SIEMENS

Data sheet



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Standard 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 / 1 DO AS-i Han Q4/2 - Han Q8/0

product brand name	SIRIUS
product designation	Motor starters
design of the product	direct starter
product type designation	M200D
product function	
on-site operation	No
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)
	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-	1.5 12 A
dependent overload release	
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	E E IAM
— 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 400 V rated value — at 500 V rated value	6 KW 5.5 kW
	0.5 KVV
product functiondigital inputs parameterizable	Yes
digital imputs parameterizable digital outputs parameterizable	Yes
number of digital inputs	4
number of sockets	-
for digital output signals	1
for digital input signals	4
number of digital outputs	1
Supply voltage	
Supply voltage	
type of voltage of the supply voltage	DC
-	DC 24 V
type of voltage of the supply voltage	
type of voltage of the supply voltage supply voltage 1 at DC	24 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible	24 V 30 V 26.5 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible	24 V 30 V 26.5 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control	24 V 30 V 26.5 V 31.6 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value • minimum permissible • maximum permissible Control circuit/ Control type of voltage of the control supply voltage	24 V 30 V 26.5 V 31.6 V
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 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
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 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
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W
type of voltage of the supply voltage supply voltage 1 at DC 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	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times ON-delay time	24 V 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 0.6 A 2.0736 W 4.1184 W
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times ON-delay time OFF-delay time	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times ON-delay time OFF-delay time mounting position	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times ON-delay time OFF-delay time mounting position • recommended	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing
type of voltage of the supply voltage supply voltage 1 at DC 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 Response times ON-delay time mounting position • recommended fastening method height	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm
type of voltage of the supply voltage supply voltage 1 at DC supply voltage 1 at DC rated value	24 V 30 V 26.5 V 31.6 V DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 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
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	
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
type of electrical connection	
• at the manufacturer-specific device interface	optical interface
 for device addressing 	M12 plug
 for supply voltage line-side 	M12 plug
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

General Product Approval



Confirmation









Declaration of Conformity 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

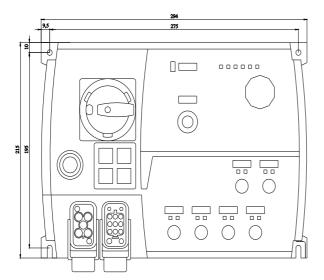
Industry Mall (Online ordering system)

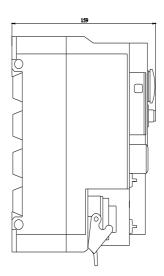
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1325-6LS41-0AA0

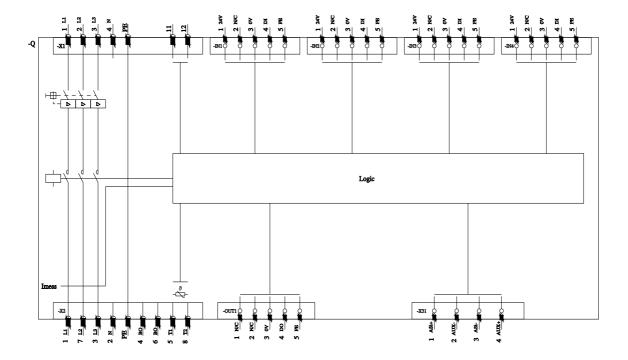
Cax online generator

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RK1325-6LS41-0AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1325-6LS41-0AA0&lang=en







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