SIEMENS

Data sheet

3RK1301-0AB13-0AA4



F-DS1E-X FOR ET 200S FAILSAFE DIRECT STARTER SETTING RANGE 0.3...3A MECHANICAL SWITCHING ELECTRONIC PROTECTION EXPANDABLE FOR BRAKE CONTROL MODULE 2DI MODULE SIGNAL FROM CIRCUIT-BREAKER PARAMETERIZABLE

General technical data:	
product brandname	Sirius
Product designation	motor starter ET 200S
Design of the product	direct starter
Product function	
 Bus communication 	Yes
• direct start	Yes
• reverse starting	No
• on-site operation	Yes
Short circuit protection	Yes
Design of the switching contact	electromechanical
Product component Motor brake output	Yes
Trip class	CLASS 10 and 20 adjustable
Type of assignment	2
Product feature	
 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
Surge voltage resistance rated value	kV	6
Insulation voltage rated value	V	500
Power loss [W] typical	W	9
maximum permissible voltage for safe isolation	V	400
between main and auxiliary circuit		
Equipment marking acc. to DIN EN 61346-2		Q
Equipment marking acc. to DIN 40719 extended		A
according to IEC 204-2 acc. to IEC 750		
Mounting type		pluggable on terminal module
Depth	mm	150
Height	mm	290
Width	mm	65
Main circuit:		
Operating voltage rated value	V	200 400
Adjustable pick-up value current of the current- dependent overload release	Α	0.3 3
Operating power		
at AC-3 at 400 V rated value	kW	1.1
 for three-phase motors at 400 V at 50 Hz minimum 	kW	0.1
 for three-phase motors at 400 V at 50 Hz maximum 	kW	1.1
Maximum short-circuit current breaking capacity (Icu) at 400 V rated value	kA	50
Design of short-circuit protection		circuit-breakers
Number of poles for main current circuit		3
Type of the motor protection		solid-state
Mechanical service life (switching cycles) of the main contacts typical		100 000
Control circuit/ Control:		
Type of voltage of the control supply voltage		DC
Control supply voltage 1 at DC	V	24 24
Control supply voltage 1 at DC rated value	V	21.6 26.4
Supply voltage:		
Type of voltage of the supply voltage		DC
Supply voltage 1 at DC	V	24 24
Supply voltage 1 at DC rated value	V	20.4 28.8
Ambient conditions:		
Protection class IP		IP20
Ambient temperature		
during operation	°C	0 60

during storage during transport during transport Relative humidity during operation Relative humidity during operation Vibration resistance Degree of pollution Installation altitude at height above see level maximum Mounting position Communication/ Protocot: Protocol is supported PROFIBUS DP protocol PROFINET protocol PROFINET protocol PROFINET protocol Protocol is numerication interface PROFINET protocol Type of electrical connection of the communication transmission Connections/ Terminals: Number of digital input signals of or digital input signals of o			
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Electromagnetic compatibility

EMI immunity acc. to IEC 60947-1

corresponds to degree of severity 3, ambience A (industrial sector)

Conducted interference due to burst acc. to IEC 61000-4-4	2 kV on voltage supply, inputs and outputs
Conducted interference due to conductor-earth surge acc. to IEC 61000-4-5	2 kV (U > 24 V DC)
Conducted interference due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV (U > 24 V DC)
Field-bound parasitic coupling acc. to IEC 61000-4-3	80 MHz 1 GHz 10 V/m, 1.4 GHz2 Hz 3 V/m, 2 GHz 2.7 GHz 1 V/m
EMC emitted interference acc. to IEC 60947-1	CISPR11, ambience A (industrial sector)

Protection against electrical shock finger-safe

Certificates/ approvals:

General Product Approval	Functional	Declaration of
	Safety/Safety	Conformity
	of Machinery	









Type Examination



Test Certificates	other	
Type Test Certificates/Test Report	Environmental Confirmations	Confirmation

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

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

Industry Mall (Online ordering system) http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1301-0AB13-0AA4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK1301-0AB13-0AA4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1301-0AB13-0AA4&lang=en

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