## SIEMENS

## Data sheet

## 3RK1315-6KS71-1AA5

SIRIUS motor starter M200D AS-i Communication: AS-Interface Reversing starter Basic Electronic 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 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0



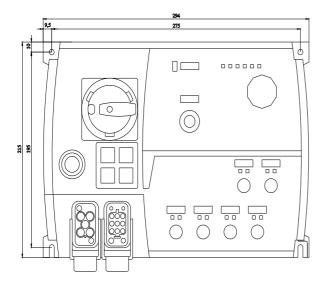
product brand name	SIRIUS		
product designation	Motor starters		
design of the product	reversing starter		
product type designation	M200D		
product function			
on-site operation	No		
<ul> <li>control circuit interface to parallel wiring</li> </ul>	No		
insulation voltage rated value	500 V		
degree of 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		
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	No		
reverse starting	Yes		
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 (Icu)			
• at 400 V rated value	50 000 A		
• at 500 V rated value	20 000 A		
EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (group 2)		
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)		
conducted interference			
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection		

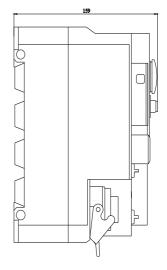
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV		
due to conductor-conductor surge according to IEC	2 KV 1 KV		
61000-4-5			
touch protection against electrical shock	finger-safe		
Main circuit			
number of poles for main current circuit	3		
design of the switching contact	solid-state / thyristor / 2 phases		
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			
<ul> <li>digital inputs parameterizable</li> </ul>	No		
<ul> <li>digital outputs parameterizable</li> </ul>	No		
number of digital inputs	4		
number of sockets			
<ul> <li>for digital output signals</li> </ul>	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		
supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V		
<ul> <li>supply voltage 1 at DC rated value</li> <li>minimum permissible</li> <li>maximum permissible</li> </ul>	30 V		
• minimum permissible	30 V 26.5 V		
<ul> <li>supply voltage 1 at DC rated value</li> <li>minimum permissible</li> <li>maximum permissible</li> </ul>	30 V 26.5 V		
supply voltage 1 at DC rated value <ul> <li>minimum permissible</li> <li>maximum permissible</li> </ul> <li>Control circuit/ Control</li>	30 V 26.5 V 31.6 V		
supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC		
supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC		
supply voltage 1 at DC rated value	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC rated value         • at DC         control current at DC	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit         • in switching state OFF with bypass circuit	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit         • in switching state OFF with bypass circuit         • in switching state ON with bypass circuit	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V		
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supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit         • in switching state OFF with bypass circuit         • in switching state ON with bypass circuit         • in switching state ON with bypass circuit         • ON-delay time	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 1.9584 W 6.9408 W		
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supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit         • in switching state OFF with bypass circuit         • in switching state OFF with bypass circuit         • in switching state ON with bypass circuit	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal		
supply voltage 1 at DC rated value         • minimum permissible         • maximum permissible         Control circuit/ Control         type of voltage of the control supply voltage         control supply voltage at DC rated value         control supply voltage 1         • at DC rated value         • at DC rated value         • at DC         control current at DC         • in standby mode of operation         • during operation         power loss [W] in auxiliary and control circuit         • in switching state OFF with bypass circuit         • in switching state ON with bypass circuit	30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 1.9584 W 6.9408 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing		
supply voltage 1 at DC rated value	30 V         26.5 V         31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         100 mA         600 mA         1.9584 W         6.9408 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm		
supply voltage 1 at DC rated value	30 V         26.5 V         31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         600 mA         1.9584 W         6.9408 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm		
supply voltage 1 at DC rated value <ul> <li>minimum permissible</li> <li>maximum permissible</li> </ul> <li>Control circuit/ Control <ul> <li>type of voltage of the control supply voltage</li> <li>control supply voltage at DC rated value</li> <li>control supply voltage 1 <ul> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC</li> </ul> </li> <li>control current at DC <ul> <li>in standby mode of operation</li> <li>during operation</li> </ul> </li> <li>power loss [W] in auxiliary and control circuit <ul> <li>in switching state OFF with bypass circuit</li> <li>in switching state OFF with bypass circuit</li> <li>oN-delay time</li> </ul> </li> <li>OFF-delay time <ul> <li>mounting position</li> <li>recommended</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> </ul></li>	30 V         26.5 V         31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         100 mA         600 mA         1.9584 W         6.9408 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm		
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supply voltage 1 at DC rated value  • minimum permissible • maximum permissible Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1 • at DC rated value • at DC rated value • at DC control current at DC • in standby mode of operation • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state OFF with bypass circuit • in switching state ON with bypass circuit • in stallation altitude at height above sea level maximum	30 V         26.5 V         31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         600 mA         1.9584 W         6.9408 W         Z5 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm		
supply voltage 1 at DC rated value <ul> <li>minimum permissible</li> <li>maximum permissible</li> </ul> <li>Control circuit/ Control <ul> <li>type of voltage of the control supply voltage</li> <li>control supply voltage at DC rated value</li> <li>control supply voltage 1 <ul> <li>at DC rated value</li> <li>at DC rated value</li> <li>at DC</li> </ul> </li> <li>control current at DC <ul> <li>in standby mode of operation</li> <li>during operation</li> </ul> </li> <li>power loss [W] in auxiliary and control circuit <ul> <li>in switching state OFF with bypass circuit</li> <li>in switching state ON with bypass circuit</li> <li>recommended</li> </ul> </li> <li>oFF-delay time <ul> <li>oFF-delay time</li> <li>mounting position</li> <li>recommended</li> <li>fastening method</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> </ul></li>	30 V         26.5 V         31.6 V         DC         20.4 28.8 V         24 V         20.4 28.8 V         20.4 28.8 V         20.4 28.8 V         100 mA         600 mA         1.9584 W         6.9408 W         25 ms         35 ms         vertical, horizontal, flat         horizontal         screw fixing         215 mm         294 mm         159 mm		

