



DSS1E-X FOR ET200S HIGH FEATURE DIRECT  
 SOFT STARTER SETTING RANGE 2.4...16A  
 ELECTRONIC SWITCHING ELECTRONIC  
 PROTECTION AC-3/TO 7.5KW/400V EXPANDABLE  
 FOR BRAKE CONTROL MODULE 2DI MODULE  
 MOTORSTARTER ES SIGNAL FROM CIRCUIT-  
 BREAKER PARAMETERIZABLE DPV 1 CAPABLE  
 PROFIENERGY CAPABLE ON PN

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		solid-state
Product component Motor brake output		Yes
Trip class		CLASS 10 and 10A adjustable
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	16
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	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 ... 16
<b>Operating power</b>		
• at AC-3 at 400 V Rated value	kW	7.5
• 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	7.5
<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>		solid-state

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
<b>Degree of pollution</b>		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>		2
<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>		Yes 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

Declaration of  
Conformity



CCC



CSA



GOST



UL



EG-Konf.

Test  
Certificates

other

[Type Test  
Certificates/Test  
Report](#)

[Environmental  
Confirmations](#)



Profibus

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**

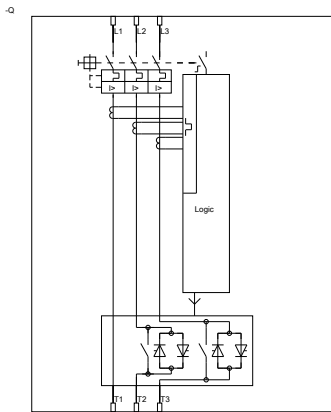
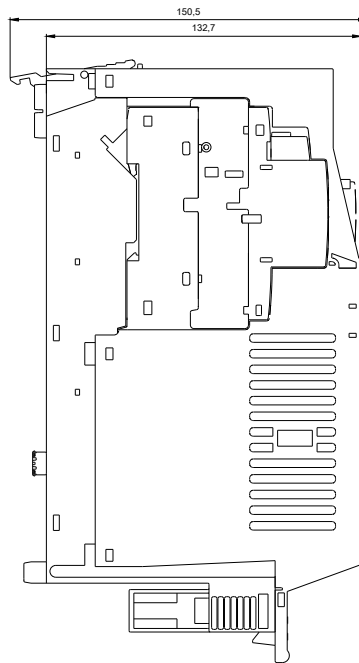
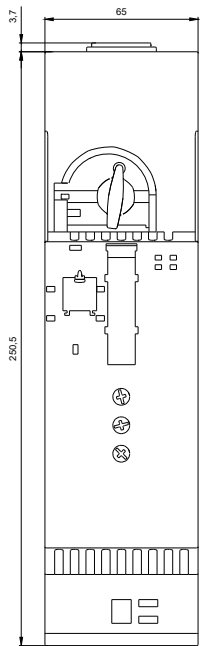
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK13010CB200AB4>

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

<http://support.automation.siemens.com/WW/view/en/3RK13010CB200AB4/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=3RK13010CB200AB4&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK13010CB200AB4&lang=en)



- DI 0.0 Bereit
- DI 0.1 Motor EIN
- DI 0.2 Sammelfehler
- DI 0.3 Sammelfehler
- DI 0.4 Eingang 1
- DI 0.5 Eingang 2
- DI 0.6 Eingang 3
- DI 0.7 Eingang 4
- DI 1.0 - DI 1.5 Motorstrom
- DI 1.6 Hand-Vor-Ort
- DI 1.7 Rampenbetrieb
  
- DO 0.0 Motor Rechts
- DO 0.2 Bremse
- DO 0.3 Trip Reset
- DO 0.4 Notstart
- DO 0.5 Selbsttest
- DO 1.7 Quickstop sperren

- DI 0.0 Ready from Host/PLC
- DI 0.1 Motor ON
- DI 0.2 Group error
- DI 0.3 General warning
- DI 0.4 Input 1
- DI 0.5 Input 2
- DI 0.6 Input 3
- DI 0.7 Input 4
- DI 1.0 - DI 1.5 Motor current
- DI 1.6 Manual operation local
- DI 1.7 Ramp operation
  
- DO 0.0 Motor clockwise
- DO 0.2 Brake
- DO 0.3 Trip Reset
- DO 0.4 Emergency start
- DO 0.5 Self-test
- DO 1.7 Lock quick stop

last modified:

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