SIEMENS

Data sheet

3RK1315-6LS41-2AA0



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch

product brand name product designation design of the product product type designation trip class product function

- on-site operation
- control circuit interface to parallel wiring

insulation voltage rated value degree of pollution

surge voltage resistance rated value maximum permissible voltage for safe isolation

- between main and auxiliary circuit
- · between control and auxiliary circuit

protection class IP shock resistance vibration resistance

mechanical service life (operating cycles) of the main contacts typical

type of assignment certificate of suitability Substance Prohibitance (Date) product function

- direct start
- reverse starting

product component motor brake output product feature

- 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)

- at 400 V rated value
- at 500 V rated value

EMC emitted interference according to IEC 60947-1

EMC immunity according to IEC 60947-1

conducted interference

• due to burst according to IEC 61000-4-4

SIRIUS

Motor starters

direct starter

M200D

CLASS 10

Yes

No

500 V

3

6 000 V

400 V

24 V IP65

12g / 11 ms

7 mm / 2g

10 000 000

1

CE

07/01/2006

Yes

No

No

No

No

No

No

No No

Yes

circuit-breakers

50 000 A

50 000 A

CISPR11, ambience A (industrial sector)

corresponds to degree of severity 3, ambience A (industrial sector)

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
product function	
 digital inputs parameterizable 	No
 digital outputs parameterizable 	No
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	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 V
supply voltage 1 at DC rated value	30 V
 minimum permissible 	26.5 V
 maximum permissible 	31.6 V
Control circuit/ Control	
·	DC
Control circuit/ Control	DC 20.4 28.8 V
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1	20.4 28.8 V
type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1 • at DC rated value	20.4 28.8 V 24 V
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	20.4 28.8 V 24 V 20.4 28.8 V
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	20.4 28.8 V 24 V
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat
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	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal
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 fastening method	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing
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 fastening method height	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 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 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 fastening method height width	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 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 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 fastening method height width depth	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 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 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 fastening method height width depth Ambient conditions	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm
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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 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 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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature	20.4 28.8 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm
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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm 2 000 m -25 +55 °C
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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm 2 000 m -25 +55 °C -40 +70 °C
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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage during transport	20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm 2 000 m -25 +55 °C -40 +70 °C -40 +70 °C
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 fastening method height width depth Ambient conditions installation altitude at height above sea level maximum ambient temperature during operation during storage	20.4 28.8 V 24 V 20.4 28.8 V 0.1 A 0.6 A 2.0736 W 4.1184 W 85 ms 65 ms vertical, horizontal, flat horizontal screw fixing 215 mm 294 mm 159 mm 2 000 m -25 +55 °C -40 +70 °C

• PROFIBUS DP protocol

PROFINET protocol

design of the interface

• AS-Interface protocol

PROFINET protocol

• PROFIBUS DP protocol

product function bus communication

protocol is supported AS-Interface protocol product function control circuit interface with IO link type of electrical connection of the communication interface

type of electrical connection

for main current circuitfor auxiliary and control circuit

type of electrical connection

1 for digital input signals
1 for digital output signals
2 for digital input signals
3 for digital input signals
4 for digital input signals

type of electrical connection

• at the manufacturer-specific device interface

for device addressingfor supply voltage line-side

full-load current (FLA) for 3-phase AC motor at 480 V rated value

yielded mechanical performance [hp]

• for 3-phase AC motor

at 220/230 V rated value
at 460/480 V rated value
at 575/600 V rated value
put of the property of the prop

operating voltage at AC at 60 Hz according to CSA and UL rated value

Certificates/ approvals

General Product Approval



Confirmation



No

No

Yes

No

Nο

Yes

Yes

No

M12 plug

connector

M12 socket

M12 socket

M12 socket

M12 socket

M12 socket

M12 plug

M12 plug

11 A

optical interface

plug according to ISO 23570, HAN Q4/2



EAC



EMC

Declaration of Conformity

Test Certificates

other

Dangerous Good





Type Test Certificates/Test Report



Confirmation

Transport Information

Further information

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=3RK1315-6LS41-2AA0

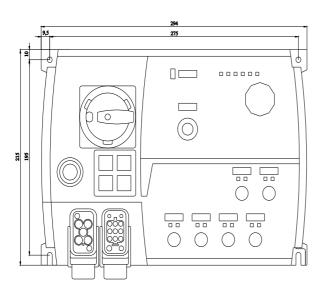
Cax online generator

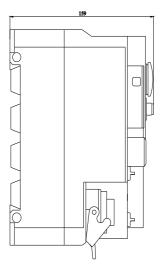
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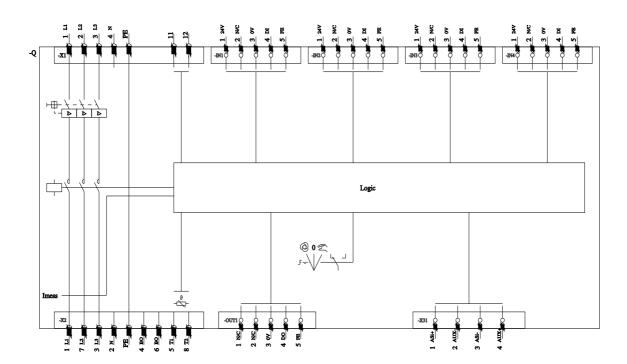
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6LS41-2AA0&lang=en







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