



ET 200PRO DSE HF DIRECT STARTER HIGH FEATURE; MECH. SWITCHING; ELECTRO. UE PROTECTION; 3PH 400 V/0.9KW; 0.15A...2.00A WITHOUT BRAKE CONTACT 4DI 24 V DC; HAN Q4/2 - HAN Q8/0

Figure similar

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		electromechanical
Product component Motor brake output		No
Trip class		CLASS 10
Type of assignment		1
Product feature		
• brake control with 400 V AC		No
• brake control with 230 V AC		No

<ul style="list-style-type: none"> <li>• brake control with 24 V DC</li> <li>• brake control with 180 V DC</li> <li>• brake control with 500 V DC</li> </ul>		No
		No
		No
<b>Surge voltage resistance rated value</b>	kV	6
<b>maximum permissible voltage for safe isolation between main and auxiliary circuit</b>	V	400
<b>Equipment marking acc. to DIN EN 61346-2</b>		Q
<b>Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750</b>		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 range relative to the operating voltage at AC at 50 Hz</b>	V	200 ... 440
<b>Operating voltage at AC at 60 Hz acc. to CSA and UL rated value</b>	V	600
<b>Adjustable pick-up value current of the current-dependent overload release</b>	A	0.15 ... 2
<b>Operating current at AC-3 at 400 V rated value</b>	A	2
<b>Operating power at AC-3 at 400 V rated value</b>	W	900
<b>Operating power for three-phase motors at 400 V at 50 Hz minimum</b>	W	70
<b>Operating power for three-phase motors at 400 V at 50 Hz maximum</b>	W	900
<b>Maximum short-circuit current breaking capacity (I<sub>cu</sub>) at 400 V rated value</b>	A	100 000
<b>Design of 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 service life (switching cycles) of the main contacts typical</b>		30 000 000

Control circuit/ Control:		
<b>Type of voltage of the control supply voltage</b>		DC
<b>Control supply voltage 1 at DC Final rated value</b>	V	24
<b>Control supply voltage 1 at DC rated value</b>		
<ul style="list-style-type: none"> <li>• minimum permissible</li> <li>• maximum permissible</li> </ul>	V	20.4
	V	28.8

Supply voltage:		
<b>Type of voltage of the supply voltage</b>		DC
<b>Supply voltage 1 at DC Final rated value</b>	V	24
<b>Supply voltage 1 at DC rated value</b>		

- minimum permissible
- maximum permissible

V	20.4
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
- for supply voltage transmission
- for main current circuit

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?mfb=3RK1304-5KS40-2AA0>

##### Cax online generator

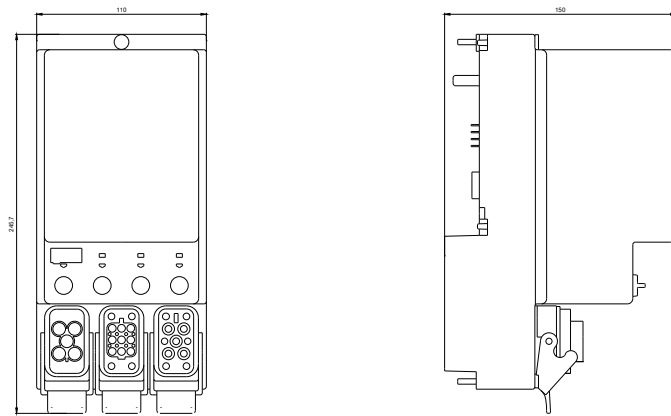
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK1304-5KS40-2AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5KS40-2AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=3RK1304-5KS40-2AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK1304-5KS40-2AA0&lang=en)



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