SIEMENS

Product data sheet 3RK1301-1DB00-1AA2

RS1-X FOR ET 200S ELECTRO-MECH. REVERS. STARTER,
EXPANDABLE SETTING RANGE 2.2...3.2A AC-3,
1.1KW/400V

General technical data:		
product brand name		Sirius
product designation		motor starter ET 200S
Design of the product		reversing starter
Product function		
• bus-communication		Yes
• direct start		No
• reverse starting		Yes
• on-site operation		Yes
• short circuit protection		Yes
Design of the switching contact		electromechanical
Product component / outlet for enine brake		Yes
Trip class		CLASS 10
Type of assignement		1
Product equipment		
• brake control with 230 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		Yes

Impulse voltage resistance / rated value	kV	6
Insulation voltage / rated value	V	500
Active power loss / typical	W	10
Maximum permissible voltage for safe disconnection / between main circuit and auxiliary circuit	V	400
Item designation		
• according to DIN EN 61346-2		Q
• according to DIN 40719 extendable after IEC 204-2 / according to IEC 750		A
Type of mounting		Can be plugged into terminal module
Depth	mm	120
Height	mm	265
Width	mm	90

Main circuit:

Operating voltage		
• rated value	V	400 … 500
Adjustable response current		
• of the current-dependent overload release	A	2.2 … 3.2
Service power		
• at AC-3 / at 400 V / rated value	kW	1.1
• for three-phase servomotors / at 400 V / at 50 Hz		
• minimum	kW	1.1 … 1.1
Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value	kA	50
Design of the short-circuit protection		circuit-breakers
Number of poles / for main current circuit		3
Type of the motor protection		bimetal
Mechanical operating cycles as operating time / of the main contacts / typical		100,000

Control circuit:

Type of voltage / of the controlled supply voltage		DC
Control supply voltage / 1		
• for DC	V	24 … 24
Control supply voltage / 1 / for DC		
• rated value	V	20.4 … 28.8

Supply voltage:

Type of voltage / of supply voltage		DC
Supply voltage / 1		
• for DC	V	24 … 24

Supply voltage / 1 / for DC		
• rated value	V	20.4 … 28.8

Ambient conditions:		
Protection class IP		IP20
Ambient temperature		
• during operating	°C	0 … 60
• during storage	°C	-40 … +70
• during transport	°C	-40 … +70
Relative humidity		
• during operating phase	%	5 … 95
Resistance against vibration		2g
Resistance against shock		5g / 11 ms
Degree of pollution		3 at 400 V, 2 at 500 V according to IEC60664 (IEC61131)
Installation altitude / at a height over sea level / maximum	m	2,000
mounting position		vertical, horizontal

Communication:		
Protocol / will be supported		
• PROFIBUS DP protocol		Yes
• PROFINET protocol		Yes
• AS interface protocol		No
Design of the interface / PROFINET protocol		Yes
Design of the electrical connection		
• of the communication interface		via backplane bus
• for communication transmission		via backplane bus

Connections:		
Number of digital inputs		0
Number of sockets		
• for digital input signals		0
• for digital output signals		0
Product function		
• digital inputs parameterizable		No
• digital outputs parameterizable		No
Design of the electrical connection		
• 1 / for digital input signals		using control module
• 2 / for digital input signals		using control module
• at the manufacturer-specific device interface		plug
• for main energy infeed		screw-type terminals

• for motor outgoing line		screw-type terminals
• for main energy transmission		via energy bus
• for supply voltage infeed		via backplane bus
• for supply voltage transmission		via backplane bus
• for main current circuit		screw-type terminals

EMC:		
Conductor-bound parasitic coupling BURST / according to IEC 61000-4-4		2 kV on voltage supply, inputs and outputs
Conductor-bound parasitic coupling conductor-earth SURGE / according to IEC 61000-4-5		2 kV (U > 24 V DC)
Conductor-bound parasitic coupling conductor-conductor SURGE / according to IEC 61000-4-5		1 kV (U > 24 V DC)
Field-bound parasitic coupling / according to IEC 61000-4-3		80 MHz ... 1 GHz 10 V/m, 1.4 GHz ...2 Hz 3 V/m, 2 GHz ... 2.7 GHz 1 V/m
Verification of suitability		CE / UL / CSA / CCC
Protection against electrical shock		finger-safe

Certificates/approvals:

General Product Approval				For use in hazardous locations	Declaration of Conformity
CCC	CSA	GOST	UL	ATEX	EG-Konf.

