SIEMENS

Data sheet 3RK1315-6LS41-2AA3

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 with brake contact 400 V AC 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	SIRIUS
Product designation	Motor starters
Design of the product	direct starter
Product type designation	M200D
Trip class	CLASS 10
Product function	
• on-site operation	Yes
• Control circuit interface to parallel wiring	No
Insulation voltage rated value	500 V
Degree of pollution	3
maximum permissible voltage for safe isolation	
• between main and auxiliary circuit	400 V
• between control and auxiliary circuit	24 V
Protection class IP	IP65
Shock resistance	12g / 11 ms
Vibration resistance	7 mm / 2g
Mechanical service life (switching cycles) of the main contacts typical	10 000 000
Type of assignment	1

Certificate of suitability	CE
Reference code acc. to DIN EN 61346-2	Q
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	50 000 A
EMC emitted interference acc. to IEC 60947-1	CISPR11, ambience A (industrial sector)
EMI immunity acc. to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)
Conducted interference	
• due to burst acc. to IEC 61000-4-4	2 kV network connection / 1 kV control connection
• due to conductor-earth surge acc. to IEC 61000-4-5	2 kV
• due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV
Protection against electrical shock	finger-safe

Main circuit	
Number of poles for main current circuit	3
Design of the switching contact	electromechanical
Adjustable pick-up value current of the current-dependent overload release	1.5 ... 12 A
Type of the motor protection	full motor protection
Operating voltage rated value	360 ... 440 V
Operating 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 rated value	30 V
• minimum permissible	26.5 V
• maximum permissible	31.6 V

Control circuit/ Control

Type of voltage of the control supply voltage	DC
Control supply voltage at DC	
• rated value	20.4 ... 28.8 V
Control supply voltage 1	
• at DC rated value	24 V
• at DC rated value	20.4 ... 28.8 V
• at DC	20.4 ... 28.8 V
Power loss [W] in auxiliary and control circuit	
• in switching state OFF with bypass circuit	2.0736 W
• in switching state ON with bypass circuit	4.1184 W

Response times

Switch-on delay time	85 ms
Off-delay time	65 ms
Mounting position	vertical, horizontal, flat
• recommended	horizontal
Mounting type	screw fixing
Height	215 mm
Width	294 mm
Depth	159 mm
Installation altitude at height above sea level maximum	2 000 m
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 current 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

Certificates/ approvals

General Product Approval				EMC	Declaration of Conformity
CCC	CSA	UL		RCM	EG-Konf.

Declaration of Conformity	Test Certificates	other	
Miscellaneous	Type Test Certificates/Test Report	ASi	Confirmation

Further information

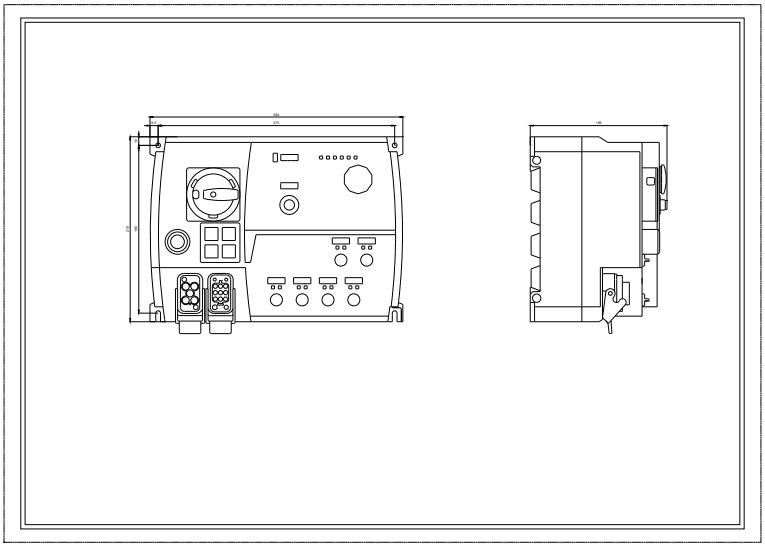
Information- and Downloadcenter (Catalogs, Brochures,…)
www.siemens.com/sirius/catalogs

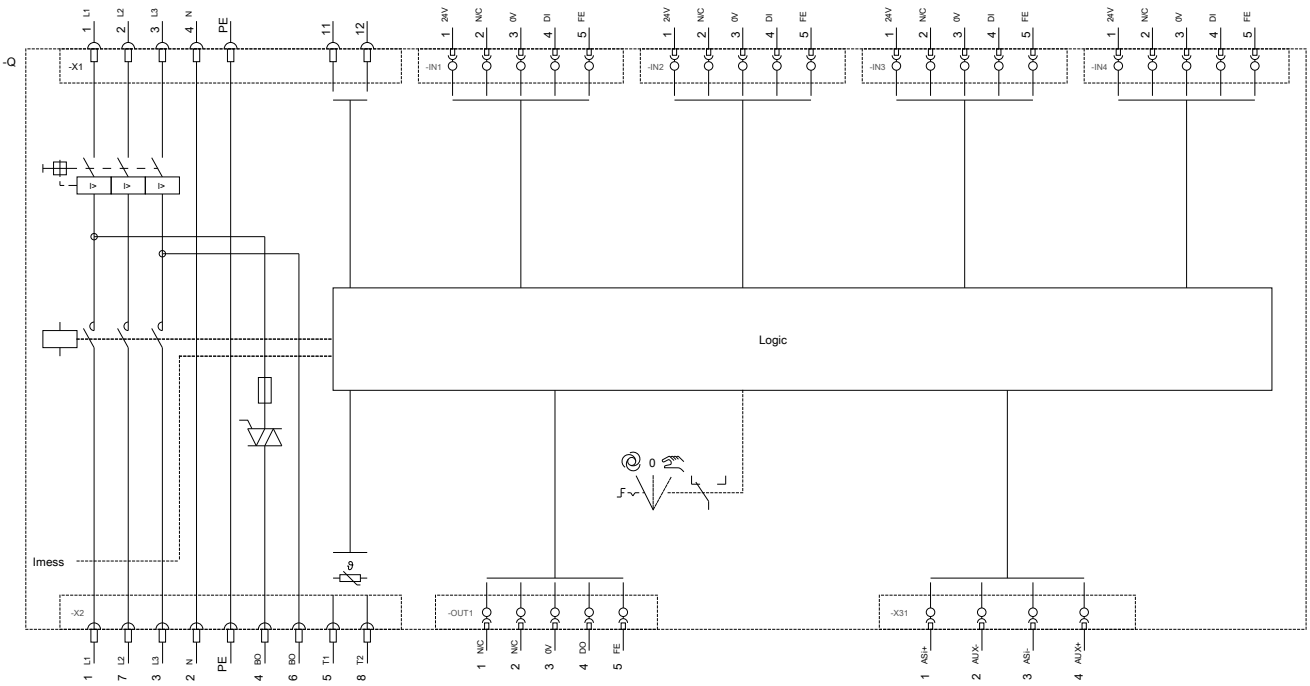
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6LS41-2AA3

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6LS41-2AA3

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6LS41-2AA3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6LS41-2AA3&lang=en





last modified: 11/08/2019