

ET 200PRO EDSE/DSSE HF ELECTRONIC DIRECT STARTER ELECTRONIC (SOFT) SWITCHING FULL MOTOR PROTECTION COMPRISING: ELECTRONIC OVERLOAD PROTECTION + THERMISTOR 3 AC 400V/5.5KW; 1.5A...(9A)12A BRAKE CONTACT AC 400V; 4DI HAN Q4/2 - HAN Q8/0

General technical data:		
product brand name		SIRIUS
Product designation		ET 200pro motor starters
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 / thyristor / 2 phases
Product component Motor brake output		Yes
Trip class		CLASS 5, 10, 20 and 30 adjustable
Type of assignment		1
Product feature		
• brake control with 400 V AC		Yes
• 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
Type of voltage of the supply voltage for brake control required		AC
Supply voltage for brake control required	V	400
Surge voltage resistance Rated value	kV	6

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		screw fixing
Depth	mm	150
Height	mm	230
Width	mm	110

#### Main circuit:

Operating voltage Rated value	V	400 ... 500
Adjustable response value current of the current-dependent overload release	A	1.5 ... 12
Operating current at AC-3 at 400 V Rated value	A	12
Operating power at AC-3 at 400 V Rated value	W	5 500
Operating power for three-phase motors at 400 V at 50 Hz minimum	W	70
Operating power for three-phase motors at 400 V at 50 Hz maximum	W	900
Maximum short-circuit current breaking capacity (I <sub>cu</sub> ) at 400 V Rated value	A	100 000
Design of short-circuit protection		fuse
Number of poles for main current circuit		3
Type of the motor protection		full motor protection
Mechanical service life (switching cycles) of the main contacts typical		30 000 000

#### Control circuit/ Control:

Type of voltage of the control supply voltage		DC
Control supply voltage 1 for DC Final rated value	V	24
Control supply voltage 1 for DC Rated value		
• minimum permissible	V	20.4
• maximum permissible	V	28.8

#### Supply voltage:

Type of voltage of the supply voltage		DC
Supply voltage 1 for DC Final rated value	V	24
Supply voltage 1 for DC Rated value		
• minimum permissible	V	20.4
• maximum permissible	V	28.8

#### Ambient conditions:

Protection class IP		IP65
Ambient temperature		
• during operation	°C	-25 ... +55

<ul style="list-style-type: none"> <li>during storage</li> </ul>	°C	-40 ... +70
<ul style="list-style-type: none"> <li>during transport</li> </ul>	°C	-40 ... +70
Relative humidity during operation	%	5 ... 95
<b>Vibration resistance</b>		2g
<b>Shock resistance</b>		15g / 11 ms
<b>Degree of pollution</b>		3
<b>Installation altitude at height above sea level maximum</b>	m	3 500
<b>mounting position</b>		vertical, horizontal

#### Communication/ Protocol:

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

#### Connections/ Terminals:

<b>Number of digital inputs</b>		4
<b>Number of sockets</b>		
<ul style="list-style-type: none"> <li>for digital input signals</li> </ul>		4
<ul style="list-style-type: none"> <li>for digital output signals</li> </ul>		0
<b>Product function</b>		
<ul style="list-style-type: none"> <li>digital inputs parameterizable</li> </ul>		Yes
<ul style="list-style-type: none"> <li>digital outputs parameterizable</li> </ul>		No
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>1 for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>2 for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>3 for digital input signals</li> </ul>		M12 socket
<ul style="list-style-type: none"> <li>4 for digital input signals</li> </ul>		M12 socket
<b>Type of electrical connection</b>		
<ul style="list-style-type: none"> <li>at the manufacturer-specific device interface</li> </ul>		optical interface
<ul style="list-style-type: none"> <li>for main energy infeed</li> </ul>		socket according to ISO23570
<ul style="list-style-type: none"> <li>for load-side outgoing feeder</li> </ul>		socket according to ISO23570
<ul style="list-style-type: none"> <li>for main energy transmission</li> </ul>		socket according to ISO23570
<ul style="list-style-type: none"> <li>for supply voltage infeed</li> </ul>		via backplane bus
<ul style="list-style-type: none"> <li>for supply voltage transmission</li> </ul>		via backplane bus
<ul style="list-style-type: none"> <li>for main current circuit</li> </ul>		tab terminals

#### Certificate of suitability

<b>Protection against electrical shock</b>		finger-safe
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#### Certificates/ approvals:



CCC



CSA



GOST



UL



EG-Konf.

**Test  
Certificates**

[Type Test  
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**other**

[Environmental  
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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**

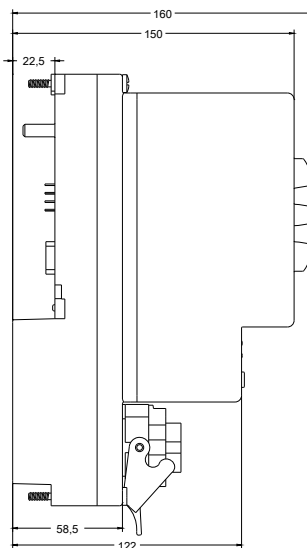
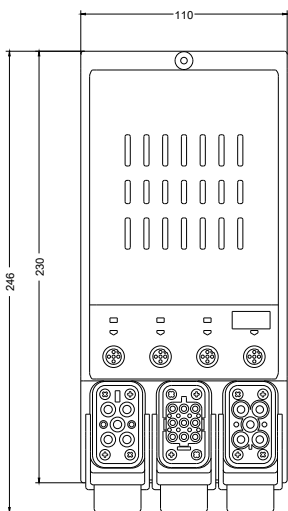
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK13045LS702AA3>

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

<http://support.automation.siemens.com/WW/view/en/3RK13045LS702AA3/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK13045LS702AA3&lang=en>



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09.03.2015