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Data sheet 3RK1395-6LS41-1AD5



SIRIUS motor starter M200D technology module reversing starter mechanical switching AC-3, 5.5 kW / 400 V 1.5 A...12.00 A electronic overload protection thermistor: thermoclick / PTC with brake contact 180 V DC 4 DI / 2 DO Han Q4/2 - Han Q8/0 via communications module 3RK1305* can be used on PROFIBUS or PROFINET

product brand name	SIRIUS
product designation	Motor starters
design of the product	reversing starter
product type designation	M200D
product function	
● on-site operation	No
● 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	12 g / 11 ms
vibration resistance	7 mm / 2 g
mechanical service life (operating cycles) of the main contacts typical	10 000 000
type of coordination	1
Substance Prohibitance (day/month/year)	07/01/2006
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1
Net Weight	2.935 kg
product function	
● direct start	No
● reverse starting	Yes
product component motor brake output	Yes
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 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

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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	
● due to burst according to IEC 61000-4-4	2 kV network connection / 1 kV control connection
● 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	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	
● 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	1.9584 W
● in switching state ON with bypass circuit	5.04 W
Response times	
ON-delay time	85 ms
OFF-delay time	65 ms
mounting position	vertical, horizontal, flat

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mounting position recommended	horizontal
fastening method	screw fixing
height	215 mm
width	294 mm
depth	148 mm
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
— at 575/600 V rated value	10 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

Approvals Certificates

General Product Approval					EMV
CCC	cULus	EAC	CE EG-Konf.	UKCA	KC

EMV	Test Certificates	other		Dangerous goods	Environment
RCM	Type Test Certificates/Test Report	产品合格 QC PASS	Confirmation	Transport Information	Environmental Confirmations

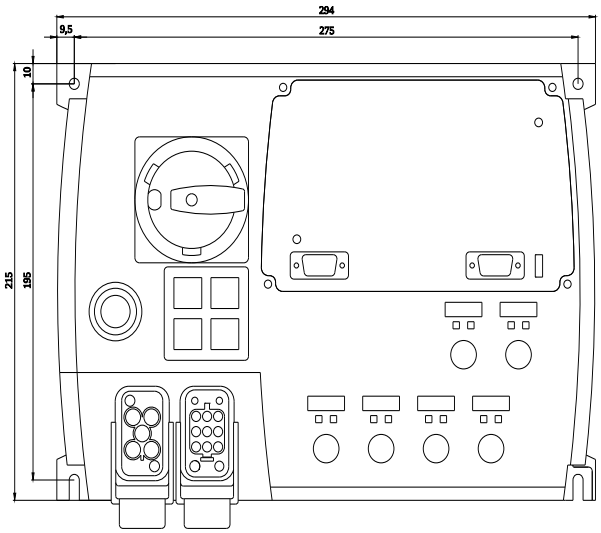
Industrial Communication

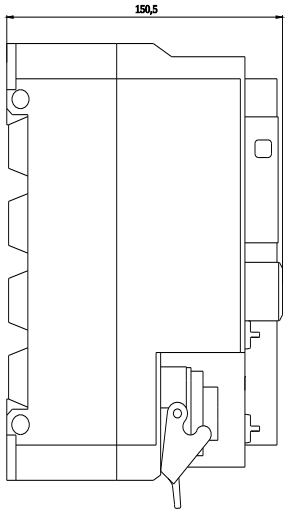
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Profibus

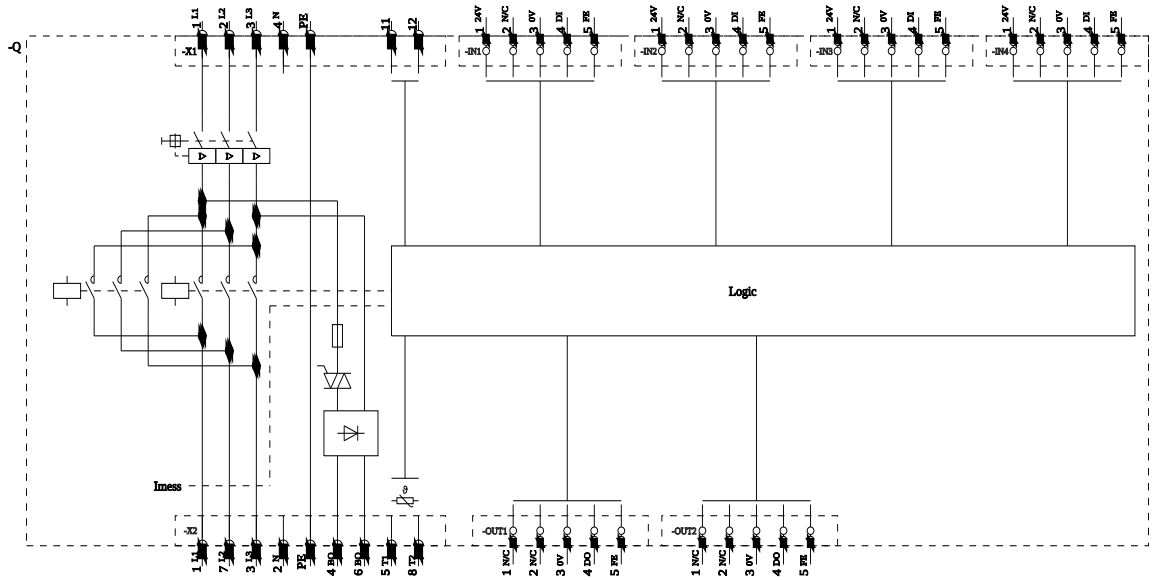
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
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=3RK1395-6LS41-1AD5
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1395-6LS41-1AD5
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1395-6LS41-1AD5
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1395-6LS41-1AD5&lang=en
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last modified: 4/4/2026

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