SIEMENS

Data sheet



F-RS1E-X for ET 200S Failsafe reversing starter Setting range 0.3...3 A Mechanical switching Electronic protection expandable for Brake control module 2DI module 2DI 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 	9 W
 at AC in hot operating state per pole 	3 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	2.56 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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 at AC-3 at 400 V rated value operating power at AC-3 at 400 V rated value operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs product function digital inputs parameterizable digital outputs parameterizable number of digital inputs for digital output signals for digital input signals for digital input signals Supply voltage 	operating range relative to the operating voltage at AC at 50 Hz	200 440 V
operating power at AC-3 at 400 V rated value operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs product function otigital inputs parameterizable otigital outputs parameterizable number of digital inputs of or digital output signals of or digital input signals of of digital input signals	operational current	
operating power for 3-phase motors at 400 V at 50 Hz Inputs/ Outputs product function	at AC-3 at 400 V rated value	3 A
Inputs/ Outputs product function	operating power at AC-3 at 400 V rated value	1.1 kW
product function	operating power for 3-phase motors at 400 V at 50 Hz	0.1 1.1 kW
digital inputs parameterizable digital outputs parameterizable No number of digital inputs prof digital inputs of or digital output signals of or digital input signals	Inputs/ Outputs	
digital outputs parameterizable No number of digital inputs 2 number of sockets • for digital output signals • for digital input signals • for digital input signals 0 Supply voltage	product function	
number of digital inputs number of sockets of or digital output signals of or digital input signals of or digital input signals Supply voltage	 digital inputs parameterizable 	Yes
number of sockets • for digital output signals • for digital input signals • for digital input signals 0 Supply voltage	digital outputs parameterizable	No
for digital output signals for digital input signals O Supply voltage	number of digital inputs	2
• for digital input signals 0 Supply voltage	number of sockets	
Supply voltage	 for digital output signals 	0
	 for digital input signals 	0
type of voltage of the supply voltage DC	Supply voltage	
	type of voltage of the supply voltage	DC

	04 0414
supply voltage 1 at DC	24 24 V
supply voltage 1 at DC rated value	00.414
minimum permissible	20.4 V
maximum permissible	28.8 V
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	21.6 26.4 V
control supply voltage 1 at DC rated value	21.6 26.4 V
control supply voltage 1 at DC	24 24 V
Installation/ mounting/ dimensions	
mounting position	vertical, horizontal
fastening method	pluggable on terminal module
height	290 mm
width	130 mm
depth	150 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	0 60 °C
during storage	-40 +70 °C
during transport	-40 +70 °C
relative humidity during operation	5 95 %
Communication/ Protocol	
protocol is supported	
PROFIBUS DP protocol	Yes
PROFINET protocol	Yes
design of the interface PROFINET protocol	Yes
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function	
supports PROFlenergy measured values	No
supports PROFlenergy shutdown	No
address space memory of address range	
• of the inputs	2 byte
• of the outputs	2 byte
type of electrical connection	of harbeles has
of the communication interface	via backplane bus
for communication transmission	via backplane bus
Connections/ Terminals	
type of electrical connection for main current circuit	screw-type terminals
type of electrical connection	using control modulo
1 for digital input signals 2 for digital input signals	using control module
2 for digital input signals tune of all office I composition	using control module
type of electrical connection	
at the manufacturer-specific device interface	plug
for main energy infeed for lead side system feeder	screw-type terminals
for load-side outgoing feeder for main analyst transmission	Screw-type terminals
• for main energy transmission	via healtalana hun
for supply voltage line-side for supply voltage transmission	via backplane bus
• for supply voltage transmission	via backplane bus
UL/CSA ratings	COO.V
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V
Approvals Certificates	
General Product Approval	







Confirmation





EMV Functional Saftey Test Certificates other Dangerous goods





Type Examination Certificate Type Test Certificates/Test Report Confirmation

Transport Information

Environment

Environmental Confirmations

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RK1301-0AB13-1AA4

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1301-0AB13-1AA4

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK1301-0AB13-1AA4

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1301-0AB13-1AA4&lang=en

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