

Data sheet

3RK1304-5KS40-5AA0



Figure similar

ET 200pro RSE ST Reversing starter standard Mechanical switching Electronic overload protection AC-3, 0.9 kW / 400 V 0.15 A...2.00 A without brake contact Han Q4/2 - Han Q8/0

product brand name	SIMATIC
product designation	Motor starters
design of the product	reversing 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 coordination	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 Lead titanium zirconium oxide - 12626-81-2 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol - 119-47-1
Net Weight	1.993 kg
product function	
• direct start	No
• reverse starting	Yes
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	0.15 ... 2 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	2 A
• at AC-3 at 400 V rated value	2 A
operating power	
• at AC-3 at 400 V rated value	900 W
operating power for 3-phase motors at 400 V at 50 Hz	70 ... 900 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	1.6416 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	<ul style="list-style-type: none"> • during operation • during storage • during transport 	-25 ... +55 °C -40 ... +70 °C -40 ... +70 °C
relative humidity during operation		5 ... 95 %
Communication/ Protocol		
protocol is supported		
<ul style="list-style-type: none"> • PROFIBUS DP protocol • PROFINET protocol 	Yes Yes	
design of the interface PROFINET protocol	Yes	
product function bus communication		
protocol is supported AS-Interface protocol	No	
product function		
<ul style="list-style-type: none"> • supports PROFlenergy measured values • supports PROFlenergy shutdown 	Yes Yes	
address space memory of address range		
<ul style="list-style-type: none"> • of the inputs • of the outputs 	2 byte 2 byte	
type of electrical connection of the communication interface	via backplane bus	

Connections/ Terminals		
type of electrical connection		
<ul style="list-style-type: none"> • for main current circuit 	tab terminals	
type of electrical connection		
<ul style="list-style-type: none"> • 1 for digital input signals • 2 for digital input signals • 3 for digital input signals • 4 for digital input signals 	M12 socket M12 socket M12 socket M12 socket	
type of electrical connection		
<ul style="list-style-type: none"> • at the manufacturer-specific device interface • for main energy infeed • for load-side outgoing feeder • for main energy transmission • for supply voltage line-side • for supply voltage transmission 	optical interface socket according to ISO23570 socket according to ISO23570 socket according to ISO23570 via backplane bus 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	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 for data generation and storage		
https://support.industry.siemens.com/cs/ww/en/view/109995012		
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=3RK1304-5KS40-5AA0		

Cax online generator

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

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

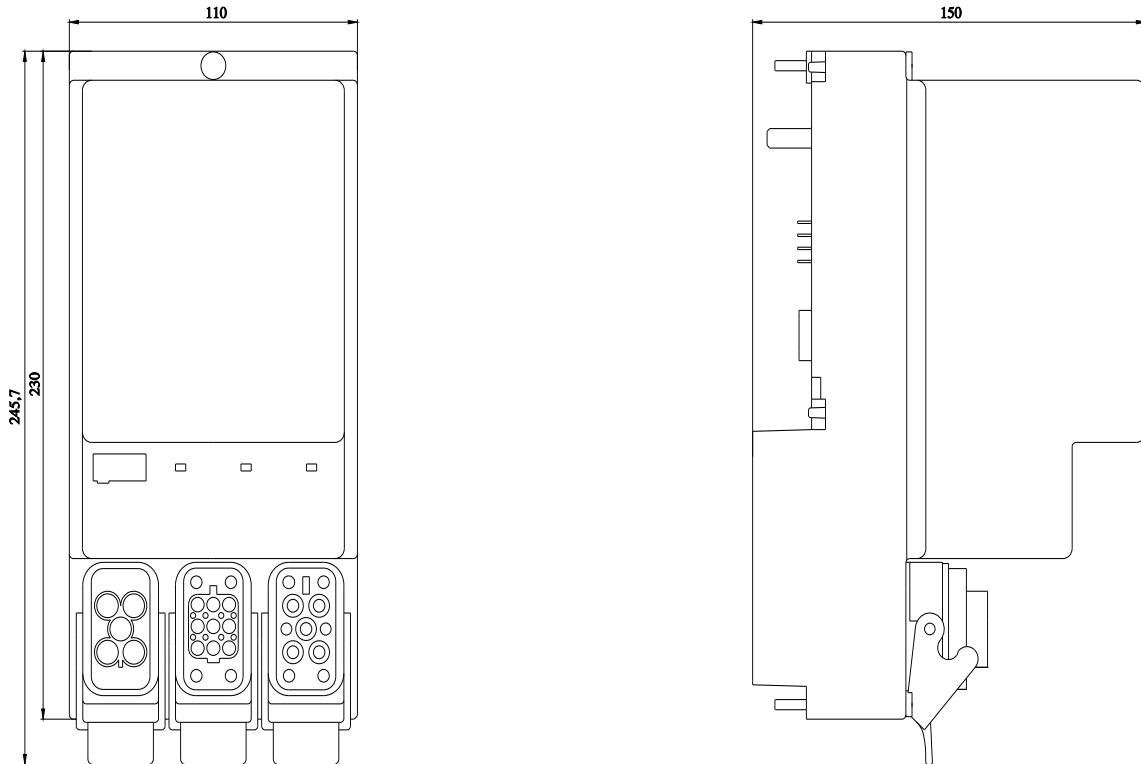
<https://support.industry.siemens.com/cs/ww/en/ps/3RK1304-5KS40-5AA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=3RK1304-5KS40-5AA0&lang=en

Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)



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