

SIRIUS motor starter M200D AS-i Communication: AS-Interface
 Reversing 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 180 V DC 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	reversing starter
Product type designation	M200D
Product function	
• on-site operation	Yes
• Control circuit interface to parallel wiring	No
Power loss [W] typical	30 W
Degree of pollution	3
Surge voltage resistance rated value	6 000 V
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
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	No
• reverse starting	Yes
Product component Motor brake output	Yes
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	Yes
• 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
Trip class	CLASS 10
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
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 <ul style="list-style-type: none"> • for main current circuit • for auxiliary and control current circuit 	plug according to ISO 23570, HAN Q4/2 connector
Type of electrical connection <ul style="list-style-type: none"> • 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 	M12 socket M12 socket M12 socket M12 socket M12 socket
Type of electrical connection <ul style="list-style-type: none"> • at the manufacturer-specific device interface • for device addressing • for supply voltage line-side 	optical interface M12 plug M12 plug

Certificates/ approvals

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

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=3RK1315-6LS41-3AA5>

Cax online generator

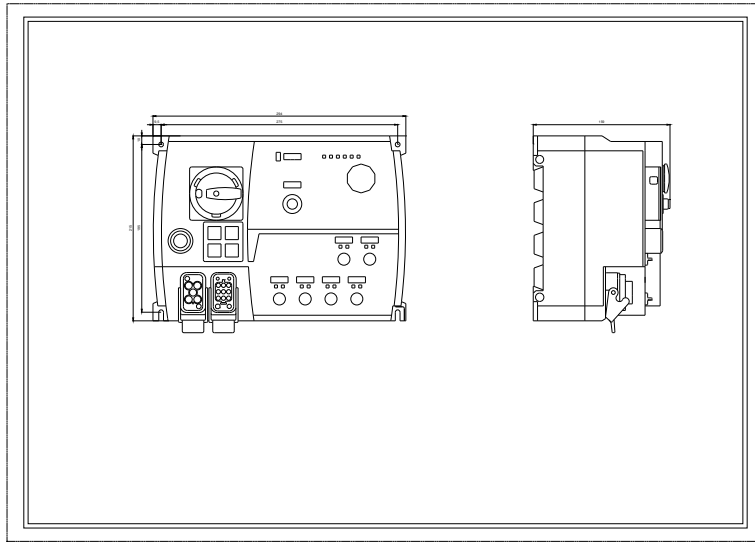
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6LS41-3AA5>

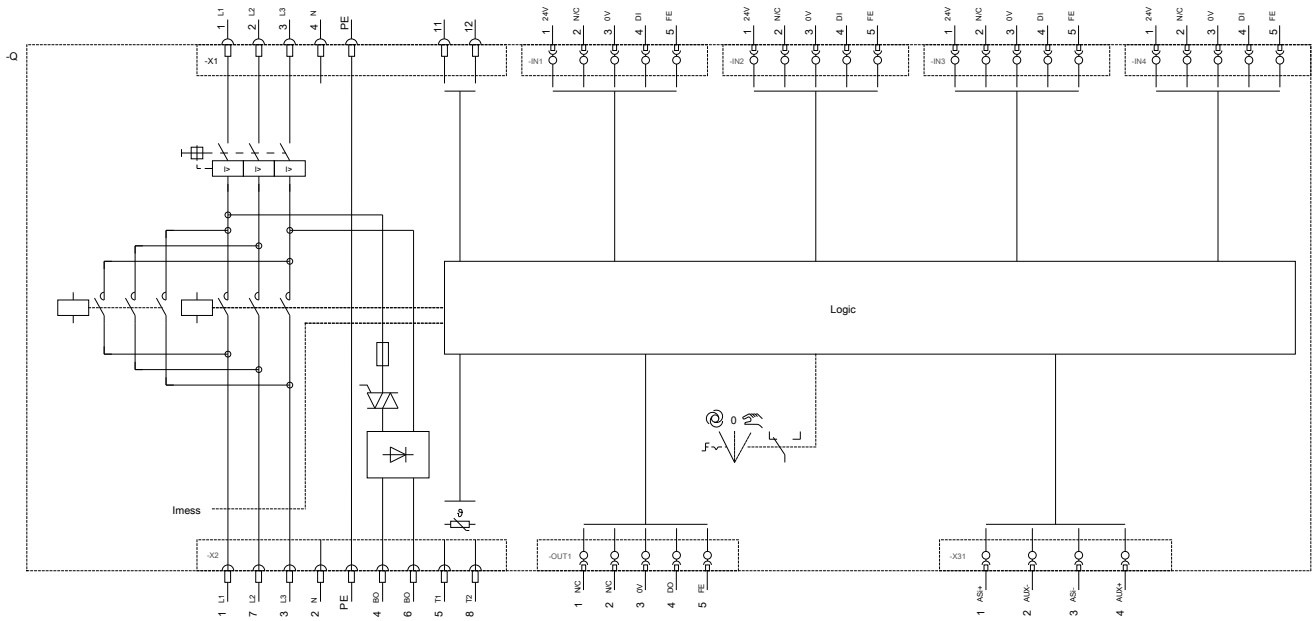
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1315-6LS41-3AA5>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1315-6LS41-3AA5&lang=en





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