SIEMENS

Data sheet 3RK1304-0HS00-8AA0

ET 200pro ASm 400 V Disconnection module 400 V to 25 A for safe switching-off up to Category 3/4 Han Q4/2

product brand name	SIMATIC
product designation	Motor starters
design of the product	safety disconnecting module
product type designation	ET 200pro
General technical data	
product function on-site operation	No
insulation voltage rated value	400 V
degree of pollution	3
surge voltage resistance rated value	6 kV
maximum permissible voltage for protective separation between main and auxiliary circuit	400 V
protection class IP	IP65
shock resistance	15g / 11 ms
vibration resistance	2g
type of assignment	1
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/28/2009
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 2-Methyl-1-(4-methylthiophenyl)-2-morpho - 71868-10-5 Bleititanzirkonoxid - 12626-81-2 2,2',6,6'-Tetrabrom-4,4'-isopropylidendi - 79-94-7
product component motor brake output	No
product feature	
● brake control with 230 V AC	No
● brake control with 400 V AC	No
● brake control with 24 V DC	No
● brake control with 180 V DC	No
● brake control with 500 V DC	No
product function short circuit protection	No
Safety related data	
safety device type according to IEC 61508-2	Type A
safe state	Load circuit open
Safety Integrity Level (SIL) according to IEC 61508	3
stop category according to EN 60204-1	0
average diagnostic coverage level (DCavg)	99 %
failure rate [FIT]	
● at rate of recognizable hazardous failures (λdd)	550 FIT
● at rate of non-recognizable hazardous failures (λdu)	6 FIT
Safe failure fraction (SFF)	99 %
hardware fault tolerance according to IEC 61508	1
touch protection against electrical shock	finger-safe

Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
type of voltage	AC
operating voltage rated value	200 ... 400 V
operating frequency 1 rated value	50 Hz
operating frequency 2 rated value	60 Hz
relative positive tolerance of the operating frequency	10 %
relative negative tolerance of the operating frequency	15 %
operating range relative to the operating voltage at AC at 50 Hz	200 ... 440 V
operational current	
● at AC at 400 V rated value	25 A
● at AC-3 at 400 V rated value	25 A
● at AC-3e at 400 V rated value	25 A
operating power	
● at AC-3 at 400 V rated value	11 000 W
● at AC-3e at 400 V rated value	11 000 W
operating power for 3-phase motors at 400 V at 50 Hz	0 ... 11 000 W
Inputs/ Outputs	
product function	
● digital inputs parameterizable	No
● digital outputs parameterizable	No
number of digital inputs	0
number of sockets	
● for digital output signals	0
● for digital input signals	0
Supply voltage	
type of voltage of the supply voltage	DC
supply voltage 1 at DC	24 ... 24 V
supply voltage 1 at DC rated value	
● minimum permissible	20.4 V
● maximum permissible	28.8 V
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC rated value	20.4 ... 28.8 V
control supply voltage 1	
● at DC rated value	20.4 ... 28.8 V
● at DC	24 ... 24 V
control current at DC	
● in standby mode of operation	5 mA
● when switching on	300 mA
● during operation	300 mA
Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw fixing
height	230 mm
width	110 mm
depth	157.5 mm
Ambient conditions	
installation altitude at height above sea level maximum	3 500 m
ambient temperature	
● during operation	-25 ... +55 °C
● during storage	-40 ... +70 °C
● during transport	-40 ... +70 °C
relative humidity during operation	5 ... 95 %
Communication/ Protocol	
protocol is supported	
● PROFIBUS DP protocol	Yes
● PROFINET protocol	Yes
● PROFINET IO protocol	Yes

● PROFIsafe protocol	No
design of the interface PROFINET protocol	Yes
product function bus communication	Yes
protocol is supported AS-Interface protocol	No
product function	
● supports PROFIenergy measured values	No
● supports PROFIenergy shutdown	No
address space memory of address range	
● of the inputs	1 byte
● of the outputs	0 byte
type of electrical connection of the communication interface	via backplane bus

Connections/ Terminals

type of electrical connection	
● for main current circuit	tab terminals
type of 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
type of electrical connection	
● 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

UL/CSA ratings

full-load current (FLA) for 3-phase AC motor at 480 V rated value	20 A
yielded mechanical performance [hp]	
● for 3-phase AC motor	
— at 200/208 V rated value	7.5 hp
— at 220/230 V rated value	7.5 hp
— at 460/480 V rated value	15 hp
— at 575/600 V rated value	20 hp
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

Certificates/ approvals

General Product Approval				EMC	Declaration of Conformity
CCC	Confirmation	UL	EAC	RCM	UKCA

Declaration of Conformity	Test Certificates	other	Dangerous Good
CE EG-Konf.	Type Test Certificates/Test Report	Confirmation	Transport Information

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)

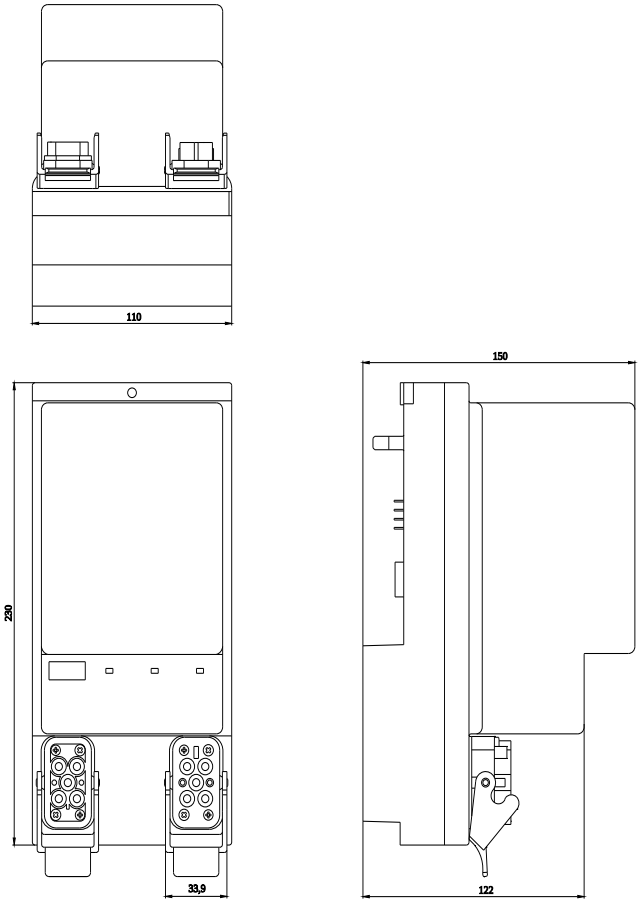
https://www.siemens.com/ic10

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1304-0HS00-8AA0

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-0HS00-8AA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-0HS00-8AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-0HS00-8AA0&lang=en



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