



ET 200pro ASM 400 V disconnecting module 400 V to 25 A for safe disconnection 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
<b>General technical data</b>	
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
degree of protection NEMA rating	Type 2, 12
shock resistance	15g / 11 ms
vibration resistance	2g
type of assignment	1
reference code according to IEC 81346-2	Q
Substance Prohibition (Date)	05/28/2009
SVHC substance name	Lead - 7439-92-1 Lead monoxide (lead oxide) - 1317-36-8 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol - 79-94-7 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one - 71868-10-5 Lead titanium zirconium oxide - 12626-81-2
Weight	2.504 kg
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
<b>Safety related data</b>	
safe state	Load circuit open
stop category according to IEC 60204-1	0
failure rate [FIT] at rate of recognizable hazardous failures (λdd)	550 FIT
failure rate [FIT] at rate of non-recognizable hazardous failures (λdu)	6 FIT
average diagnostic coverage level (DCavg)	99 %
IEC 61508	
Safety Integrity Level (SIL)	
• according to IEC 61508	SIL 3

<b>safety device type according to IEC 61508-2</b>	Type A
<b>Safe failure fraction (SFF)</b>	99 %
hardware fault tolerance according to IEC 61508	1
T1 value for proof test interval or service life according to IEC 61508	10 a
<b>Electrical Safety</b>	
<b>touch protection against electrical shock</b>	finger-safe
<b>Main circuit</b>	
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
<b>operating frequency 1 rated value</b>	50 Hz
<b>operating frequency 2 rated value</b>	60 Hz
<b>relative positive tolerance of the operating frequency</b>	10 %
<b>relative negative tolerance of the operating frequency</b>	15 %
operating range relative to the operating voltage at AC at 50 Hz	200 ... 440 V
<b>operational current</b>	
• 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
<b>operating power</b>	
• 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
<b>Inputs/ Outputs</b>	
<b>product function</b>	
• digital inputs parameterizable	No
• digital outputs parameterizable	No
<b>number of digital inputs</b>	0
<b>number of sockets</b>	
• for digital output signals	0
• for digital input signals	0
<b>Supply voltage</b>	
<b>type of voltage of the supply voltage</b>	DC
<b>supply voltage 1 at DC</b>	24 ... 24 V
<b>supply voltage 1 at DC rated value</b>	
• minimum permissible	20.4 V
• maximum permissible	28.8 V
<b>Control circuit/ Control</b>	
<b>type of voltage of the control supply voltage</b>	DC
<b>control supply voltage at DC rated value</b>	20.4 ... 28.8 V
<b>control supply voltage 1 at DC rated value</b>	20.4 ... 28.8 V
<b>control supply voltage 1 at DC</b>	24 ... 24 V
<b>control current at DC</b>	
• in standby mode of operation	5 mA
• when switching on	300 mA
• during operation	300 mA
<b>Installation/ mounting/ dimensions</b>	
<b>mounting position</b>	any
<b>fastening method</b>	screw fixing
<b>height</b>	230 mm
<b>width</b>	110 mm
<b>depth</b>	157.5 mm
<b>Ambient conditions</b>	
installation altitude at height above sea level maximum	3 500 m
<b>ambient temperature</b>	
• during operation	-25 ... +55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
<b>relative humidity during operation</b>	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	
protocol is supported AS-Interface protocol	No
product function	
• supports PROFlenergy measured values	No
• supports PROFlenergy 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

Approvals Certificates	
General Product Approval	EMV



Functional Saftey	Test Certificates	other	Dangerous goods	Environment
<a href="#">Type Examination Certificate</a>	<a href="#">Type Test Certificates/Test Report</a>	<a href="#">Confirmation</a>	<a href="#">Transport Information</a>	<a href="#">Environmental Confirmations</a>

#### Further information

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

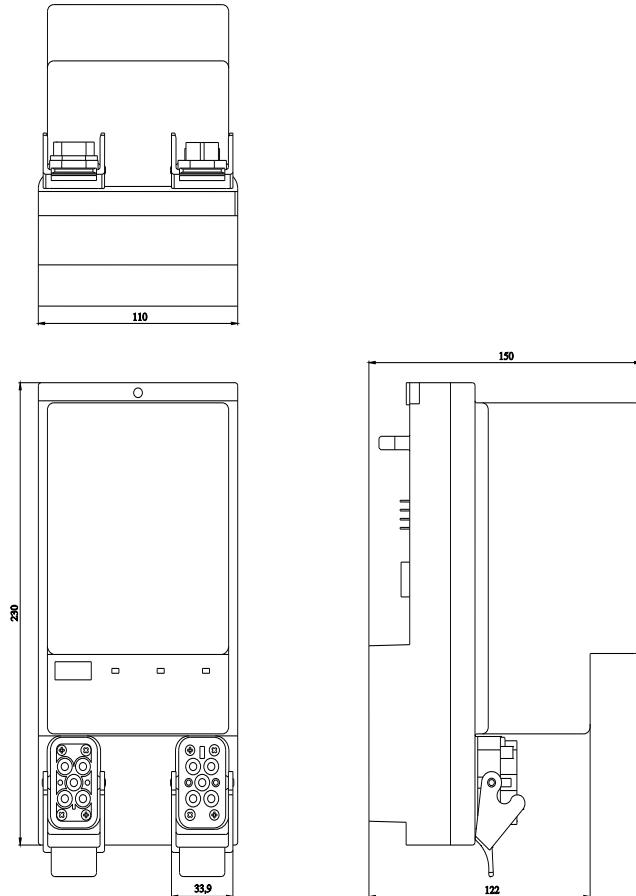
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-0HS00-8AA0>

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](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-0HS00-8AA0&lang=en)



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