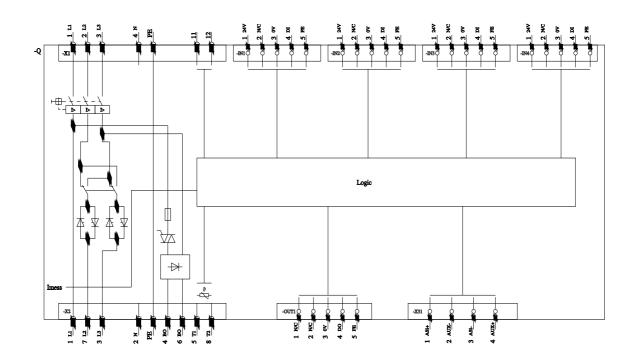
during storage	-40 +70 °C			
during transport	-40 +70 °C			
relative humidity during operation	10 95 %			
protocol is supported				
PROFIBUS DP protocol	No			
PROFINET protocol	No			
design of the interface				
AS-Interface protocol	Yes			
PROFINET protocol	No			
PROFIBUS DP protocol	No			
product function 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				
<ul> <li>for main current circuit</li> </ul>	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	M12 socket		
<ul> <li>3 for digital input signals</li> </ul>	M12 socket	M12 socket		
<ul> <li>4 for digital input signals</li> </ul>	M12 socket	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]				
• for 3-phase AC motor				
— at 460/480 V rated value	0.7 hp			
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V			
Certificates/ approvals				
General Product Approval			EMC	
Confirm	ation 🕋		<b>A</b>	
	(VL)	FHI	<u>/</u> (A)	
CSA CCC		LIIL	RCM	
Declaration of Conformity Test Certifi	cates other		Dangerous Good	
Type Test		<b>Confirmation</b>	Transport Information	
	Report As			
EG-Konf.	AG			
CE UK ates/Test ates/Test	ASi			

## **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=3RK1315-6KS71-1AA5 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6KS71-1AA5 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6KS71-1AA5 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RK1315-6KS71-1AA5&lang=en







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