



Figure similar

SIRIUS MCU motor starter Enclosure degree of protection IP54 metal
Communication AS-Interface electromechanically switching Short-circuit protection
with circuit breaker DOL starter Brake 400 V AC (internal) Performance class 1.25
A Motor circuit breaker with bi-metal thermal Rotary operating mechanism
gray/black Connection power M screw connection Standard product

product brand name	SIRIUS
product designation	motor starter MCU for AS-Interface
design of the product	direct starter
product function bus communication	Yes
operating frequency minimum	80 1/h
type of coordination	1
reference code according to IEC 81346-2	Q
Substance Prohibittance (day/month/year)	05/01/2012
Net Weight	5.8 kg
product component motor brake output	Yes
product feature	
• brake control with 400 V AC	Yes
• brake control with 24 V DC	No
• brake control with 180 V DC	No
• brake control with 500 V DC	No
product extension braking module for brake control	No
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (Icu) at 400 V rated value	50 000 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	0.9 ... 1.25 A
type of the motor protection	bimetal
type of voltage	DC
operating voltage rated value	340 ... 440 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		-10 %		
operational current				
• at AC at 400 V rated value		1.25 A		
• at AC-3 at 400 V rated value		1.25 A		
operating power at AC-3 at 400 V rated value		0.4 kW		
operating power for 3-phase motors at 400 V at 50 Hz		0.37 kW		
number of digital inputs		2		
type of voltage of the supply voltage		DC		
control supply voltage at DC rated value		20.4 ... 26.4 V		
mounting position		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
height		215 mm		
width		245 mm		
depth		205 mm		
Ambient conditions				
ambient temperature during operation		-25 ... +50 °C		
protocol is supported				
• PROFIBUS DP protocol		No		
• PROFINET protocol		No		
protocol is supported AS-Interface protocol		Yes		
type of electrical connection for main current circuit		screw-type terminals		
Approvals Certificates				
General Product Approval	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=3RK4320-3DQ51-0BA3>

Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK4320-3DQ51-0BA3>

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

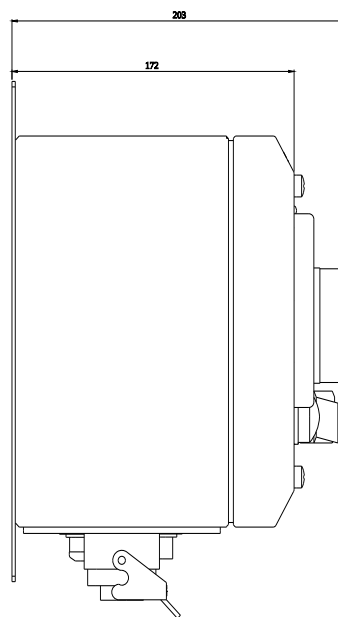
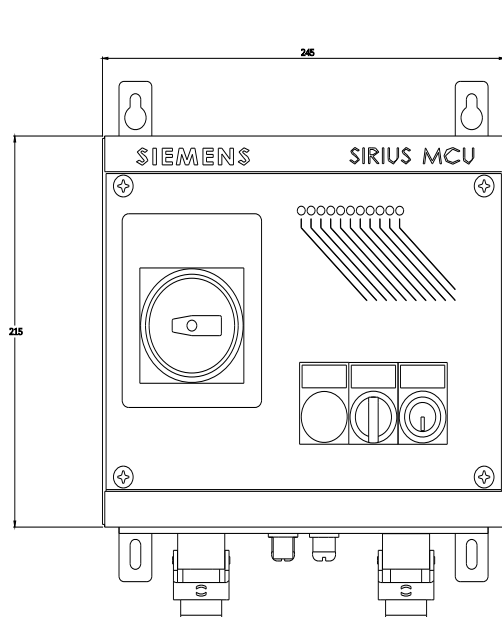
<https://support.industry.siemens.com/cs/ww/en/ps/3RK4320-3DQ51-0BA3>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK4320-3DQ51-0BA3&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=)



last modified:

4/17/2025 