3RK1395-6LS41-2AD0

Data sheet



SIRIUS motor starter M200D Technology module DOL starter Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 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
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	No
product feature	
 brake control with 230 V AC 	No
 brake control with 400 V AC 	No
 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	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
 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
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	
• 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
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage 1	
at DC rated value	20.4 28.8 V
• at DC	20.4 28.8 V
control current at DC	
a in atandhy made of an aration	
 in standby mode of operation 	100 mA
 In standby mode of operation during operation 	100 mA 0.6 A
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during operation	
during operation power loss [W] in auxiliary and control circuit	0.6 A
during operation power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit	0.6 A 1.9584 W
during operation power loss [W] in auxiliary and control circuit in switching state OFF with bypass circuit in switching state ON with bypass circuit	0.6 A 1.9584 W
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	0.6 A 1.9584 W 5.04 W
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	0.6 A 1.9584 W 5.04 W
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing
• 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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
• 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	1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
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	1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm
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 oduring operation	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C
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	0.6 A 1.9584 W 5.04 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 148 mm 2 000 m -25 +55 °C -40 +70 °C

 PROFIBUS DP protocol 	No
 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
— 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	

(1)



Confirmation







EMC

Declaration of Conformity

General Product Approval

Test Certificates

other

Dangerous Good





Type Test Certificates/Test Report

Confirmation



Transport Information

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)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1395-6LS41-2AD0}$

Cax online generator

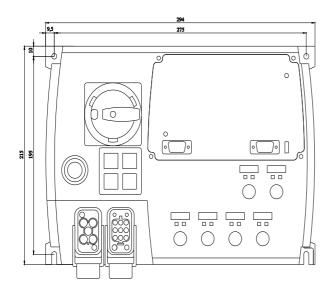
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RK1395-6LS41-2AD0}$

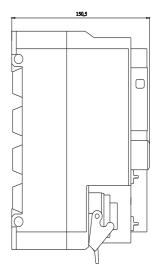
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

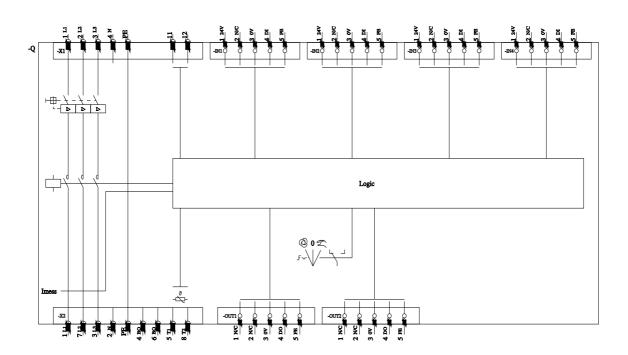
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS41-2AD0

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS41-2AD0&lang=en







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