



SIRIUS MOTOR STARTER M200D AS-I
 COMMUNICATION: AS-INTERFACE DIRECT ON-LINE
 STARTER,
 BASIC ELECTR. SWITCHING 3 400V AC/4KW;
 1,5A...9,00A;
 ELECTR. OVERLOAD PROTECTION;
 THERMISTOR: THERMOCLICK / PTC WITH BRAKE
 CONTACT 180V DC 2DI AS-I + 2DI / 1DO ON DEVICE HAN
 Q4/2 - HAN Q8/0 WITH OPERATOR TERMINAL AND KEY-
 OPERATED SWITCH

General technical data:

product brand name		SIRIUS
Product designation		motor starter M200D, AS-i Basic
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 / outlet for enine brake		Yes
Trip class		CLASS 10
Type of assignment		1
Product equipment		
• 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

Impulse voltage resistance / rated value	V	6,000
Start-up delay time	ms	25
Switch-off delay time	ms	35
Insulation voltage / rated value	V	500
Active power loss / typical	W	30
Maximum permissible voltage for safe disconnection		
• between main circuit and auxiliary circuit	V	400
• between control and auxiliary circuit	V	24
Reference code		
• according to DIN EN 61346-2		Q
Mounting type		screw fixing
Width	mm	294
Height	mm	215
Depth	mm	159

Main circuit:		
Operating voltage		
• rated value	V	360 ... 440
Adjustable response current		
• of the current-dependent overload release	A	1.5 ... 9
Operating current / at AC-3 / at 400 V		
• rated value	A	9
Service power / for three-phase servomotors / at 400 V / at 50 Hz		
• minimum	kW	0.55 ... 4
Service power / at AC-3		
• at 400 V / rated value	kW	4
• at 500 V / rated value	W	4,000
Number of poles / for main current circuit		3
Design of the short-circuit protection		circuit-breakers
Breaking capacity limit short-circuit current (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:		
Voltage type / of control feed voltage		DC
Control supply voltage / 1 / for DC / rated value	V	24
Control supply voltage / 1 / for DC / rated value / permissible minimum	V	20.4
Control supply voltage / 1 / for DC / rated value / permissible maximum	V	28.8

Design of the electrical connection / for auxiliary and control current circuit		connector
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Supply voltage:		
Type of / supply voltage		DC
Supply voltage / 1 / for DC / rated value	V	30
• permissible minimum	V	26.5
• permissible maximum	V	31.6
Design of the electrical connection / for supply voltage infeed		M12 plug

Ambient conditions:		
Protection class IP		IP65
Ambient temperature		
• during storage	°C	-40 ... +70
• during operating	°C	-25 ... +55
• during transport	°C	-40 ... +70
Relative humidity		
• during operating phase	%	10 ... 95
Resistance against vibration		7 mm / 2g
Resistance against shock		12g / 11 ms
Degree of pollution		3
Installation altitude / at a height over sea level / maximum	m	2,000
mounting position		vertical, horizontal, flat
mounting position / recommended		horizontal

Communication:		
Design of the interface		
• AS interface protocol		Yes
Protocol / is supported		
• AS interface protocol		Yes
Design of the interface		
• PROFIBUS DP protocol		No
Protocol / is supported		
• PROFIBUS DP protocol		No
Product function		
• 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

Design of the electrical connection		
• of the communication interface		M12 plug
Connections:		
Number of digital inputs		4
Number of digital outputs		1
Number of sockets		
• for digital input signals		4
• for digital output signals		1
Product function		
• digital inputs parameterizable		No
• digital outputs parameterizable		No
Design of the electrical connection		
• 1 / for digital input signals		M12 socket
• 2 / for digital input signals		M12 socket
• 3 / for digital input signals		M12 socket
• 4 / for digital input signals		M12 socket
• 1 / for digital output signals		M12 socket
Design of the electrical connection		
• at the manufacturer-specific device interface		optical interface
• for device addressing		M12 plug
Product function / on-site operation		Yes
EMC:		
EMC immunity to interference / according to IEC 60947-1		corresponds to degree of severity 3, ambience A (industrial sector)
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV network connection / 1 kV control connection
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV
EMC emitted interference / according to IEC 60947-1		CISPR11, ambience A (group 2)
Verification of suitability		CE
Protection against electrical shock		finger-safe
Certificates/approvals:		



CCC



CSA



GOST



UL



EG-Konf.

Test Certificates

other

[Type Test
Certificates/Test
Report](#)



ASi

[Environmental
Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

CAx-Online-Generator

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

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

<http://support.automation.siemens.com/WW/view/en/3RK1315-6NS71-2AA5/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1315-6NS71-2AA5



