



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 without brake contact 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
insulation voltage rated value	500 V
degree of pollution	3
surge voltage resistance rated value	6 000 V
maximum permissible voltage for protective separation	
• 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 (operating cycles) of the main contacts typical	10 000 000
type of assignment	1
Substance Prohibitance (Date)	07/01/2006
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7
product function	
• direct start	No
• reverse starting	Yes
product component motor brake output	No
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	No
• 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
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 according to IEC 60947-1	CISPR11, ambience A (industrial sector)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)
conducted interference	

<ul style="list-style-type: none"> • due to burst according to IEC 61000-4-4 • due to conductor-earth surge according to IEC 61000-4-5 • due to conductor-conductor surge according to IEC 61000-4-5 	2 kV network connection / 1 kV control connection 2 kV 1 kV
Electrical Safety	
touch protection against electrical shock	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	1.5 ... 12 A
type of the motor protection	full motor protection
operating voltage rated value	200 ... 440 V
operational current	
<ul style="list-style-type: none"> • at AC at 400 V rated value • at AC-3 at 400 V rated value 	12 A 12 A
operating power	
<ul style="list-style-type: none"> • at AC-3 <ul style="list-style-type: none"> — at 400 V rated value — at 500 V rated value • at AC-3e <ul style="list-style-type: none"> — at 400 V rated value — at 500 V rated value 	5.5 kW 5 500 W 6 kW 5.5 kW
product function	
<ul style="list-style-type: none"> • digital inputs parameterizable • digital outputs parameterizable 	No No
number of digital inputs	4
number of sockets	
<ul style="list-style-type: none"> • for digital output signals • for digital input signals 	1 4
number of digital outputs	1
Supply voltage	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 V
supply voltage 1 at DC rated value	30 V
<ul style="list-style-type: none"> • minimum permissible • maximum permissible 	26.5 V 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	
<ul style="list-style-type: none"> • rated value • rated value • 	24 V 20.4 ... 28.8 V 20.4 ... 28.8 V
control current at DC	
<ul style="list-style-type: none"> • in standby mode of operation • during operation 	100 mA 0.6 A
power loss [W] in auxiliary and control circuit	
<ul style="list-style-type: none"> • in switching state OFF with bypass circuit • in switching state ON with bypass circuit 	2.0736 W 4.1184 W
Response times	
ON-delay time	85 ms
OFF-delay time	65 ms
mounting position	vertical, horizontal, flat
<ul style="list-style-type: none"> • recommended 	horizontal
fastening method	screw fixing
height	215 mm
width	294 mm
depth	159 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m

ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	<p>-25 ... +55 °C</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
relative humidity during operation	10 ... 95 %
protocol is supported	
<ul style="list-style-type: none"> PROFIBUS DP protocol PROFINET protocol 	<p>No</p> <p>No</p>
design of the interface	
<ul style="list-style-type: none"> AS-Interface protocol PROFINET protocol PROFIBUS DP protocol 	<p>Yes</p> <p>No</p> <p>No</p>
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 circuit 	<p>plug according to ISO 23570, HAN Q4/2</p> <p>connector</p>
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 	<p>M12 socket</p> <p>M12 socket</p> <p>M12 socket</p> <p>M12 socket</p> <p>M12 socket</p>
type of electrical connection	
<ul style="list-style-type: none"> at the manufacturer-specific device interface for device addressing for supply voltage line-side 	<p>optical interface</p> <p>M12 plug</p> <p>M12 plug</p>
full-load current (FLA) for 3-phase AC motor at 480 V rated value	11 A
yielded mechanical performance [hp]	
<ul style="list-style-type: none"> for 3-phase AC motor <ul style="list-style-type: none"> at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 	<p>3 hp</p> <p>7.5 hp</p> <p>10 hp</p>
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

Approvals Certificates

General Product Approval



[Confirmation](#)



EG-Konf.



