



ET 200PRO DSE ST DIRECT STARTER STANDARD;  
 MECH. SWITCHING;  
 ELECTRO. UE PROTECTION;  
 3PH 400 V/5.5KW;  
 1.50A...12.00 WITHOUT BRAKE CONTACT - HAN Q4/2 -  
 HAN Q8/0

**General technical data:**

<b>product brand name</b>	SIRIUS
<b>Product designation</b>	ET 200pro motor starters
<b>Design of the product</b>	direct starter
<b>Product function</b>	
• bus-communication	Yes
• direct start	Yes
• reverse starting	No
• on-site operation	Yes
• short circuit protection	Yes
<b>Design of the switching contact</b>	electromechanical
<b>Product component / outlet for engine brake</b>	No
<b>Trip class</b>	CLASS 10
<b>Type of assignment</b>	1
<b>Product equipment</b>	
• brake control with 400 V AC	No
• 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

<b>Impulse voltage resistance / rated value</b>	kV	6
<b>Maximum permissible voltage for safe disconnection / between main circuit and auxiliary circuit</b>	V	400
<b>Reference code</b> <ul style="list-style-type: none"> <li>• according to DIN EN 61346-2</li> <li>• according to DIN 40719 extended according to IEC 204-2 / according to IEC 750</li> </ul>		Q A
<b>Mounting type</b>		screw fixing
<b>Depth</b>	mm	150
<b>Height</b>	mm	230
<b>Width</b>	mm	110

#### Main circuit:

<b>Operating voltage</b> <ul style="list-style-type: none"> <li>• rated value</li> </ul>	V	400 ... 500
<b>Adjustable response current</b> <ul style="list-style-type: none"> <li>• of the current-dependent overload release</li> </ul>	A	1.5 ... 12
<b>Operating current / at AC-3 / at 400 V / rated value</b>	A	12
<b>Service power</b> <ul style="list-style-type: none"> <li>• at AC-3 / at 400 V / rated value</li> <li>• for three-phase servomotors / at 400 V / at 50 Hz</li> <li>• minimum</li> </ul>	W W	5,500 700 ... 5,500
<b>Breaking capacity limit short-circuit current (I<sub>cu</sub>) / at 400 V / rated value</b>	A	100,000
<b>Design of the short-circuit protection</b>		fuse
<b>Number of poles / for main current circuit</b>		3
<b>Type of the motor protection</b>		solid-state
<b>Mechanical operating cycles as operating time / of the main contacts / typical</b>		30,000,000

#### Control circuit:

<b>Voltage type / of control feed voltage</b>		DC
<b>Control supply voltage / 1 / for DC</b>	V	24
<b>Control supply voltage / 1 / for DC / rated value</b> <ul style="list-style-type: none"> <li>• permissible minimum</li> <li>• permissible maximum</li> </ul>	V V	20.4 28.8

#### Supply voltage:

<b>Type of / supply voltage</b>		DC
<b>Supply voltage / 1 / for DC</b>	V	24
<b>Supply voltage / 1 / for DC / rated value</b> <ul style="list-style-type: none"> <li>• permissible minimum</li> </ul>	V	20.4

- permissible maximum

V 28.8

### Ambient conditions:

<b>Protection class IP</b>		IP65
<b>Ambient temperature</b>		
• during operating	°C	-25 ... +55
• during storage	°C	-40 ... +70
• during transport	°C	-40 ... +70
<b>Relative humidity</b>		
• during operating phase	%	5 ... 95
<b>Resistance against vibration</b>		2g
<b>Resistance against shock</b>		15g / 11 ms
<b>Degree of pollution</b>		3
<b>Installation altitude / at a height over sea level / maximum</b>	m	3,500
<b>mounting position</b>		vertical, horizontal

### Communication:

<b>Protocol / is supported</b>		
• PROFIBUS DP protocol		Yes
• PROFINET protocol		Yes
• AS interface protocol		No
<b>Design of the interface / PROFINET protocol</b>		Yes
<b>Design of the electrical connection / of the communication interface</b>		via backplane bus

