SIEMENS

Data sheet

3RK1301-0CB13-1AA4



F-RS1E-X for ET 200S Failsafe reversing starter Setting range 2.4...16 A Mechanical switching Electronic protection AC-3, up to 7.5 kW / 400 V expandable for Brake control module 2DI module 2DI control module Circuit breaker signaling parameterizable

product brand name	SIMATIC
product designation	Motor starters
design of the product	reversing starter
product type designation	ET 200S
General technical data	
product function on-site operation	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	18 W
 at AC in hot operating state per pole 	6 W
 without load current share typical 	4.44 W
insulation voltage rated value	500 V
degree of pollution	3 at 400 V, 2 at 500 V according to IEC60664 (IEC61131)
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation between main and auxiliary circuit	400 V
shock resistance	5g / 11 ms
vibration resistance	2g
operating frequency maximum	80 1/h
mechanical service life (operating cycles) of the main contacts typical	100 000
type of assignment	2
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/26/2016
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8
Weight	2.54 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 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
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 kA
Electromagnetic compatibility	

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• for digital input signals 0 Supply voltage	number of sockets	
Supply voltage	 for digital output signals 	0
	 for digital input signals 	0
	Supply voltage	
	type of voltage of the supply voltage	DC

EMV Functional Saf	ftey Test Certificates other Dangerous goods
General Product Approval	
rated value Approvals Certificates	
operating voltage at AC at 60 Hz according to CSA and UL	600 V
UL/CSA ratings	
 for supply voltage transmission 	via backplane bus
 for supply voltage line-side 	via backplane bus
 for main energy transmission 	via energy bus
 for load-side outgoing feeder 	Screw-type terminals
 for main energy infeed 	screw-type terminals
• at the manufacturer-specific device interface	plug
type of electrical connection	
2 for digital input signals	using control module
1 for digital input signals	using control module
type of electrical connection	
type of electrical connection for main current circuit	screw-type terminals
Connections/ Terminals	
for communication transmission	via backplane bus
of the communication interface	via backplane bus
type of electrical connection	
• of the outputs	2 byte
of the inputs	2 byte
address space memory of address range	
protocol is supported AS-Interface protocol	No
product function bus communication	Yes
design of the interface PROFINET protocol	Yes
PROFINET protocol	Yes
PROFIBUS DP protocol	Yes
protocol is supported	
Communication/ Protocol	
relative humidity during operation	595%
during transport	-40 +70 °C
during operation	-40 +70 °C
during operation	0 60 °C
ambient temperature	
installation altitude at height above sea level maximum	2 000 m
Ambient conditions	
depth	150 mm
width	130 mm
height	290 mm
fastening method	pluggable on terminal module
mounting position	vertical, horizontal
Installation/ mounting/ dimensions	۲۲ ۲۲ ۷
control supply voltage 1 at DC rated value control supply voltage 1 at DC	21.6 26.4 V 24 24 V
control supply voltage at DC rated value	21.6 26.4 V
type of voltage of the control supply voltage	
Control circuit/ Control	20
maximum permissible	28.8 V
minimum permissible	20.4 V
supply voltage 1 at DC rated value	
supply voltage 1 at DC	24 24 V

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<u>Type Examination Cer-</u> <u>tificate</u> Type Test Certificates/Test Report **Confirmation**

Transport Information

Environment

Environmental Confirmations

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8/20/2024 🖸