



Figure similar

SIRIUS MOTOR STARTER M200D TECHNOLOGY  
 MODULE DIRECT ON-LINE STARTER ELECTRONIC  
 SWITCHING 3 400V AC/0,9KW; 0,15A...2,00A;  
 ELECTRONIC OVERLOAD PROTECTION;  
 THERMISTOR: THERMOCLICK / PTC WITH BRAKE  
 CONTACT 400V AC 4DI / 2DO HAN Q4/2 - HAN Q8/0  
 WITH OPERATOR TERMINAL AND KEY-OPERATED  
 SWITCH USING A COMMUNICATION MODULE  
 3RK1305\* USABLE WITH PROFIBUS OR PROFINET

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

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

#### Main circuit:

Operating voltage Rated value	V	360 ... 440
Adjustable response value current of the current-dependent overload release	A	0.15 ... 2
Operating current at AC-3 at 400 V Rated value	A	2
<b>Operating power for three-phase motors at 400 V at 50 Hz</b>	kW	0.06 ... 0.75
Operating power at AC-3		
• at 400 V Rated value	kW	0.75
• at 500 V Rated value	W	750
<b>Number of poles for main current circuit</b>		3
<b>Design of short-circuit protection</b>		circuit-breakers
<b>Maximum short-circuit current breaking capacity (I<sub>cu</sub>)</b>		
• at 400 V Rated value	A	50 000
• at 500 V Rated value	A	20 000
<b>Type of the motor protection</b>		full motor protection

#### Control circuit/ Control:

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

#### Supply voltage:

<b>Type of voltage of the supply voltage</b>		DC
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#### Ambient conditions:

<b>Protection class IP</b>		IP65
<b>Ambient temperature</b>		
• during storage	°C	-40 ... +70
• during operation	°C	-25 ... +55
• during transport	°C	-40 ... +70
Relative humidity during operation	%	10 ... 95
<b>Vibration resistance</b>		7 mm / 2g
<b>Shock resistance</b>		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
<b>Product function</b>		
• Control circuit interface with IO link		No
• Control circuit interface to parallel wiring		No
Design of the interface PROFINET protocol		No
Protocol is supported PROFINET protocol		No

#### Connections/ Terminals:

<b>Number of digital inputs</b>		4
<b>Number of digital outputs</b>		2
<b>Number of sockets</b>		
• for digital input signals		4
• for digital output signals		2
<b>Product function</b>		
• digital inputs parameterizable		Yes
• digital outputs parameterizable		Yes
<b>Type of electrical connection</b>		
• 1		
— for digital input signals		M12 socket
— 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
<b>Product function on-site operation</b>		Yes

#### Electromagnetic compatibility:

<b>EMI immunity acc. to IEC 60947-1</b>		corresponds to degree of severity 3, ambience A (industrial sector)
<b>Conducted interference due to burst acc. to IEC 61000-4-4</b>		2 kV network connection / 1 kV control connection
<b>Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5</b>		2 kV
<b>Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5</b>		1 kV
<b>EMC emitted interference acc. to IEC 60947-1</b>		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**

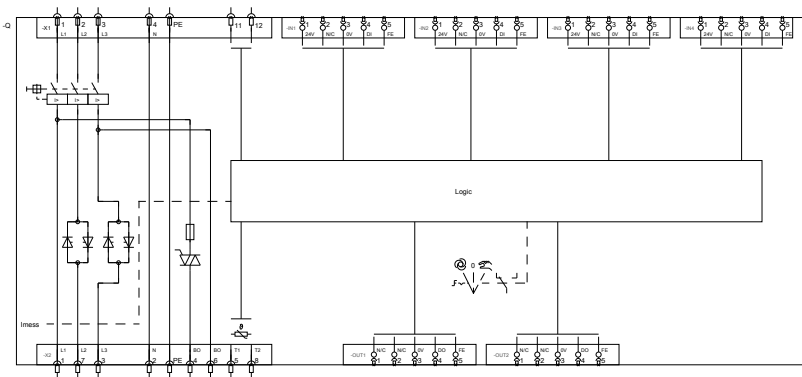
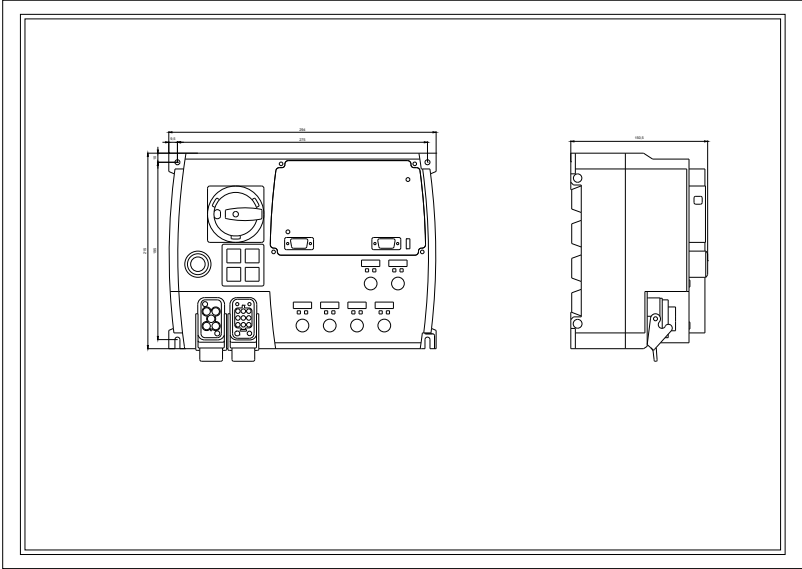
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13956KS712AD3>

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

<http://support.automation.siemens.com/WW/view/en/3RK13956KS712AD3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK13956KS712AD3&lang=en>



last modified:

17.01.2015