### Connections:

<b>Number of digital inputs</b>		0
<b>Number of sockets</b>		
• for digital input signals		0
• for digital output signals		0
<b>Product function</b>		
• digital inputs parameterizable		No
• digital outputs parameterizable		No
<b>Design of the electrical connection</b>		
• 1 / for digital input signals		M12 socket
• 2 / for digital input signals		M12 socket
• 3 / for digital input signals		M12 socket
• 4 / for digital input signals		M12 socket
• at the manufacturer-specific device interface		optical interface
• for main energy infeed		socket according to ISO23570
• for motor outgoing line		socket according to ISO23570

- for main energy transmission
- for supply voltage infeed
- for supply voltage transmission
- for main current circuit

socket according to ISO23570  
via backplane bus  
via backplane bus  
tab terminals

**Verification of suitability**

CE / UL / CSA / CCC

**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](#)

**Further information:**

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrial-controls/mall>

**CAX-Online-Generator**

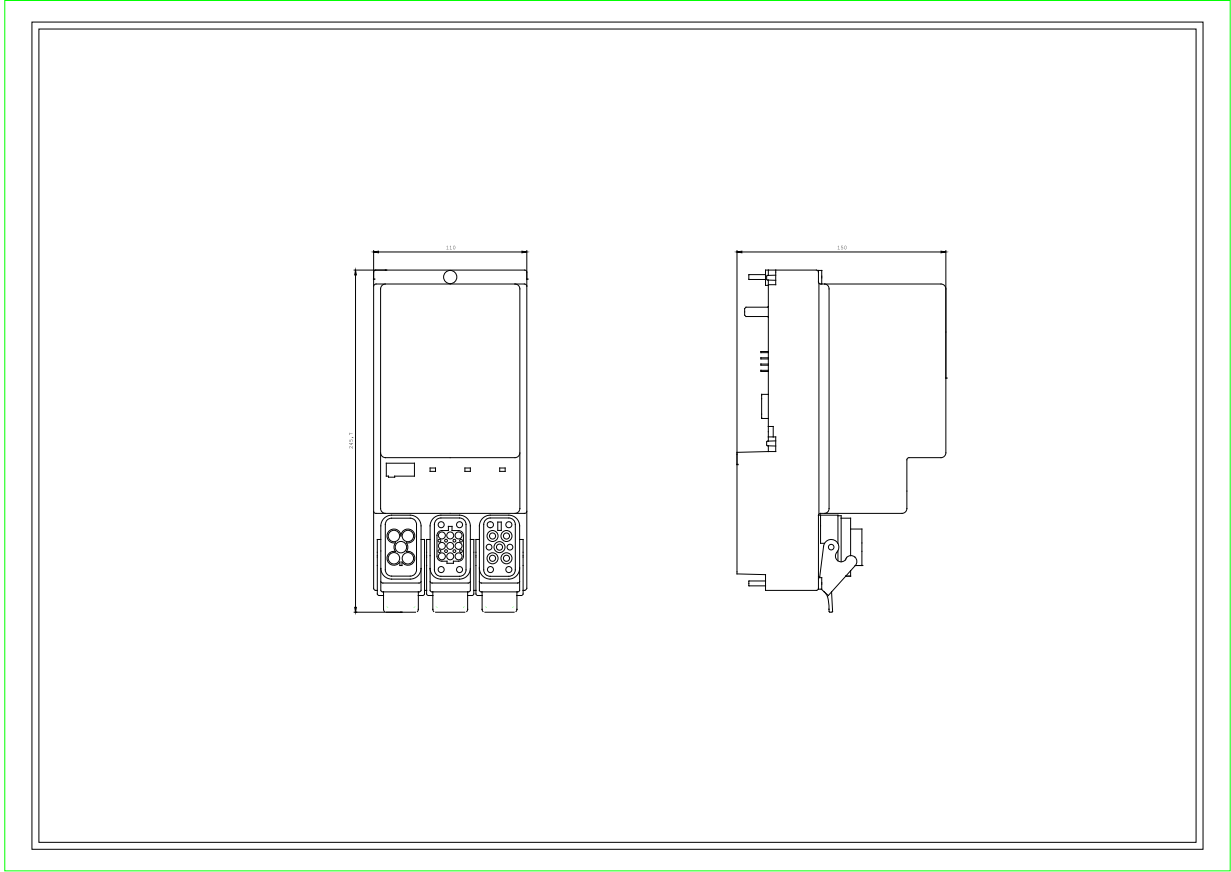
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1304-5LS40-4AA0/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RK1304-5LS40-4AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1304-5LS40-4AA0)



last change:

Jul 21, 2014