Test Certificates	other
Type Test Certificates/Test Report	Environmental Confirmations

Further information:

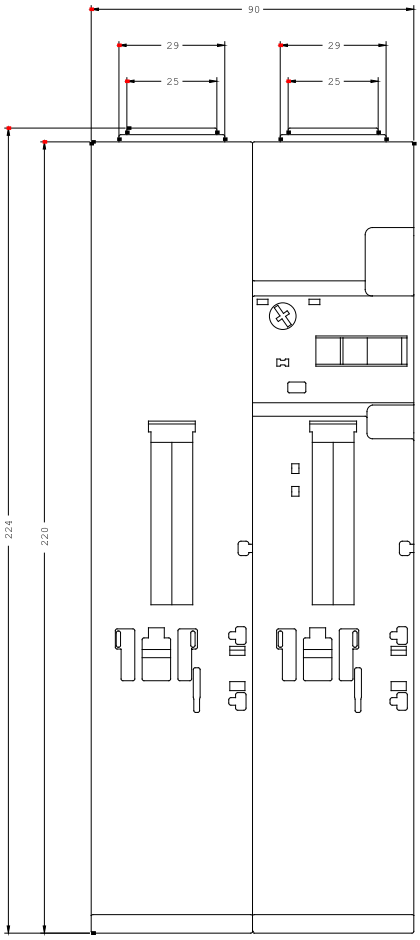
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

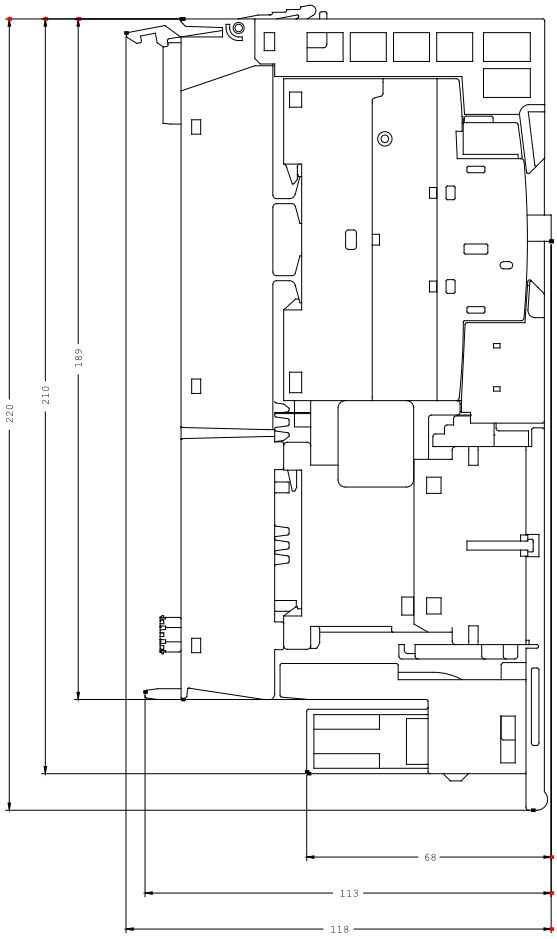
Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall

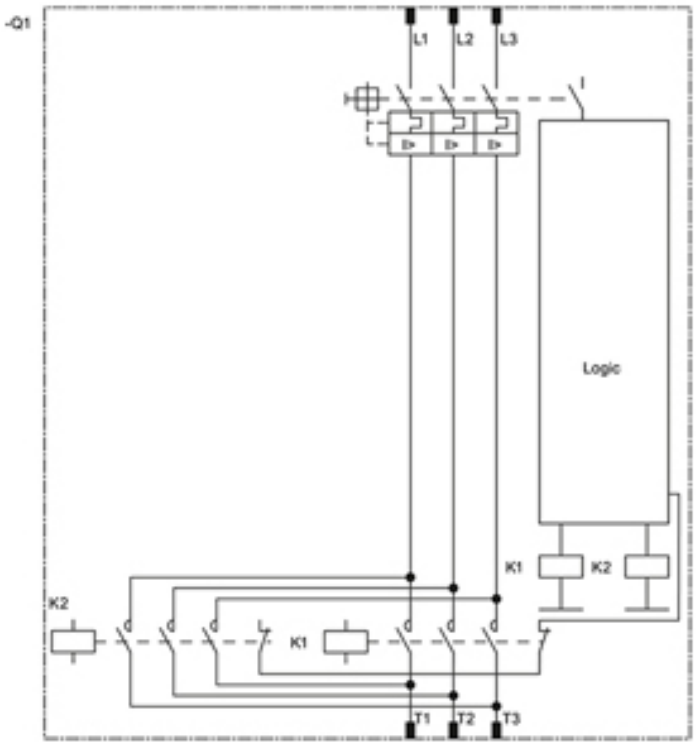
CAx-Online-Generator
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RK1301-1DB00-1AA2/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1301-1DB00-1AA2







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