



RS1-X FOR ET 200S ELECTRO-MECH. REVERS.  
STARTER, EXPANDABLE SETTING RANGE 2.8...4.0A  
AC-3, 1.5KW/400V

Figure similar

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 Motor brake output		Yes
Trip class		CLASS 10
Type of assignment		1
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 according to IEC 204-2 acc. to IEC 750		A
Mounting type		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 value current of the current-dependent overload release	A	2.8 ... 4
<b>Operating power</b>		
• at AC-3 at 400 V Rated value	kW	1.5
• for three-phase motors at 400 V at 50 Hz minimum	kW	1.5
• for three-phase motors at 400 V at 50 Hz maximum	kW	1.5
<b>Maximum short-circuit current breaking capacity (Icu) at 400 V Rated value</b>	kA	50
<b>Design of short-circuit protection</b>		circuit-breakers
<b>Number of poles for main current circuit</b>		3
<b>Type of the motor protection</b>		bimetal
<b>Mechanical service life (switching cycles) of the main contacts typical</b>		100 000

#### Control circuit/ Control:

<b>Type of voltage of the control supply voltage</b>		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:

<b>Type of voltage of the supply voltage</b>		DC
Supply voltage 1 for DC	V	24 ... 24
Supply voltage 1 for DC Rated value	V	20.4 ... 28.8

#### Ambient conditions:

<b>Protection class IP</b>		IP20
<b>Ambient temperature</b>		
• during operation	°C	0 ... 60
• during storage	°C	-40 ... +70
• during transport	°C	-40 ... +70
Relative humidity during operation	%	5 ... 95
<b>Vibration resistance</b>		2g
<b>Shock resistance</b>		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:

<b>Protocol is supported</b>		
<ul style="list-style-type: none"> <li>• PROFIBUS DP protocol</li> <li>• PROFINET protocol</li> <li>• AS-interface protocol</li> </ul>		Yes Yes No
<b>Design of the interface PROFINET protocol</b>		Yes
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• of the communication interface</li> <li>• for communication transmission</li> </ul>		via backplane bus via backplane bus

#### Connections/ Terminals:

<b>Number of digital inputs</b>		0
<b>Number of sockets</b>		
<ul style="list-style-type: none"> <li>• for digital input signals</li> <li>• for digital output signals</li> </ul>		0 0
<b>Product function</b>		
<ul style="list-style-type: none"> <li>• digital inputs parameterizable</li> <li>• digital outputs parameterizable</li> </ul>		No No
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• 1 for digital input signals</li> <li>• 2 for digital input signals</li> </ul>		using control module using control module
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>• at the manufacturer-specific device interface</li> <li>• for main energy infeed</li> <li>• for load-side outgoing feeder</li> <li>• for main energy transmission</li> <li>• for supply voltage infeed</li> <li>• for supply voltage transmission</li> <li>• for main current circuit</li> </ul>		plug screw-type terminals screw-type terminals via energy bus via backplane bus via backplane bus screw-type terminals

#### Electromagnetic compatibility:

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

## Safety related data:

Protection against electrical shock

finger-safe

## Certificates/ approvals:

General Product Approval

For use in  
hazardous  
locations



Declaration of  
Conformity

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/industrymall>

**Cax online generator**

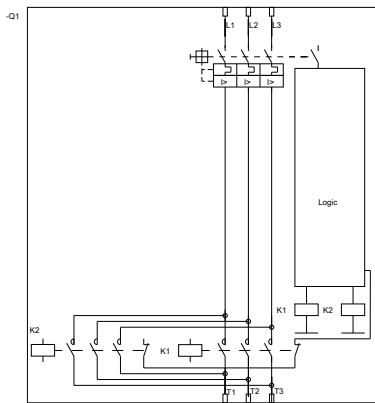
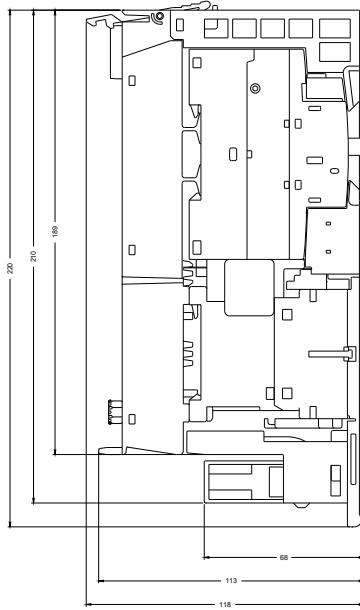
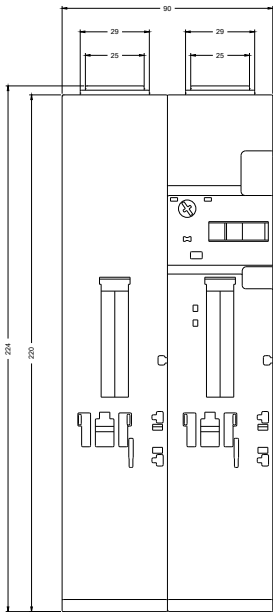
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13011EB001AA2>

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

<http://support.automation.siemens.com/WW/view/en/3RK13011EB001AA2/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK13011EB001AA2&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK13011EB001AA2&lang=en)



- DI 0.0 Bereit
- DI 0.1 Sch-#p; ein
- DI 0.2 Leistungsschalter ausg.
- DO 0.0 Motor Rechts
- DO 0.1 Motor links
- DO 0.2 Bremse

- DI 0.0 Ready
- DI 0.1 Contactor on
- DI 0.2 Circuit breaker tripped
- DO 0.0 Motor right
- DO 0.1 Motor left
- DO 0.2 Brake

last modified:

09.03.2015