



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter  
 Standard Mechanical 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 with manual on-site operation and key-  
 operated switch

<b>product brand name</b>	SIRIUS
<b>product designation</b>	Motor starters
<b>design of the product</b>	direct starter
<b>product type designation</b>	M200D
<b>product function</b>	
• on-site operation	Yes
• control circuit interface to parallel wiring	No
<b>insulation voltage rated value</b>	500 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	6 000 V
<b>maximum permissible voltage for protective separation</b>	
• between main and auxiliary circuit	400 V
• between control and auxiliary circuit	24 V
<b>protection class IP</b>	IP65
<b>shock resistance</b>	12g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	10 000 000
<b>type of assignment</b>	1
<b>certificate of suitability</b>	CE
<b>Substance Prohibitance (Date)</b>	07/01/2006
<b>SVHC substance name</b>	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
<b>product function</b>	
• direct start	Yes
• reverse starting	No
<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>maximum short-circuit current breaking capacity (Icu)</b>	
• at 400 V rated value	50 000 A
• at 500 V rated value	50 000 A
EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (industrial sector)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)

<b>conducted interference</b>	
<ul style="list-style-type: none"> <li>• due to burst according to IEC 61000-4-4</li> <li>• due to conductor-earth surge according to IEC 61000-4-5</li> <li>• due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	2 kV network connection / 1 kV control connection 2 kV 1 kV
<b>touch 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>	electromechanical
<b>adjustable current response value current of the current-dependent overload release</b>	1.5 ... 12 A
<b>type of the motor protection</b>	full motor protection
<b>operating voltage rated value</b>	200 ... 440 V
<b>operational current</b>	
<ul style="list-style-type: none"> <li>• at AC at 400 V rated value</li> <li>• at AC-3 at 400 V rated value</li> </ul>	12 A 12 A
<b>operating power</b>	
<ul style="list-style-type: none"> <li>• at AC-3               <ul style="list-style-type: none"> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> </ul> </li> <li>• at AC-3e               <ul style="list-style-type: none"> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> </ul> </li> </ul>	5.5 kW 5 500 W 6 kW 5.5 kW
<b>product function</b>	
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> <li>• digital outputs parameterizable</li> </ul>	Yes Yes
<b>number of digital inputs</b>	4
<b>number of sockets</b>	
<ul style="list-style-type: none"> <li>• for digital output signals</li> <li>• for digital input signals</li> </ul>	1 4
<b>number of digital outputs</b>	1
<b>Supply voltage</b>	
<b>type of voltage of the supply voltage</b>	DC
<b>supply voltage 1 at DC</b>	24 V
<b>supply voltage 1 at DC rated value</b>	30 V
<ul style="list-style-type: none"> <li>• minimum permissible</li> <li>• maximum permissible</li> </ul>	26.5 V 31.6 V
<b>Control circuit/ Control</b>	
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC rated value</b>	20.4 ... 28.8 V
<b>control supply voltage 1</b>	
<ul style="list-style-type: none"> <li>• at DC rated value</li> <li>• at DC rated value</li> <li>• at DC</li> </ul>	24 V 20.4 ... 28.8 V 20.4 ... 28.8 V
<b>control current at DC</b>	
<ul style="list-style-type: none"> <li>• in standby mode of operation</li> <li>• during operation</li> </ul>	100 mA 0.6 A
<b>power loss [W] in auxiliary and control circuit</b>	
<ul style="list-style-type: none"> <li>• in switching state OFF with bypass circuit</li> <li>• in switching state ON with bypass circuit</li> </ul>	2.0736 W 4.1184 W
<b>Response times</b>	
<b>ON-delay time</b>	85 ms
<b>OFF-delay time</b>	65 ms
<b>mounting position</b>	vertical, horizontal, flat
<ul style="list-style-type: none"> <li>• recommended</li> </ul>	horizontal
<b>fastening method</b>	screw fixing
<b>height</b>	215 mm
<b>width</b>	294 mm
<b>depth</b>	159 mm
<b>Ambient conditions</b>	
<b>installation altitude at height above sea level maximum</b>	2 000 m

<b>ambient temperature</b>	
• during operation	-25 ... +55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
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>	
• for main current circuit	plug according to ISO 23570, HAN Q4/2
• for auxiliary and control circuit	connector
<b>type of electrical connection</b>	
• 1 for digital input signals	M12 socket
• 1 for digital output signals	M12 socket
• 2 for digital input signals	M12 socket
• 3 for digital input signals	M12 socket
• 4 for digital input signals	M12 socket
<b>type of electrical connection</b>	
• at the manufacturer-specific device interface	optical interface
• for device addressing	M12 plug
• for supply voltage line-side	M12 plug
full-load current (FLA) for 3-phase AC motor at 480 V rated value	11 A
<b>yielded mechanical performance [hp]</b>	
• for 3-phase AC motor	
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
— at 575/600 V rated value	10 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

**Certificates/ approvals**

<b>General Product Approval</b>	<b>EMC</b>
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[Confirmation](#)



<b>Declaration of Conformity</b>	<b>Test Certificates</b>	<b>other</b>	<b>Dangerous Good</b>
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[Type Test Certificates/Test Report](#)



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**Further information**

Siemens has decided to exit the Russian market (see here).  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.  
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>  
Information- and Downloadcenter (Catalogs, Brochures,...)  
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1325-6LS41-2AA5>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1325-6LS41-2AA5>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1325-6LS41-2AA5>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1325-6LS41-2AA5&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1325-6LS41-2AA5&lang=en)



