Data sheet



SIRIUS motor starter M200D Technology module DOL starter Electronic 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 4 DI / 2 DO Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch via communication module 3RK1305* can be used on PROFIBUS or PROFINET

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
product function	
 on-site operation 	Yes
 control circuit interface to parallel wiring 	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	
 between main and auxiliary circuit 	400 V
 between control and auxiliary circuit 	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-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 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	
 brake control with 230 V AC 	Yes
 brake control with 400 V AC 	Yes
 brake control with 24 V DC 	No
 brake control with 180 V DC 	No
 brake control with 500 V DC 	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	

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 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	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	1.5 12 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 	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	Yes
digital outputs parameterizable	Yes
number of digital inputs	4
number of sockets	
for digital output signals	2
for digital input signals	4
number of digital outputs	2
Supply voltage	
type of voltage of the supply voltage	DC
type of voltage of the supply voltage	DC
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	DC DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1	DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value	DC 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC	DC
type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC	DC 20.4 28.8 V 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • at DC rated value • at DC control current at DC • in standby mode of operation • during operation	DC 20.4 28.8 V 20.4 28.8 V
type of voltage of the control supply voltage control supply voltage 1 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A
type of voltage of the control supply voltage control supply voltage 1 • 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W
type of voltage of the control supply voltage control supply voltage 1 • 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A
type of voltage of the control supply voltage control supply voltage 1 • 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W
type of voltage of the control supply voltage control supply voltage 1 • 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	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 • 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 Response times	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing
type of voltage of the control supply voltage control supply voltage 1 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 response times ON-delay time OFF-delay time mounting position recommended fastening method height	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time OFF-delay time mounting position recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
Control circuit/ Control type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time OFF-delay time mounting position recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C
type of voltage of the control supply voltage control supply voltage 1 • 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 Response times ON-delay time OFF-delay time mounting position • recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C
type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time OFF-delay time mounting position recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C -40 +70 °C
type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time OFF-delay time mounting position recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport relative humidity during operation	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C
type of voltage of the control supply voltage control supply voltage 1 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 Response times ON-delay time OFF-delay time mounting position recommended fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport	DC 20.4 28.8 V 20.4 28.8 V 100 mA 0.6 A 2.7936 W 5.5296 W 25 ms 35 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C -40 +70 °C

PROFINET protocol	No
design of the interface	
AS-Interface protocol	No
PROFINET protocol	No
PROFIBUS DP protocol	No
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function control circuit interface with IO link	No
type of electrical connection	
for main current circuit	plug according to ISO 23570, HAN Q4/2
 for auxiliary and control circuit 	connector
type of electrical connection	
1 for digital input signals	M12 socket
1 for digital output signals	M12 socket
2 for digital input signals	M12 socket
3 for digital input signals	M12 socket
 4 for digital input signals 	M12 socket
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
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V
Cortificator/ approvals	

Certificates/ approvals

General Product Approval

EMC





Confirmation







Declaration of Conformity

Test Certificates

other





Type Test Certificates/Test Report

Confirmation



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=3RK1395-6LS71-2AD3

Cax online generator

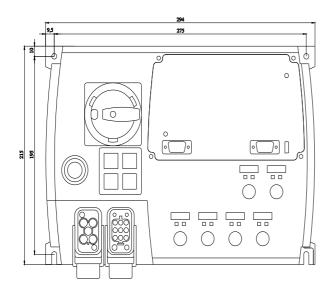
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS71-2AD3

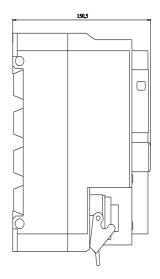
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

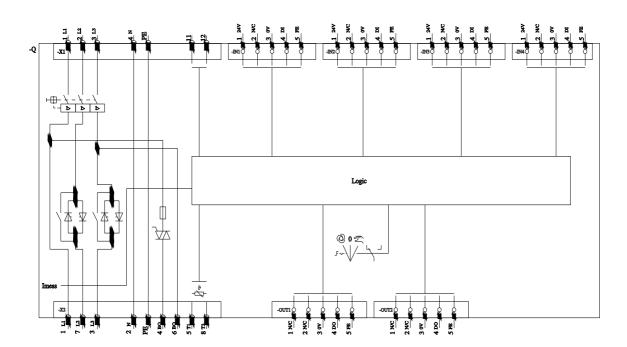
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS71-2AD3

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS71-2AD3&lang=en







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