



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 2DI AS-i + 2DI / 1DO on device 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>trip class</b>	CLASS 10
<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 safe isolation</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
<b>vibration resistance</b>	7 mm / 2g
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>product function</b>	
• direct start	Yes
• reverse starting	No
<b>product component motor brake output</b>	No
<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	No
• 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>	
• due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection

<ul style="list-style-type: none"> <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
touch protection against electrical shock	finger-safe
<b>Main circuit</b>	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	1.5 ... 12 A
type of the motor protection	full motor protection
operating voltage rated value	200 ... 440 V
operational current	
<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
operating power	
<ul style="list-style-type: none"> <li>• at AC-3</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> </ul>	5.5 kW
	5 500 W
product function	
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> <li>• digital outputs parameterizable</li> </ul>	No
	No
number of digital inputs	4
number of sockets	
<ul style="list-style-type: none"> <li>• for digital output signals</li> <li>• for digital input signals</li> </ul>	1
	4
number of digital outputs	1
<b>Supply voltage</b>	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 V
supply voltage 1 at DC rated value	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>	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	20.4 ... 28.8 V
control supply voltage 1	
<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
control current at DC	
<ul style="list-style-type: none"> <li>• in standby mode of operation</li> <li>• during operation</li> </ul>	0.1 A
	0.6 A
power loss [W] in auxiliary and control circuit	
<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>	
ON-delay time	85 ms
OFF-delay time	65 ms
mounting position	vertical, horizontal, flat
<ul style="list-style-type: none"> <li>• recommended</li> </ul>	horizontal
fastening method	screw fixing
height	215 mm
width	294 mm
depth	159 mm
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +55 °C
	-40 ... +70 °C
	-40 ... +70 °C
relative humidity during operation	10 ... 95 %
protocol is supported	

<ul style="list-style-type: none"> <li>• PROFIBUS DP protocol</li> <li>• PROFINET protocol</li> </ul>	No
<b>design of the interface</b>	No
<ul style="list-style-type: none"> <li>• AS-Interface protocol</li> <li>• PROFINET protocol</li> <li>• PROFIBUS DP protocol</li> </ul>	Yes
<b>product function bus communication</b>	No
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	Yes
type of electrical connection of the communication interface	No
<b>type of electrical connection</b>	M12 plug
<ul style="list-style-type: none"> <li>• for main current circuit</li> <li>• for auxiliary and control circuit</li> </ul>	plug according to ISO 23570, HAN Q4/2 connector
<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
full-load current (FLA) for 3-phase AC motor at 480 V rated value	M12 plug
	M12 plug
	11 A
<b>yielded mechanical performance [hp]</b>	
<ul style="list-style-type: none"> <li>• for 3-phase AC motor <ul style="list-style-type: none"> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> </ul> </li> </ul>	3 hp
	7.5 hp
	10 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

#### Certificates/ approvals

##### General Product Approval

##### EMC



[Confirmation](#)



##### Declaration of Conformity

##### Test Certificates

##### other

##### Dangerous Good



[Type Test Certificates/Test Report](#)



[Confirmation](#)

[Transport Information](#)

#### Further information

##### 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=3RK1315-6LS41-2AA0>

##### Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6LS41-2AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6LS41-2AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1315-6LS41-2AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6LS41-2AA0&lang=en)



