## **SIEMENS**

## **Data sheet**



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 with brake contact 400 V AC 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
product function	
on-site operation	Yes
<ul> <li>control circuit interface to parallel wiring</li> </ul>	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 000 V
maximum permissible voltage for protective separation	
<ul> <li>between main and auxiliary circuit</li> </ul>	400 V
<ul> <li>between control and auxiliary circuit</li> </ul>	24 V
protection class IP	IP65
shock resistance	12g / 11 ms
mechanical service life (operating cycles) of the main contacts typical	10 000 000
type of assignment	1
certificate of suitability	CE
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product function	
direct start	Yes
reverse starting	No
product component motor brake output	Yes
product feature	
<ul> <li>brake control with 230 V AC</li> </ul>	Yes
<ul> <li>brake control with 400 V AC</li> </ul>	Yes
<ul> <li>brake control with 24 V DC</li> </ul>	No
<ul> <li>brake control with 180 V DC</li> </ul>	No
<ul> <li>brake control with 500 V DC</li> </ul>	No
product extension braking module for brake control	No
product function short circuit protection	Yes
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (Icu)	
	50 000 A
<ul> <li>at 400 V rated value</li> </ul>	50 000 A
<ul><li>at 400 V rated value</li><li>at 500 V rated value</li></ul>	50 000 A 50 000 A

conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection
due to conductor-earth surge according to IEC 61000-4-5	2 kV
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	1 kV
touch protection against electrical shock	finger-safe
Main circuit	
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> <li>at AC at 400 V rated value</li> </ul>	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
• at AC-3e	
— at 400 V rated value	6 kW
— at 500 V rated value	5.5 kW
product function	
digital inputs parameterizable	No
digital outputs parameterizable	No
number of digital inputs	4
number of sockets	
for digital output signals	1
for digital input signals	4
number of digital outputs	1
Supply voltage	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 V
supply voltage 1 at DC rated value	30 V
minimum permissible	26.5 V
maximum permissible	31.6 V
Control circuit/ Control	
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	
at DC rated value	24 V
at DC rated value	20.4 28.8 V
• at DC	20.4 28.8 V
control current at DC	
• in standby mode of operation	100 mA
during operation	0.6 A
power loss [W] in auxiliary and control circuit	
in switching state OFF with bypass circuit	2.0736 W
in switching state ON with bypass circuit	4.1184 W
Response times	
<del>·</del>	85 ms
ON-delay time OFF-delay time	65 ms
mounting position	vertical, horizontal, flat
a recommended	horizontal
• recommended	
fastening method	screw fixing
fastening method height	screw fixing 215 mm
fastening method height width	screw fixing 215 mm 294 mm
fastening method height	screw fixing 215 mm

ambient temperature	
during operation	-25 +55 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
relative humidity during operation	10 95 %
protocol is supported	
PROFIBUS DP protocol	No
PROFINET protocol	No
design of the interface	
AS-Interface protocol	Yes
PROFINET protocol	No
PROFIBUS DP protocol	No
product function bus communication	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
type of electrical connection	
for main current circuit	plug according to ISO 23570, HAN Q4/2
<ul> <li>for auxiliary and control circuit</li> </ul>	connector
type of electrical connection	
<ul> <li>1 for digital input signals</li> </ul>	M12 socket
1 for digital output signals	M12 socket
<ul> <li>2 for digital input signals</li> </ul>	M12 socket
<ul> <li>3 for digital input signals</li> </ul>	M12 socket
<ul> <li>4 for digital input signals</li> </ul>	M12 socket
type of electrical connection	
• at the manufacturer-specific device interface	optical interface
<ul> <li>for device addressing</li> </ul>	M12 plug
<ul> <li>for supply voltage line-side</li> </ul>	M12 plug
full-load current (FLA) for 3-phase AC motor at 480 V rated value	11 A
yielded mechanical performance [hp]	
• 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

General Product Approval



Confirmation









**Declaration of Conformity** 

**Test Certificates** 

other





Type Test Certificates/Test Report



Confirmation

**Transport Information** 

**Dangerous Good** 

## 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

 $Information-\ and\ Download center\ (Catalogs,\ Brochures, \ldots)$ 

https://www.siemens.com/ic10

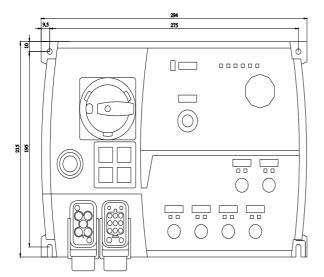
Industry Mall (Online ordering system)

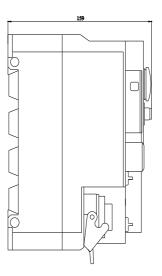
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6LS41-2AA3

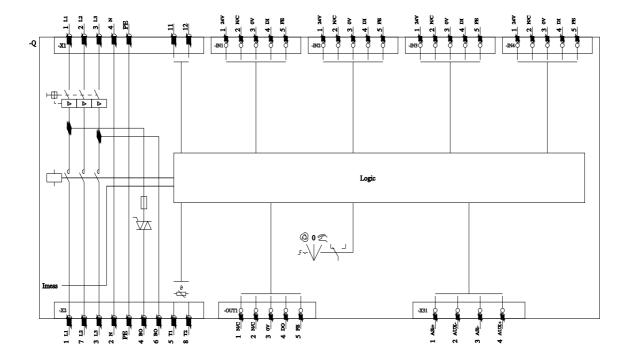
Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6LS41-2AA3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1315-6LS41-2AA3&lang=en







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