CCC



UL



EMV	Test Certificates	other	Dangerous Good	Environment	Industrial Communication
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RCM

[Type Test Certificates/Test Report](#)

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[Environmental Conformations](#)



ASi

Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

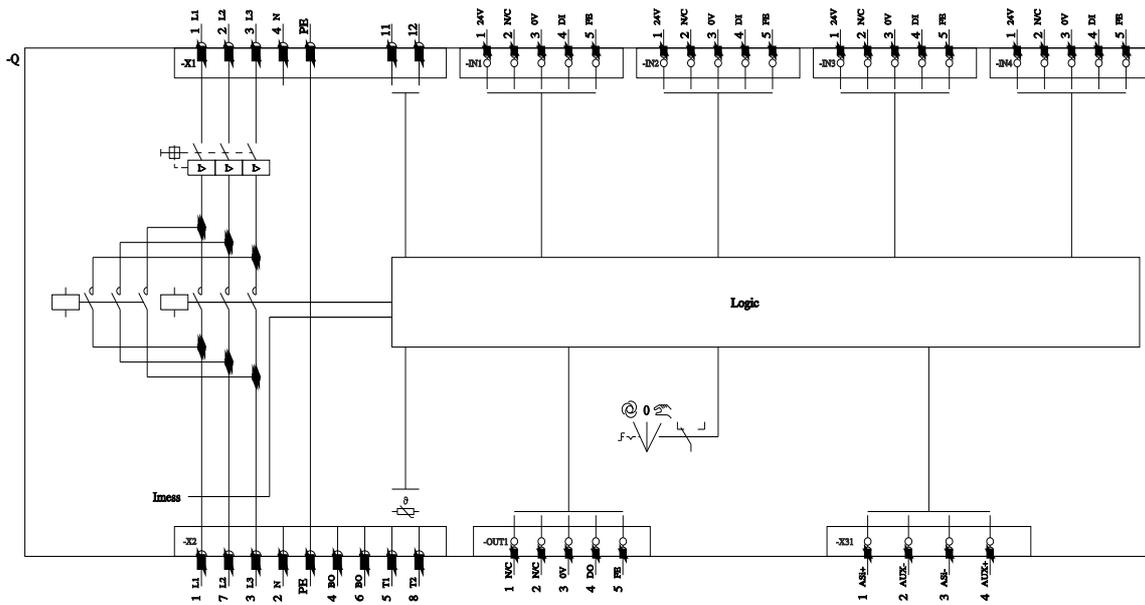
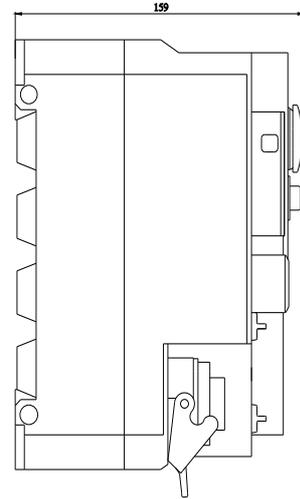
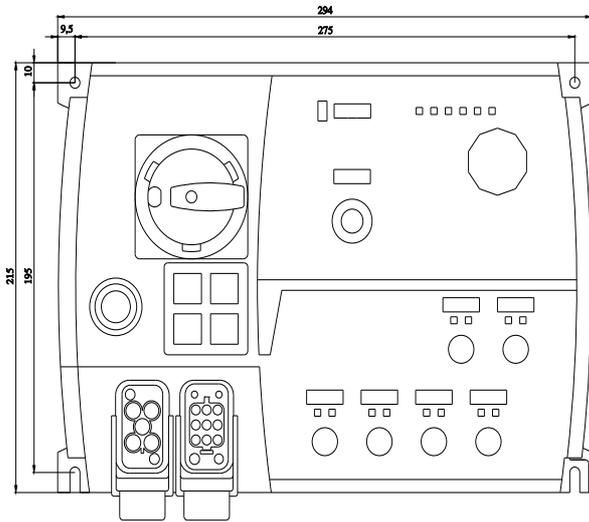
<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1315-6LS41-3AA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1315-6LS41-3AA0>



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