## SIEMENS

## Data sheet

## 3RK1325-6KS41-2AA5



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Standard Mechanical switching AC-3, 0.75KW / 400 V 0.15 A...2.00 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 keyoperated switch

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
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 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	2
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
	Tes
product feature	
<ul><li>product feature</li><li>brake control with 230 V AC</li></ul>	No
-	
brake control with 230 V AC	No
<ul><li>brake control with 230 V AC</li><li>brake control with 400 V AC</li></ul>	No No
<ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> </ul>	No No
<ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> </ul>	No No No Yes
<ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> <li>brake control with 500 V DC</li> </ul>	No No Yes No
<ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> <li>brake control with 500 V DC</li> </ul> product extension braking module for brake control	No No Yes No
brake control with 230 V AC     brake control with 400 V AC     brake control with 24 V DC     brake control with 180 V DC     brake control with 500 V DC  product extension braking module for brake control  product function short circuit protection	No No No Yes No No Yes
brake control with 230 V AC     brake control with 400 V AC     brake control with 24 V DC     brake control with 180 V DC     brake control with 500 V DC  product extension braking module for brake control product function short circuit protection  design of short-circuit protection	No No No Yes No No Yes
brake control with 230 V AC     brake control with 400 V AC     brake control with 24 V DC     brake control with 180 V DC     brake control with 500 V DC  product extension braking module for brake control  product function short circuit protection  design of short-circuit protection  maximum short-circuit current breaking capacity (Icu)	No No No Yes No No Yes circuit-breakers
brake control with 230 V AC     brake control with 400 V AC     brake control with 24 V DC     brake control with 180 V DC     brake control with 500 V DC     product extension braking module for brake control     product function short circuit protection     design of short-circuit protection     maximum short-circuit current breaking capacity (Icu)         e at 400 V rated value	No No No Yes No No Yes circuit-breakers 50 000 A
<ul> <li>brake control with 230 V AC</li> <li>brake control with 400 V AC</li> <li>brake control with 24 V DC</li> <li>brake control with 180 V DC</li> <li>brake control with 500 V DC</li> </ul> product extension braking module for brake control product function short circuit protection design of short-circuit protection maximum short-circuit current breaking capacity (Icu) <ul> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	No No No Yes No No Yes circuit-breakers 50 000 A 50 000 A

conducted interference	
due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge according to IEC 61000-4-5	2 kV
due to conductor-conductor surge according to IEC     61000-4-5	1 kV
touch protection against electrical shock	finger-safe
Aain 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	0.15 2 A
type of the motor protection	full motor protection
operating voltage rated value	200 440 V
operational current	
• at AC at 400 V rated value	2 A
• at AC-3 at 400 V rated value	2 A
operating power	
• at AC-3	
— at 400 V rated value	0.75 kW
— at 500 V rated value	750 W
• at AC-3e	
— at 400 V rated value	1 kW
— at 500 V rated value	0.75 kW
product function	
digital inputs parameterizable	Yes
digital inputs parameterizable	Yes
number of digital inputs	4
number of sockets	
for digital output signals	1
	4
for digital input signals  number of digital outputs	1
Supply voltage	
	DC
type of voltage of the supply voltage supply voltage 1 at DC	24 V
supply voltage 1 at DC supply voltage 1 at DC supply voltage 1 at DC rated value	30 V
minimum permissible	26.5 V
maximum permissible	20.5 V 31.6 V
maximum permissible Control circuit/ Control	
	DC .
type of voltage of the control supply voltage	
control supply voltage at DC rated value	20.4 28.8 V
control supply voltage 1	24.14
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	600 mA
power loss [W] in auxiliary and control circuit	
in switching state OFF with bypass circuit	2.0736 W
<ul> <li>in switching state ON with bypass circuit</li> </ul>	4.1184 W
Response times	
ON-delay time	85 ms
	85 ms 65 ms
ON-delay time	
ON-delay time OFF-delay time	65 ms
ON-delay time OFF-delay time mounting position	65 ms vertical, horizontal, flat
ON-delay time OFF-delay time mounting position • recommended	65 ms vertical, horizontal, flat horizontal
ON-delay time OFF-delay time mounting position • recommended fastening method	65 ms vertical, horizontal, flat horizontal screw fixing
ON-delay time OFF-delay time mounting position • recommended fastening method height	65 ms vertical, horizontal, flat horizontal screw fixing 215 mm

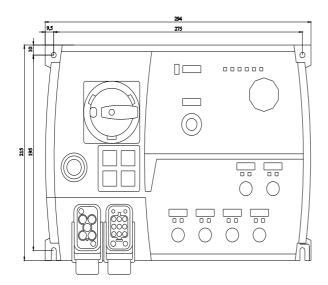
ambient temperature		
during operation	-25 +55 °C	
during storage	-40 +70 °C	
during transport	-40 +70 °C	
relative humidity during operation	10 95 %	
protocol is supported		
PROFIBUS DP protocol	No	
PROFINET protocol	No	
design of the interface		
AS-Interface protocol	Yes	
PROFINET protocol	No	
PROFIBUS DP protocol	No	
product function bus communication	Yes	
•	Yes	
protocol is supported AS-Interface protocol		
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	
<ul> <li>1 for digital output signals</li> </ul>	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		
<ul> <li>at the manufacturer-specific device interface</li> </ul>	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	1.6 A	
yielded mechanical performance [hp]		
<ul> <li>for 3-phase AC motor</li> </ul>		
— at 460/480 V rated value	0.7 hp	
— at 575/600 V rated value	1 hp	
operating voltage at AC at 60 Hz according to CSA and UL	600 V	
rated value		
rated value		
rated value		EMC
rated value	<b>•</b> • • • •	EMC
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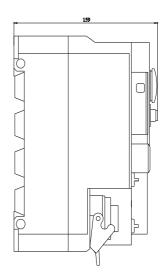
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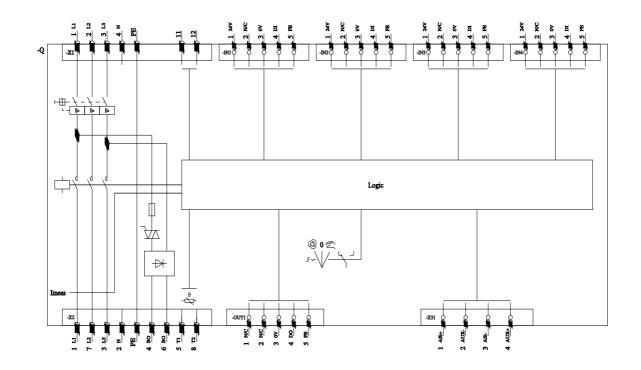
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1325-6KS41-2AA5&lang=en







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