SIEMENS

Data sheet

3RK1315-6KS41-0AA0



SIRIUS motor starter M200D AS-i Communication: AS-Interface DOL starter Basic Mechanical switching AC-3, 0.75KW / 400 V 0.15 A...2.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC without brake contact 2DI AS-i + 2DI / 1DO on device Han Q4/2 - Han Q8/0

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

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

No

No

500 V

3

6 000 V

400 V

24 V IP65

12g / 11 ms

7 mm / 2g

10 000 000

2

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	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
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
	31.0 V
Control circuit/ Control	
Control circuit/ Control type of voltage of the control supply voltage	DC
Control circuit/ Control type of voltage of the control supply voltage control supply voltage at DC rated value	
type of voltage of the control supply voltage control supply voltage at DC rated value control supply voltage 1	DC 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	DC 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	DC 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	DC 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 • at DC control current at DC	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	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 • during operation	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 • during operation power loss [W] in auxiliary and control circuit	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 • during operation power loss [W] in auxiliary and control circuit • in switching state OFF with bypass circuit	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA
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	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 • 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 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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	DC 20.4 28.8 V 24 V 20.4 28.8 V 100 mA 600 mA 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 circuit

• for 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 addressing

• for 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 460/480 V rated value

- at 575/600 V rated value

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

No

No

Yes

res

No

Nο

Yes

Yes No

M12 plug

plug according to ISO 23570, HAN Q4/2

connector

M12 socket

M12 socket

M12 socket

M12 socket

M12 socket

optical interface

M12 plug

M12 plug

1.6 A

0.7 hp

1 hp

600 V

Certificates/ approvals

General Product Approval

EMC



Confirmation









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=3RK1315-6KS41-0AA0

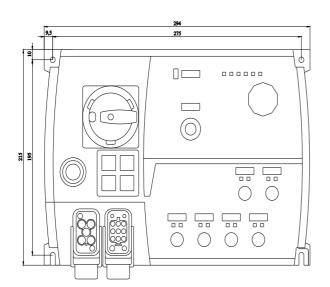
Cax online generator

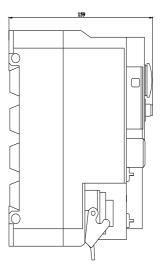
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6KS41-0AA0

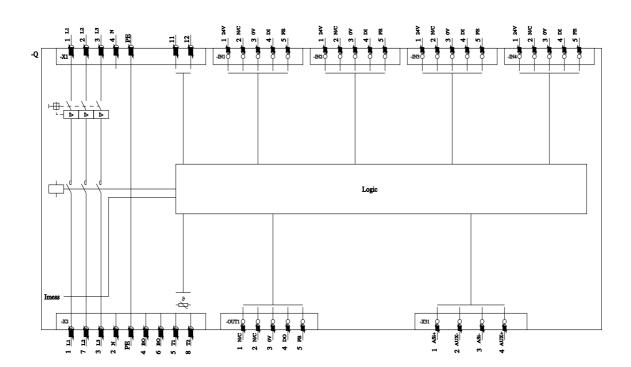
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6KS41-0AA0&lang=en







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