

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; BRAKE CONTACT AC 400V; 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		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	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 (I _{cu}) 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		
<ul style="list-style-type: none"> • minimum permissible 	V	20.4
<ul style="list-style-type: none"> • maximum permissible 	V	28.8

Ambient conditions:

Protection class IP		IP65
Ambient temperature		
<ul style="list-style-type: none"> • during operation 	°C	-25 ... +55
<ul style="list-style-type: none"> • during storage 	°C	-40 ... +70
<ul style="list-style-type: none"> • during transport 	°C	-40 ... +70
Relative humidity during operation	%	5 ... 95
Vibration resistance		2g
Shock resistance		15g / 11 ms
Degree of pollution		3
Installation altitude at height above sea level maximum	m	3 500
Mounting position		vertical, horizontal

Communication/ Protocol:

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

Connections/ Terminals:

Number of digital inputs		4
Number of sockets		
<ul style="list-style-type: none"> • for digital input signals 		4
<ul style="list-style-type: none"> • for digital output signals 		0
Product function		
<ul style="list-style-type: none"> • digital inputs parameterizable 		Yes
<ul style="list-style-type: none"> • digital outputs parameterizable 		No
Type of electrical connection		
<ul style="list-style-type: none"> • 1 for digital input signals 		M12 socket
<ul style="list-style-type: none"> • 2 for digital input signals 		M12 socket
<ul style="list-style-type: none"> • 3 for digital input signals 		M12 socket
<ul style="list-style-type: none"> • 4 for digital input signals 		M12 socket
Type of electrical connection		
<ul style="list-style-type: none"> • at the manufacturer-specific device interface 		optical interface
<ul style="list-style-type: none"> • for main energy infeed 		socket according to ISO23570
<ul style="list-style-type: none"> • for load-side outgoing feeder 		socket according to ISO23570

- for main energy transmission
- for supply voltage line-side
- for supply voltage transmission
- for main current circuit

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

Safety related data:

Protection against electrical shock

finger-safe

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates



CCC



CSA



UL



EG-Konf.

[Type Test Certificates/Test Report](#)

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=3RK1304-5KS70-2AA3>

Cax online generator

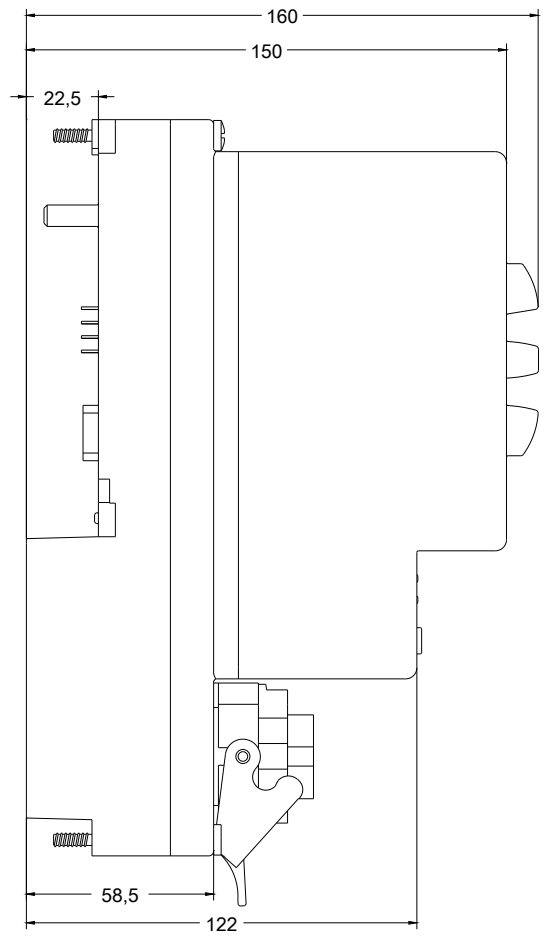
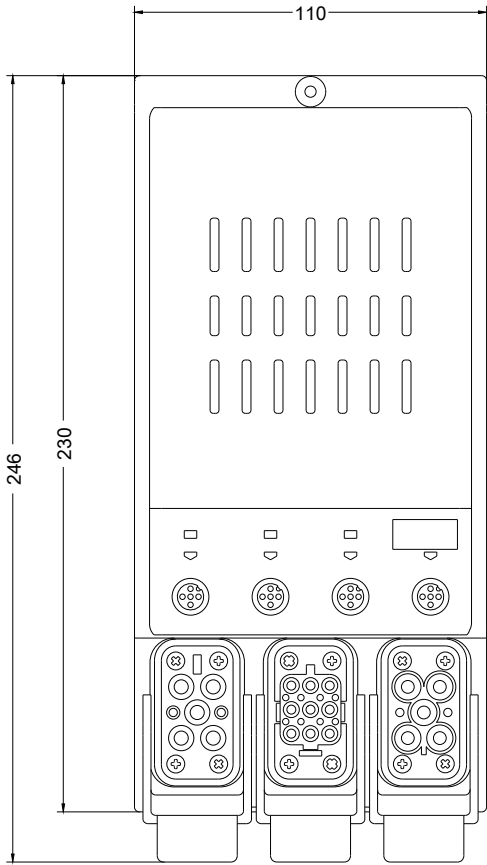
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-5KS70-2AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5KS70-2AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-5KS70-2AA3&lang=en



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08/11/2017