



Figure similar

SIRIUS MOTOR STARTER M200D TECHNOLOGY
 MODULE DIRECT ON-LINE-STARTER
 ELECTRONICAL SWITCHING 3 400V AC/5,5KW;
 1,5A...12,00A; ELECTR. OVERLOAD PROTECTION;
 THERMISTOR: THERMOCLICK / PTC WITH BRAKE
 CONTACT 180V DC 4DI / 2DO HAN Q4/2 - HAN Q8/0
 WITH OPERATOR TERMINAL AND KEY-OPERATED
 SWITCH USING A COMMUNICATIONS MODULE
 3RK1305* USABLE WITH PROFIBUS OR PROFINET

General technical data:		
product brand name		SIRIUS
Product designation		motor starter module M200D
Design of the product		direct starter
Product function		
• direct start		Yes
• reverse starting		No
• Short circuit protection		Yes
• Bus communication		Yes
Design of the switching contact		solid-state / thyristor / 2 phases
Product component Motor brake output		Yes
Trip class		CLASS 5, 10, 15, 20
Type of assignment		1
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 expansion braking module for brake control		No
Surge voltage resistance Rated value	V	6 000
Switch-on delay time	ms	25
OFF-delay time	ms	35
Insulation voltage Rated value	V	500
Active power loss typical	W	30

maximum permissible voltage for safe isolation		
• between main and auxiliary circuit	V	400
• between control and auxiliary circuit	V	24
Equipment marking acc. to DIN EN 61346-2		Q
Mounting type		screw fixing
Width	mm	294
Height	mm	215
Depth	mm	148

Main circuit:

Operating voltage Rated value	V	360 ... 440
Adjustable response value current of the current-dependent overload release	A	1.5 ... 12
Operating current at AC-3 at 400 V Rated value	A	12
Operating power for three-phase motors at 400 V at 50 Hz	kW	0.55 ... 5.5
Operating power at AC-3		
• at 400 V Rated value	kW	5.5
• at 500 V Rated value	W	5 500
Number of poles for main current circuit		3
Design of short-circuit protection		circuit-breakers
Maximum short-circuit current breaking capacity (I_{cu})		
• at 400 V Rated value	A	50 000
• at 500 V Rated value	A	20 000
Type of the motor protection		full motor protection

Control circuit/ Control:

Type of voltage of the control supply voltage		DC
Control supply voltage 1 for DC Rated value	V	
• minimum permissible	V	20.4
• maximum permissible	V	28.8
Type of electrical connection for auxiliary and control current circuit		connector

Supply voltage:

Type of voltage of the supply voltage		DC
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Ambient conditions:

Protection class IP		IP65
Ambient temperature		
• during storage	°C	-40 ... +70
• during operation	°C	-25 ... +55
• during transport	°C	-40 ... +70
Relative humidity during operation	%	10 ... 95
Vibration resistance		7 mm / 2g
Shock resistance		12g / 11 ms

Degree of pollution		3
Installation altitude at height above sea level maximum	m	2 000
mounting position		vertical, horizontal, flat
mounting position recommended		horizontal

Communication/ Protocol:

Design of the interface AS-interface protocol		No
Protocol is supported AS-interface protocol		No
Design of the interface PROFIBUS DP protocol		No
Protocol is supported PROFIBUS DP protocol		No
Product function		
<ul style="list-style-type: none"> Control circuit interface with IO link 		No
<ul style="list-style-type: none"> Control circuit interface to parallel wiring 		No
Design of the interface PROFINET protocol		No
Protocol is supported PROFINET protocol		No

Connections/ Terminals:

Number of digital inputs		4
Number of digital outputs		2
Number of sockets		
<ul style="list-style-type: none"> for digital input signals 		4
<ul style="list-style-type: none"> for digital output signals 		2
Product function		
<ul style="list-style-type: none"> digital inputs parameterizable 		Yes
<ul style="list-style-type: none"> digital outputs parameterizable 		Yes
Type of electrical connection		
<ul style="list-style-type: none"> 1 <ul style="list-style-type: none"> — for digital input signals — for digital output signals 		M12 socket M12 socket
<ul style="list-style-type: none"> 2 for digital input signals 		M12 socket
<ul style="list-style-type: none"> 3 for digital input signals 		M12 socket
<ul style="list-style-type: none"> 4 for digital input signals 		M12 socket
Product function on-site operation		Yes

Electromagnetic compatibility:

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
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5		2 kV
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5		1 kV
EMC emitted interference acc. to IEC 60947-1		CISPR11, ambience A (group 2)

Certificate of suitability	CE
Protection against electrical shock	finger-safe

Certificates/ approvals:

General Product Approval	Declaration of Conformity
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Test Certificates	other
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[Type Test Certificates/Test Report](#)

[Environmental Confirmations](#)



Profibus

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

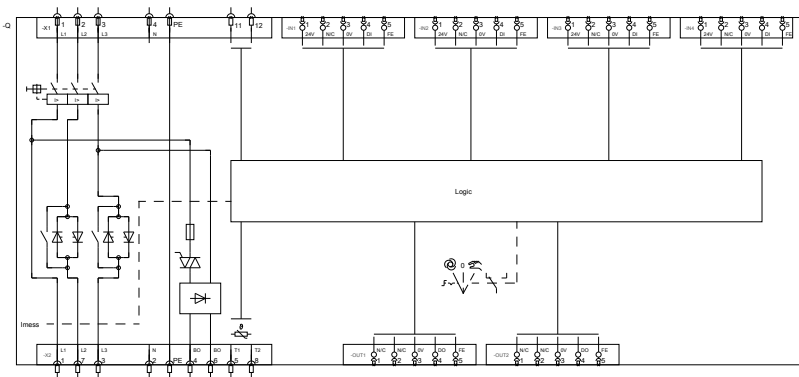
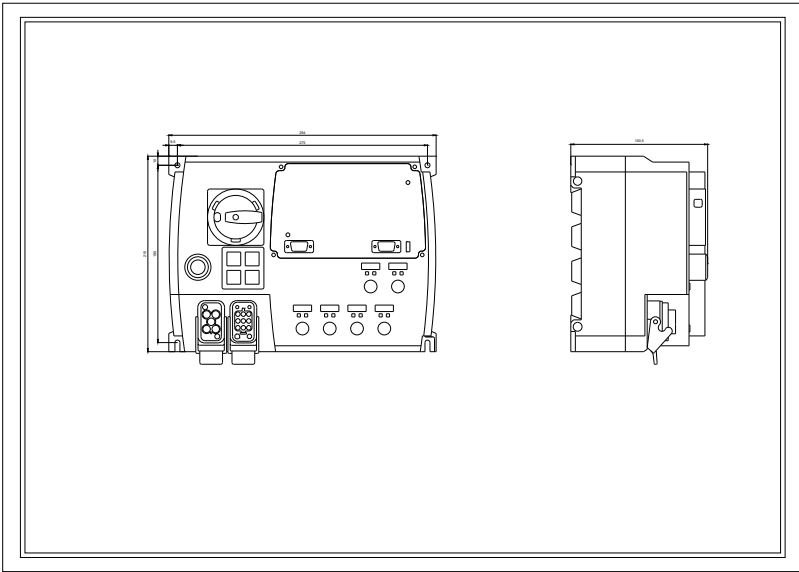
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13956LS712AD5>

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

<http://support.automation.siemens.com/WW/view/en/3RK13956LS712AD5/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK13956LS712AD5&lang=en>



last modified:

17.01.2015