SIEMENS

Data sheet 3RK1304-5LS40-4AA0

Figure similar

ET 200pro DSE ST DOL starter Standard Mechanical switching Electronic overload protection AC-3, 5.5 kW / 400 V 1.50 A...12.00 A without brake contact Han Q4/2 - Han Q8/0

product brand name	SIMATIC
product designation	Motor starters
design of the product	direct starter
product type designation	ET 200pro
General technical data	
product function on-site operation	Yes
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
shock resistance	15g / 11 ms
vibration resistance	2g
mechanical service life (operating cycles) of the main contacts typical	30 000 000
type of assignment	1
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
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 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1 Lead titanium zirconium oxide - 12626-81-2
Weight	1.674 kg
product function	
● direct start	Yes
● reverse starting	No
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	Yes
design of short-circuit protection	fuse
maximum short-circuit current breaking capacity (Icu)	
● at 400 V rated value	100 000 A
Safety related data	
proportion of dangerous failures	
● with low demand rate according to SN 31920	50 %

● with high demand rate according to SN 31920	75 %
B10 value with high demand rate according to SN 31920	1 000 000
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
touch protection against electrical shock	finger-safe
Main circuit	
number of poles for main current circuit	3
design of the switching contact	electromechanical
adjustable current response value current of the current-dependent overload release	1.5 ... 12 A
type of the motor protection	solid-state
type of voltage	AC
operating voltage rated value	200 ... 400 V
operating range relative to the operating voltage at AC at 50 Hz	200 ... 440 V
operational current	
● at AC at 400 V rated value	12 A
● at AC-3 at 400 V rated value	12 A
operating power	
● at AC-3 at 400 V rated value	5 500 W
operating power for 3-phase motors at 400 V at 50 Hz	700 ... 5 500 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
control supply voltage 1 at DC	24 ... 24 V
power loss [W] in auxiliary and control circuit	
● in switching state OFF	
— with bypass circuit	1.6416 W
— without bypass circuit	1.656 W
● in switching state ON	
— with bypass circuit	3.888 W
— without bypass circuit	3.888 W
Installation/ mounting/ dimensions	
mounting position	vertical, horizontal
fastening method	screw fixing
height	230 mm
width	110 mm
depth	150 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
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	Yes
● supports PROFIenergy shutdown	Yes
address space memory of address range	
● of the inputs	2 byte
● of the outputs	2 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	
operating voltage at AC at 60 Hz according to CSA and UL rated value	600 V

Approvals Certificates

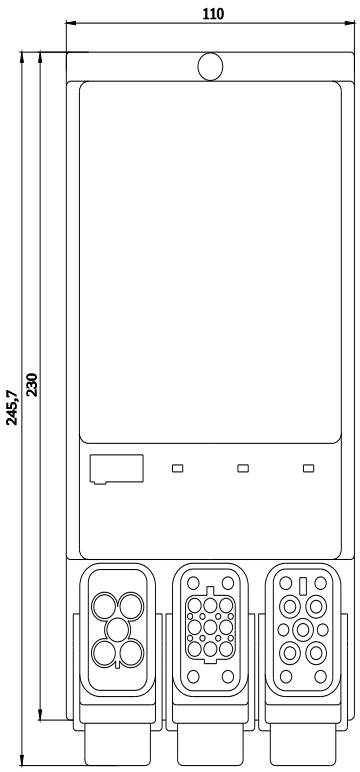
General Product Approval

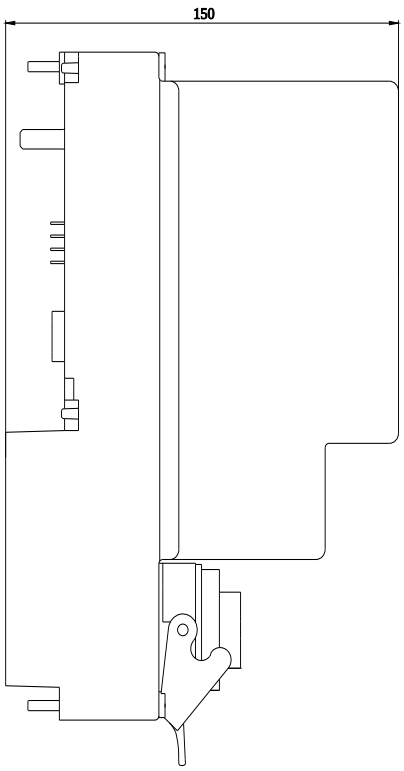
Confirmation


EMV	Test Certificates	other	Dangerous goods	Environment
	Type Test Certificates/Test Report	Confirmation	Transport Information	Environmental Confirmations

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=3RK1304-5LS40-4AA0
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1304-5LS40-4AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5LS40-4AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1304-5LS40-4AA0&lang=en





last modified: 3/11/2024