

SIRIUS motor starter M200D AS-i Communication: AS-Interface  
 Reversing starter standard Electronic switching AC-3, 5.5 kW / 400 V  
 1.5 A...12.00 A Electronic overload protection Thermistor:  
 THERMOCLICK / PTC with brake contact 180 V DC 4 DI / 1 DO AS-i  
 Han Q4/2 - Han Q8/0



Product brand name	SIRIUS
Product designation	Motor starters
Design of the product	reversing starter
Product type designation	M200D
Product function	
• on-site operation	No
• Control circuit interface to parallel wiring	No
Degree of pollution	3
Surge voltage resistance rated value	6 000 V
maximum permissible voltage for safe isolation	
• between main and auxiliary circuit	400 V
• between control and auxiliary circuit	24 V
Protection class IP	IP65
Shock resistance	12g / 11 ms
Type of assignment	1
Certificate of suitability	CE
Reference code acc. to DIN EN 61346-2	Q
Product function	
• direct start	No

• reverse starting	Yes
<b>Product component Motor brake output</b>	Yes
<b>Product feature</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>Product function Short circuit protection</b>	Yes
<b>Design of short-circuit protection</b>	circuit-breakers
<b>Trip class</b>	CLASS 5, 10, 15, 20
<b>Maximum short-circuit current breaking capacity (Icu)</b>	
• at 400 V rated value	50 000 A
• at 500 V rated value	20 000 A
EMC emitted interference acc. to IEC 60947-1	CISPR11, ambience A (group 2)
<b>EMI immunity acc. to IEC 60947-1</b>	corresponds to degree of severity 3, ambience A (industrial sector)
<b>Conducted interference</b>	
• due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV
• due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV
<b>Protection against electrical shock</b>	finger-safe
<b>Main circuit</b>	
<b>Number of poles for main current circuit</b>	3
<b>Design of the switching contact</b>	solid-state / thyristor / 2 phases
<b>Adjustable pick-up value current of the current-dependent overload release</b>	1.5 ... 12 A
<b>Type of the motor protection</b>	full motor protection
Operating voltage rated value	360 ... 440 V
<b>Operating current</b>	
• at AC at 400 V rated value	12 A
• at AC-3 at 400 V rated value	12 A
Operating power at AC-3	
• at 400 V rated value	5.5 kW
• at 500 V rated value	5 500 W
<b>Product function</b>	
• digital inputs parameterizable	Yes
• digital outputs parameterizable	Yes
<b>Number of digital inputs</b>	4
<b>Number of sockets</b>	

• for digital output signals	1
• for digital input signals	4
<b>Number of digital outputs</b>	1

#### Supply voltage

<b>Type of voltage of the supply voltage</b>	DC
<b>Supply voltage 1 at DC rated value</b>	30 V
• minimum permissible	26.5 V
• maximum permissible	31.6 V

#### Control circuit/ Control

<b>Type of voltage of the control supply voltage</b>	DC
<b>Control supply voltage at DC</b>	
• rated value	20.4 ... 28.8 V
<b>Control supply voltage 1</b>	
• at DC rated value	24 V
• at DC rated value	20.4 ... 28.8 V
• at DC	20.4 ... 28.8 V
<b>Power loss [W] in auxiliary and control circuit</b>	
• in switching state OFF with bypass circuit	1.9872 W
• in switching state ON with bypass circuit	8.2656 W


#### Response times

<b>Switch-on delay time</b>	25 ms
<b>Off-delay time</b>	35 ms
<b>Mounting position</b>	vertical, horizontal, flat
• recommended	horizontal
<b>Mounting type</b>	screw fixing
<b>Height</b>	215 mm
<b>Width</b>	294 mm
<b>Depth</b>	159 mm
Installation altitude at height above sea level maximum	2 000 m
Relative humidity during operation	10 ... 95 %
<b>Protocol is supported</b>	
• PROFIBUS DP protocol	No
• PROFINET protocol	No
<b>Design of the interface</b>	
• AS-Interface protocol	Yes
• PROFINET protocol	No
• PROFIBUS DP protocol	No
<b>Product function Bus communication</b>	Yes
Protocol is supported AS-Interface protocol	Yes
Product function Control circuit interface with IO link	No

Type of electrical connection of the communication interface	M12 plug
<b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>• 1 for digital input signals</li> <li>• 1 for digital output signals</li> <li>• 2 for digital input signals</li> <li>• 3 for digital input signals</li> <li>• 4 for digital input signals</li> </ul>	M12 socket M12 socket M12 socket M12 socket M12 socket
<b>Type of electrical connection</b> <ul style="list-style-type: none"> <li>• at the manufacturer-specific device interface</li> <li>• for device addressing</li> <li>• for supply voltage line-side</li> </ul>	optical interface M12 plug M12 plug

### Certificates/ approvals

<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>
 CCC	 CSA	 UL
 EAC		 RCM
 EG-Konf.		

