SIEMENS

Product data sheet 3RK1304-5LS70-2AA0

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 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 assignement		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		Q
• according to DIN 40719 extended according to IEC 204-2 / according 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 current		
• of the current-dependent overload release	A	1.5 … 12
Operating current / at AC-3 / at 400 V / rated value	A	12
Service power		
• at AC-3 / at 400 V / rated value	W	5,500
• for three-phase servomotors / at 400 V / at 50 Hz		
• minimum	W	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	V	20.4
• permissible maximum	V	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	°C	-25 … +55
• during storage	°C	-40 … +70
• during transport	°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		Yes
• PROFINET protocol		Yes
• AS interface protocol		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		4
• for digital output signals		0
Product function		
• digital inputs parameterizable		Yes
• digital outputs parameterizable		No
Design of the electrical connection		
• 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		socket according to ISO23570
• for supply voltage infeed		via backplane bus
• for supply voltage transmission		via backplane bus
• for main current circuit		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:

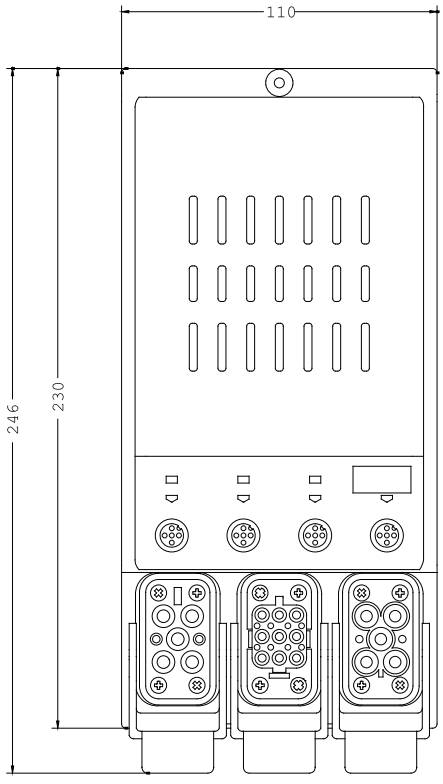
Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

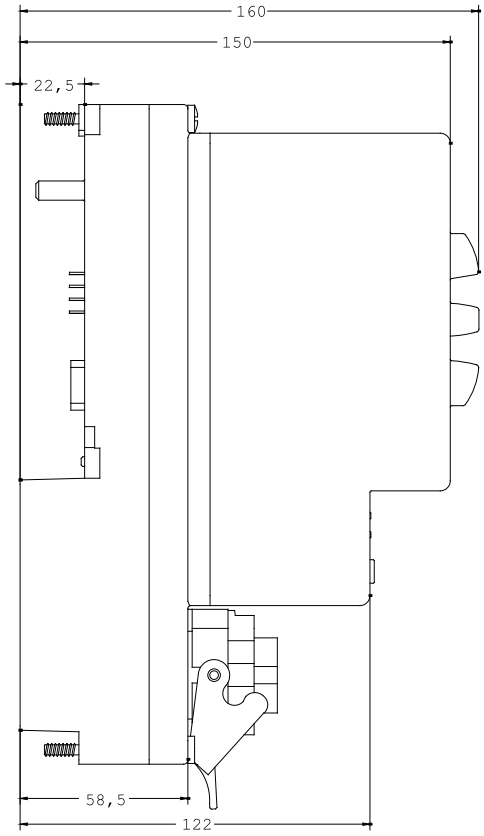
Industry Mall (Online ordering system)
http://www.siemens.com/industrial-controls/mall

CAx-Online-Generator
http://www.siemens.com/cax

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RK1304-5LS70-2AA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1304-5LS70-2AA0





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