SIEMENS

Data sheet 3RK1395-6LS41-0AD5

SIRIUS motor starter M200D Technology module DOL starter 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 4 DI / 2 DO Han Q4/2 - Han Q8/0 via communication module 3RK1305* can be used on PROFIBUS or PROFINET

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
Power loss [W] typical	30 W
Insulation voltage rated value	500 V
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	Yes
• reverse starting	No
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 5, 10, 15, 20
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	Yes
• digital outputs parameterizable	Yes
Number of digital inputs	4
Number of sockets	
• for digital output signals	2
• for digital input signals	4
Number of digital outputs	2

Supply voltage

Type of voltage of the supply voltage	DC

Control circuit/ Control

Type of voltage of the control supply voltage	DC
Control supply voltage 1	
• 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	1.9584 W
• in switching state ON with bypass circuit	5.04 W

Response times

Switch-on delay time	85 ms
Off-delay time	65 ms
• **(mounting position)**	vertical, horizontal, flat
• Mounting position recommended	horizontal
(mounting type)	screw fixing
Height	215 mm
Width	294 mm
Depth	148 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	No
• PROFINET protocol	No
• PROFIBUS DP protocol	No
Product function Bus communication	Yes

Protocol is supported AS-interface protocol	No
Product function Control circuit interface with IO link	No
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

Certificates/approvals

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

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

Further information

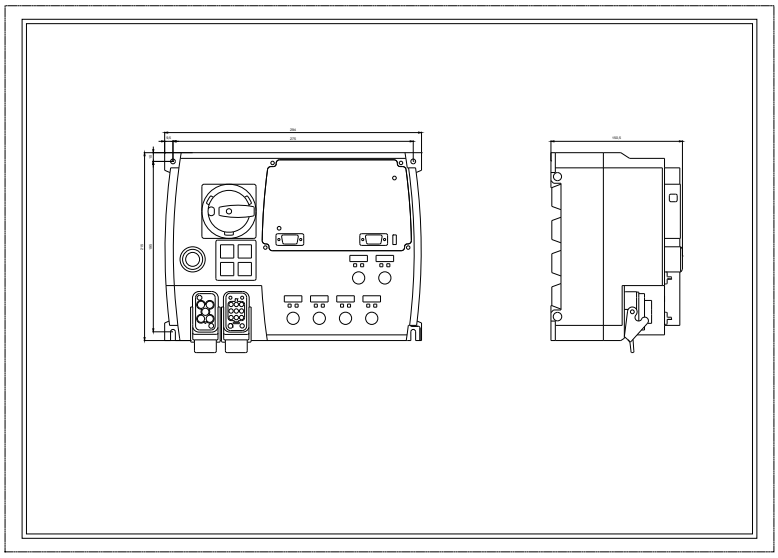
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

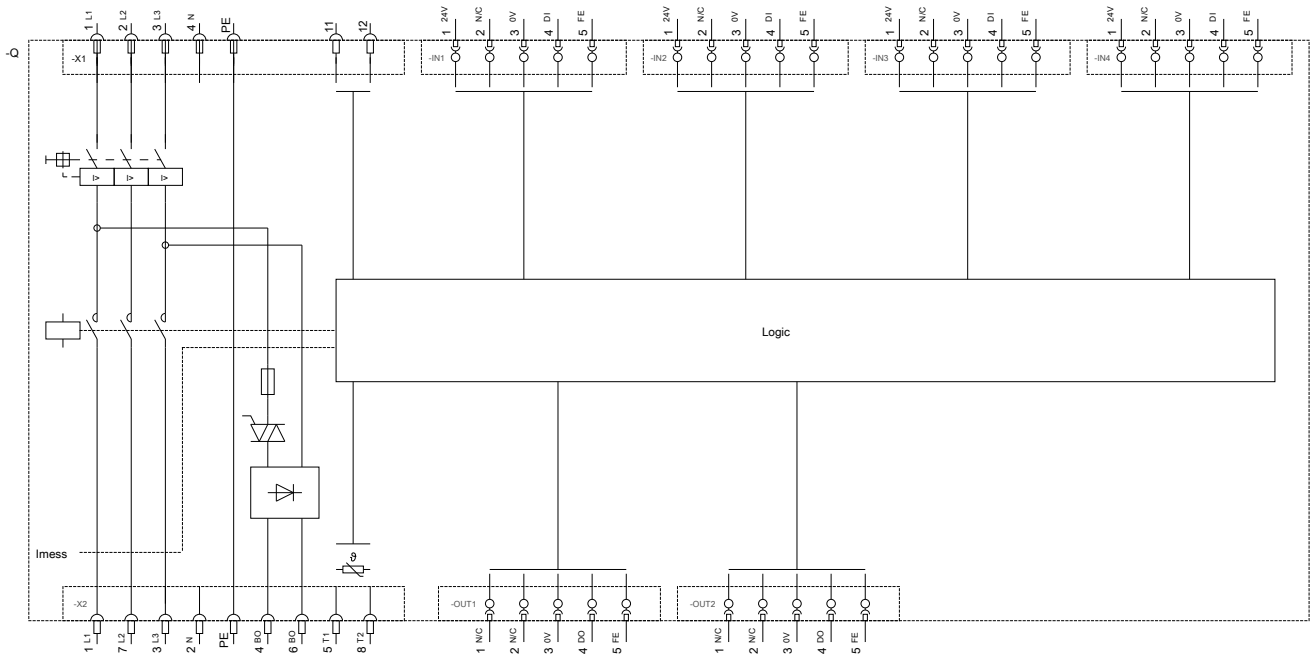
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1395-6LS41-0AD5

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS41-0AD5

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS41-0AD5

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS41-0AD5&lang=en





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