<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>
<a href="#">Miscellaneous</a>	<a href="#">Type Test Certificates/Test Report</a>	 ASi
		<a href="#">Confirmation</a>

### Further information

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

[www.siemens.com/sirius/catalogs](http://www.siemens.com/sirius/catalogs)

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1325-6LS71-1AA5>

**Cax online generator**

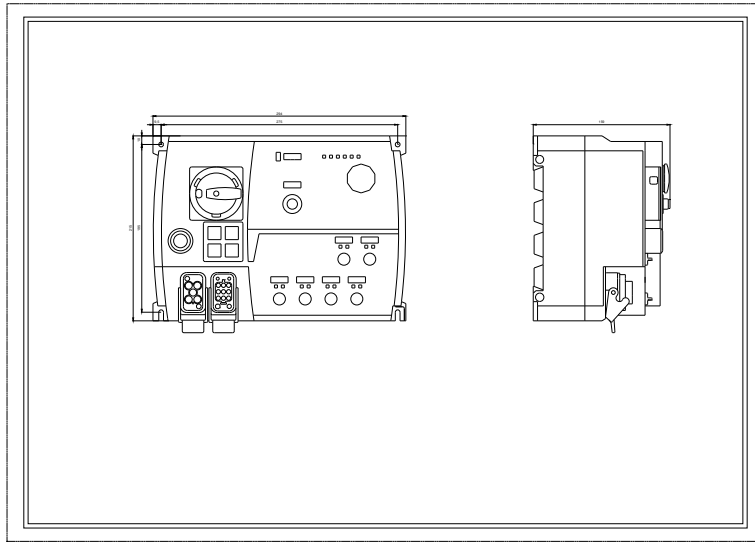
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1325-6LS71-1AA5>

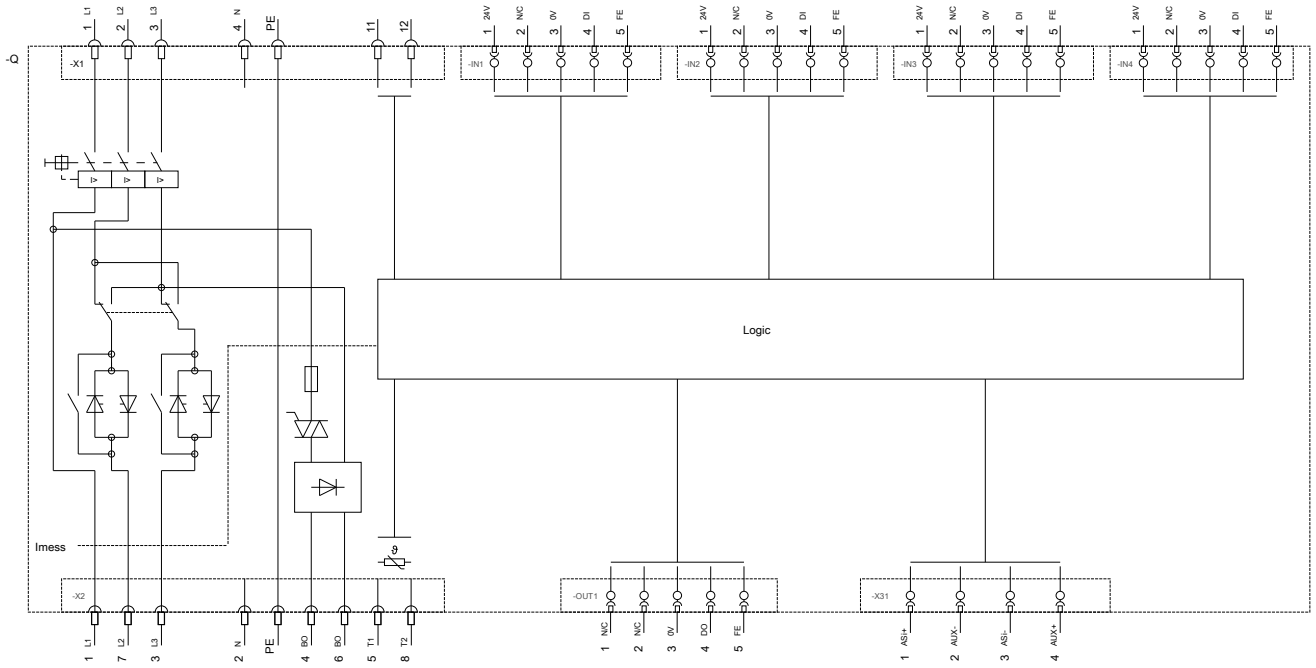
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1325-6LS71-1AA5>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1325-6LS71-1AA5&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1325-6LS71-1AA5&lang=en)





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