



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 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 / outlet for enine brake		No
Trip class		CLASS 5, 10, 20 and 30 adjustable
Type of assignment		1
Product equipment		
• 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

Impulse voltage resistance / rated value	kV	6
Maximum permissible voltage for safe disconnection / between main circuit and auxiliary circuit	V	400
Reference code • according to DIN EN 61346-2 • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750		Q 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 current • of the current-dependent overload release	A	0.15 ... 2
Operating current / at AC-3 / at 400 V / rated value	A	2
Service power • at AC-3 / at 400 V / rated value • for three-phase servomotors / at 400 V / at 50 Hz • minimum	W W	900 70 ... 900
Breaking capacity limit short-circuit current (Icu) / at 400 V / rated value	A	100,000
Design of the short-circuit protection		fuse
Number of poles / for main current circuit		3
Type of the motor protection		full motor protection
Mechanical operating cycles as operating time / of the main contacts / typical		30,000,000

Control circuit:

Voltage type / of control feed voltage		DC
Control supply voltage / 1 / for DC	V	24
Control supply voltage / 1 / for DC / rated value • permissible minimum • permissible maximum	V V	20.4 28.8

Supply voltage:

Type of / supply voltage		DC
Supply voltage / 1 / for DC	V	24
Supply voltage / 1 / for DC / rated value • permissible minimum	V	20.4

- permissible maximum

V 28.8

Ambient conditions:

Protection class IP

IP65

Ambient temperature

- during operating
- during storage
- during transport

°C -25 ... +55
°C -40 ... +70
°C -40 ... +70

Relative humidity

- during operating phase

% 5 ... 95

Resistance against vibration

2g

Resistance against shock

15g / 11 ms

Degree of pollution

3

Installation altitude / at a height over sea level / maximum

m 3,500

mounting position

vertical, horizontal

Communication:

Protocol / is supported

- PROFIBUS DP protocol
- PROFINET protocol
- AS interface protocol

Yes
Yes
No

Design of the interface / PROFINET protocol

Yes

Design of the electrical connection / of the communication interface

via backplane bus

Connections:

Number of digital inputs

4

Number of sockets

- for digital input signals
- for digital output signals

4
0

Product function

- digital inputs parameterizable
- digital outputs parameterizable

Yes
No

Design of the electrical connection

- 1 / for digital input signals
- 2 / for digital input signals
- 3 / for digital input signals
- 4 / for digital input signals
- at the manufacturer-specific device interface
- for main energy infeed
- for motor outgoing line

M12 socket
M12 socket
M12 socket
M12 socket
optical interface
socket according to ISO23570
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

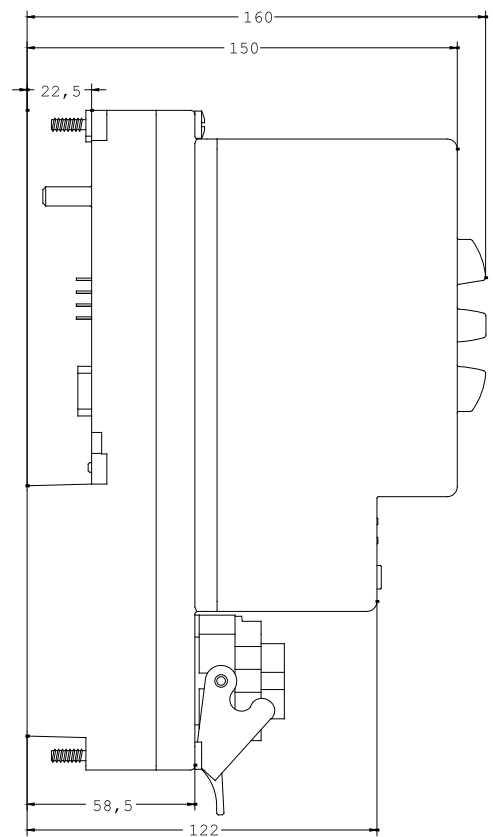
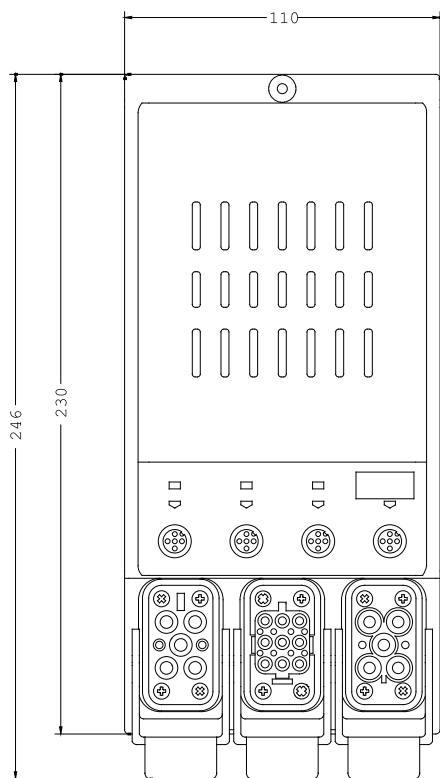
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1304-5KS70-2AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1304-5KS70-2AA0



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