SIEMENS

Data sheet 3RK1395-6LS71-2AD3



SIRIUS motor starter M200D Technology module DOL starter Electronic switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A Electronic overload protection Thermistor: THERMOCLICK / PTC with brake contact 400 V AC 4 DI / 2 DO Han Q4/2 - Han Q8/0 with manual on-site operation and key-operated switch 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	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
shock resistance	12g / 11 ms
vibration resistance	7 mm / 2g
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-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5
Weight	4.158 kg
product function	
● direct start	Yes
● reverse starting	No
product component motor brake output	Yes
product feature	
● 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
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	20 000 A
EMC emitted interference according to IEC 60947-1	CISPR11, ambience A (group 2)
EMC immunity according to IEC 60947-1	corresponds to degree of severity 3, ambience A (industrial sector)
conducted interference	
● due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection

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● due to conductor-earth surge according to IEC 61000-4-5	2 kV
● due to conductor-conductor surge according to IEC 61000-4-5	1 kV
Safety related data	
proportion of dangerous failures	
● with low demand rate according to SN 31920	50 %
● with high demand rate according to SN 31920	75 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
touch protection against electrical shock	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	solid-state / thyristor / 2 phases
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	
● 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
● at AC-3e	
— at 400 V rated value	6 kW
— at 500 V rated value	5.5 kW
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
control supply voltage 1 at DC	20.4 ... 28.8 V
control current at DC	
● in standby mode of operation	100 mA
● during operation	0.6 A
power loss [W] in auxiliary and control circuit	
● in switching state OFF with bypass circuit	2.7936 W
● in switching state ON with bypass circuit	5.5296 W
Response times	
ON-delay time	25 ms
OFF-delay time	35 ms
mounting position	vertical, horizontal, flat
mounting position recommended	horizontal
fastening method	screw fixing
height	215 mm
width	294 mm
depth	148 mm

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Ambient conditions	
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 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
full-load current (FLA) for 3-phase AC motor at 480 V rated value	11 A
yielded mechanical performance [hp]	
● for 3-phase AC motor	
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	7.5 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	480 V

Approvals Certificates

General Product Approval

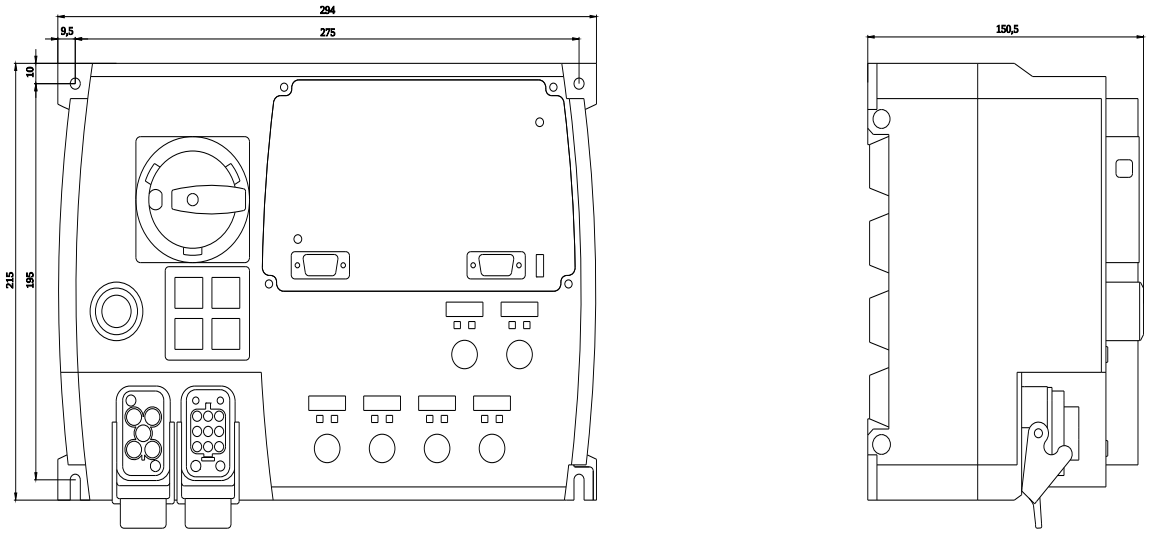
Confirmation

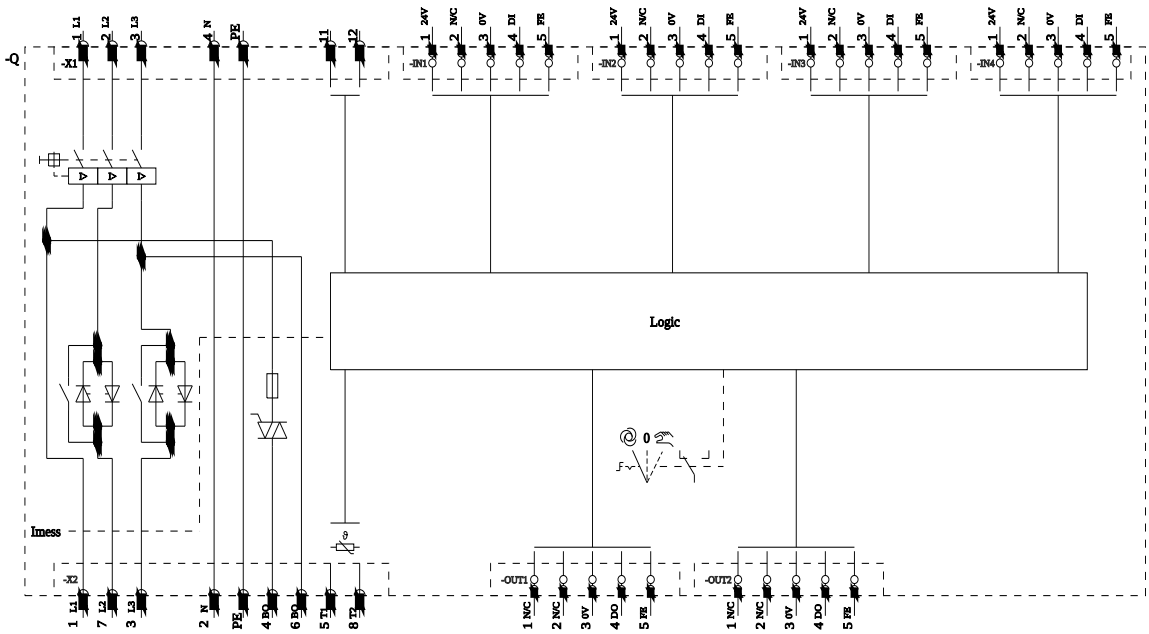
EMV	Test Certificates	other	Environment	Industrial Communication
RCM	Type Test Certificates/Test Report	Confirmation	Environmental Confirmations	Profibus

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=3RK1395-6LS71-2AD3
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS71-2AD3
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS71-2AD3
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS71-2AD3&lang=en

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