## SIEMENS

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## Data sheet

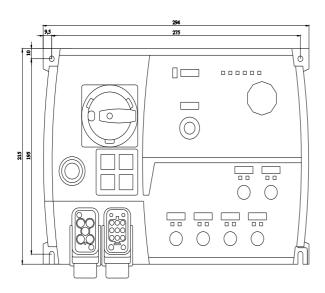
## 3RK1315-6LS41-2AA5

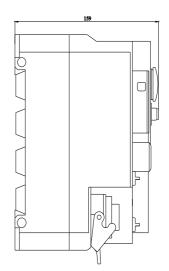
SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 180 V DC 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch

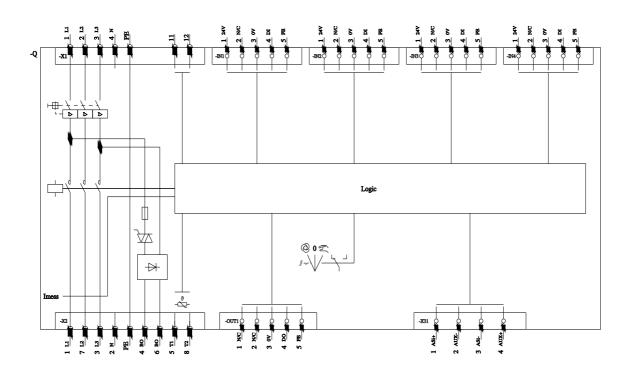
product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
trip class	CLASS 10
product function	
<ul> <li>on-site operation</li> </ul>	Yes
<ul> <li>control circuit interface to parallel wiring</li> </ul>	No
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 000 V
maximum permissible voltage for safe isolation	
<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
vibration resistance	7 mm / 2g
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
product function	
<ul> <li>direct start</li> </ul>	Yes
<ul> <li>reverse starting</li> </ul>	No
product component motor brake output	Yes
product feature	
<ul> <li>brake control with 230 V AC</li> </ul>	No
<ul> <li>brake control with 400 V AC</li> </ul>	No
<ul> <li>brake control with 24 V DC</li> </ul>	No
<ul> <li>brake control with 180 V DC</li> </ul>	Yes
<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 (lcu)	
<ul> <li>at 400 V rated value</li> </ul>	50 000 A
<ul> <li>at 500 V rated value</li> </ul>	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)
conducted interference	
• due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection

<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
<ul> <li>due to conductor-conductor surge according to IEC</li> </ul>	1 kV
61000-4-5	
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	1.5 12 A
current-dependent overload release	
type of the motor protection	full motor protection 200 440 V
operating voltage rated value operational current	200 440 V
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
product function	
<ul> <li>digital inputs parameterizable</li> </ul>	No
<ul> <li>digital outputs parameterizable</li> </ul>	No
number of digital inputs	4
number of sockets	
for digital output signals	1
<ul> <li>for digital input signals</li> </ul>	4
number of digital outputs	1
Supply voltage	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 V 20 V
<ul> <li>supply voltage 1 at DC rated value</li> <li>minimum permissible</li> </ul>	30 V 26.5 V
minimum permissible     maximum permissible	20.5 V 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	
<ul> <li>in standby mode of operation</li> </ul>	0.1 A
during operation	0.6 A
power loss [W] in auxiliary and control circuit	
<ul> <li>in switching state OFF with bypass circuit</li> </ul>	2.0736 W
in switching state ON with bypass circuit	4.1184 W
Response times	05 mg
ON-delay time	85 ms 65 ms
OFF-delay time mounting position	vertical, horizontal, flat
recommended	horizontal
fastening method	screw fixing
height	215 mm
width	294 mm
depth	159 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +55 °C
<ul> <li>during storage</li> </ul>	-40 +70 °C
<ul> <li>during transport</li> </ul>	-40 +70 °C
relative humidity during operation	10 95 %
protocol is supported	

PROFIBUS DP protocol	No			
PROFINET protocol	No			
design of the interface	INU			
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	M12 plug			
interface	Mitz 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			
3 for digital input signals	M12 socket			
4 for digital input signals	M12 socket			
type of electrical connection				
<ul> <li>at the manufacturer-specific device interface</li> </ul>	optical interface			
for device addressing	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	11 A			
rated value				
yielded mechanical performance [hp]				
<ul> <li>for 3-phase AC motor</li> </ul>				
— 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	600 V			
	600 V			
UL rated value	800 V			
	600 V	_		
UL rated value	600 V		EMC	
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