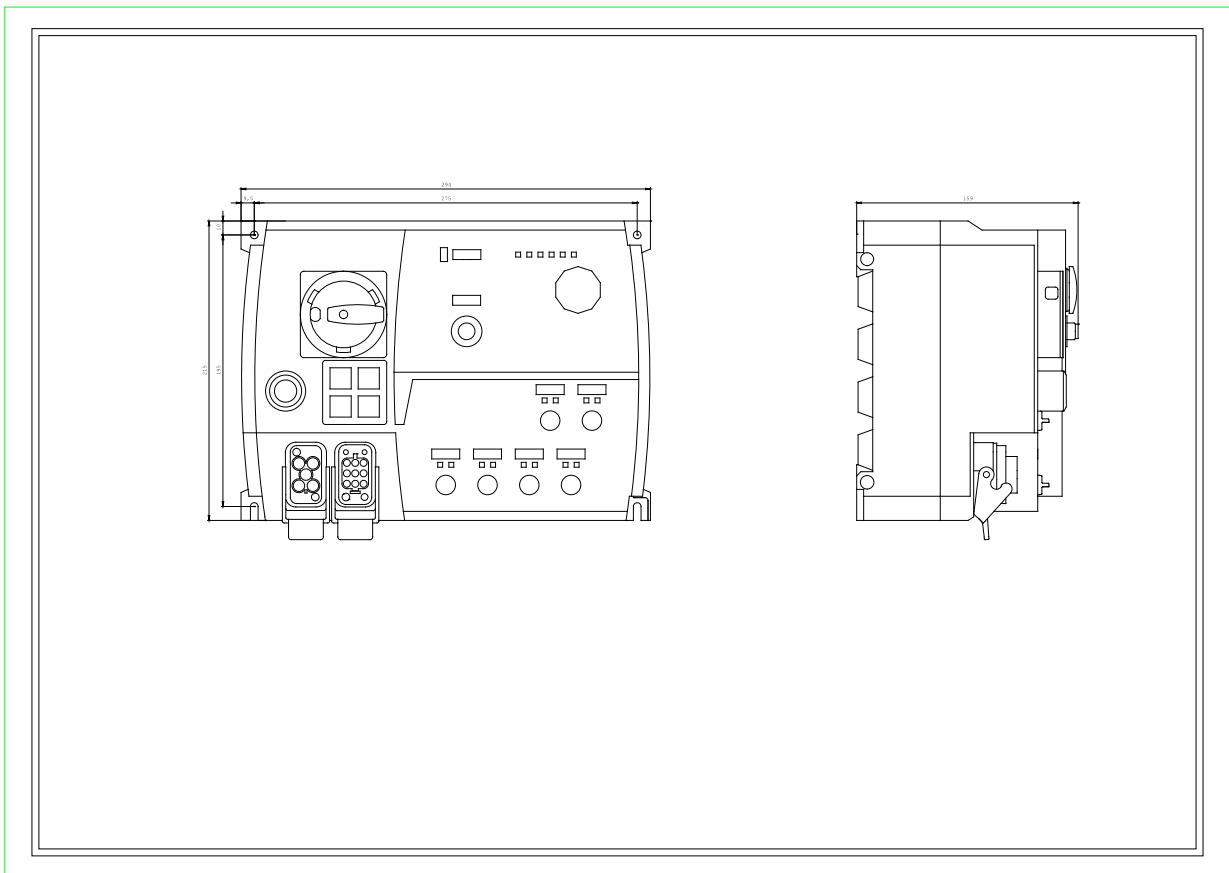
<http://www.siemens.com/cax>

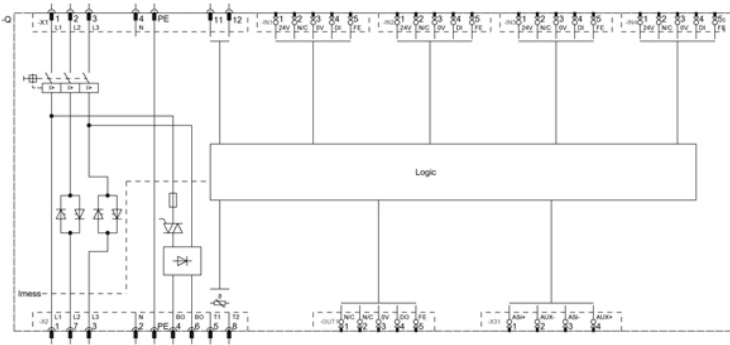
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3RK1325-6KS71-0AA5/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK1325-6KS71-0AA5](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1325-6KS71-0AA5)





last change:

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