SIEMENS

Data sheet

3RK1301-0BB13-0AA2

F-DS1E-X FOR ET 200S FAILSAFE DIRECT STARTER SETTING RANGE 2.4...8A, MECHANICAL SWITCHING ELECTRONIC PROTECTION AC-3, TO 3KW/400V, CAN BE EXPANDED FOR BRAKE CONTROL MODULE FOR 2DI CONTROL MODUL

Figure similar

General technical data:		
product brand name		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 expansion braking module for brake control		Yes
Surge voltage resistance Rated value	kV	6
Insulation voltage Rated value	V	500
Active power loss typical	W	10
maximum permissible voltage for safe isolation between main and auxiliary circuit	V	400

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	_	Can be plugged into terminal module
Depth	mm	150
Height	mm	290
Width	mm	65
Main circuit:		
Operating voltage Rated value	V	400 500
Adjustable response value current of the current- dependent overload release	A	2.4 8
Operating power		
• at AC-3 at 400 V Rated value	kW	3
 for three-phase motors at 400 V at 50 Hz minimum 	kW	1.1
 for three-phase motors at 400 V at 50 Hz maximum 	kW	3
Maximum short-circuit current breaking capacity (Icu)	kA	50
at 400 V Rated value	_	
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 for DC	V	24 24
Control supply voltage 1 for DC Rated value	V	21.6 26.4
Supply voltage:		
Type of voltage of the 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 operation	°C	0 60
• during storage	°C	-40 +70
during transport	°C	-40 +70
Relative humidity during operation	%	5 95
Vibration resistance		2g
Shock resistance		5g / 11 ms

Degree of pollution	-	3 at 400 V, 2 at 500 V according to IEC60664 (IEC61131)	
Installation altitude at height above sea level maximum	m	2 000	
mounting position		vertical, horizontal	
Communication/ Protocol:			
Protocol is supported			
 PROFIBUS DP protocol 		Yes	
 PROFINET protocol 		Yes	
AS-interface protocol		No	
Design of the interface PROFINET protocol		Yes	
Type of electrical connection			
 of the communication interface 		via backplane bus	
 for communication transmission 		via backplane bus	
Connections/ Terminals:			
Number of digital inputs		2	
Number of sockets			
 for digital input signals 		0	
 for digital output signals 		0	
Product function	-		
 digital inputs parameterizable 		Yes	
 digital outputs parameterizable 		No	
Type of electrical connection			
 1 for digital input signals 		using control module	
 2 for digital input signals 		using control module	
Type of electrical connection	-		
 at the manufacturer-specific device interface 		plug	
 for main energy infeed 		screw-type terminals	
 for load-side outgoing feeder 		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	
Electromagnetic compatibility:			
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	

Safety related d	ata:				
Protection again	nst electrical shock		finger-sa	ife	
Certificates/ app	provals:				
General Pro	duct Approval				Functional
					Safety/Safety
					of Machinery
					Type Examination
(m)	(SP	(P (₅	(UL)	FAL	
	CSA	GOST	UL	LIIL	
	20/1	2001	52		
	CSA	GOST		tHL	

Declaration of	Test	other
Conformity	Certificates	
	Type Test	Environmental
	Certificates/Test	Confirmations
	Report	

Further information

EG-Konf.

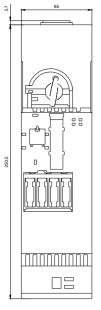
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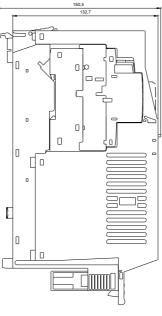
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