



ET 200PRO EDSE/DSSE HF ELECTRONIC DIRECT STARTER ELECTRONIC (SOFT) SWITCHING FULL MOTOR PROTECTION COMPRISING: ELECTRONIC OVERLOAD PROTECTION + THERMISTOR 3 AC 400V/0.9KW; 0.9A...2.00A; W/O BRAKE CONTACT 4DI HAN Q4/2 - HAN Q8/0

General technical data:		
product brandname		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		No
Trip class		Class 5, 10, 20 and 30 adjustable
Type of assignment		1
Product feature		
• 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
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	160
Height	mm	230
Width	mm	110

#### Main circuit:

Operating range relative to the operating voltage at AC at 50 Hz	V	200 ... 440
Operating voltage at AC at 60 Hz acc. to CSA and UL rated value	V	480
Adjustable pick-up value current of the current-dependent overload release	A	0.15 ... 2
Operating current at AC-3 at 400 V rated value	A	2
Operating power at AC-3 at 400 V rated value	W	900
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 (Icu) 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 at DC Final rated value	V	24
Control supply voltage 1 at 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 at DC Final rated value	V	24
Supply voltage 1 at DC rated value		
• minimum permissible	V	20.4
• maximum permissible	V	28.8

Ambient conditions:		
<b>Protection class IP</b>		IP65
<b>Ambient temperature</b>		
• during operation	°C	-25 ... +55
• during storage	°C	-40 ... +70
• during transport	°C	-40 ... +70
<b>Relative humidity during operation</b>	%	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>		
• PROFIBUS DP protocol		Yes
• PROFINET protocol		Yes
• AS-interface protocol		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>		
• for digital input signals		4
• for digital output signals		0
<b>Product function</b>		
• digital inputs parameterizable		Yes
• digital outputs parameterizable		No
<b>Type of 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
<b>Type of electrical connection</b>		
• at the manufacturer-specific device interface		optical interface
• for main energy infeed		socket according to ISO23570
• for load-side outgoing feeder		socket according to ISO23570
• for main energy transmission		socket according to ISO23570
• for supply voltage line-side		via backplane bus
• for supply voltage transmission		via backplane bus
• for main current circuit		tab terminals

## Safety related data:

Protection against electrical shock

finger-safe

## Certificates/approvals

General Product Approval			Declaration of Conformity	Test Certificates	
 CCC	 CSA	 UL	 EAC	 EG-Konf.	<a href="#">Type Test Certificates/Test Report</a>

## other

[Environmental Confirmations](#)

[Confirmation](#)

## Further information

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

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

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1304-5KS70-2AA0>

**Cax online generator**

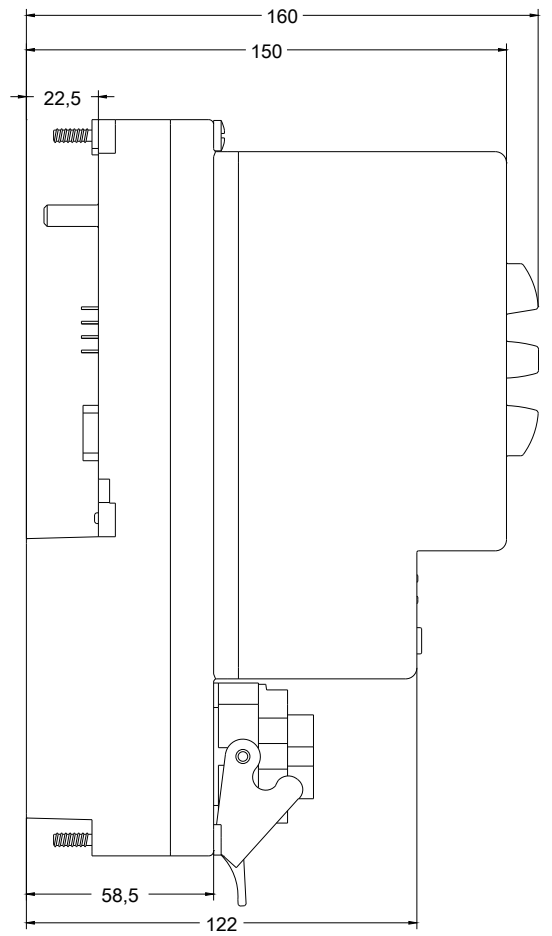
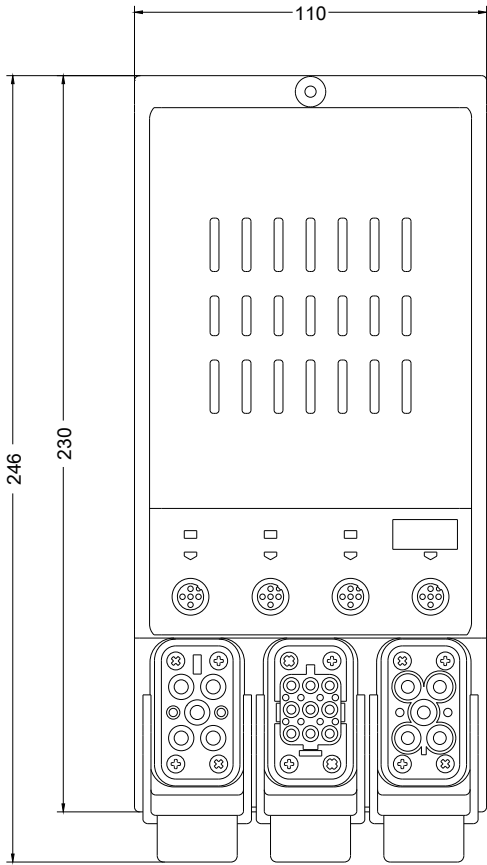
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-5KS70-2AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5KS70-2AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1304-5KS70-2AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-5KS70-2AA0&lang=en)



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