



Figure similar

SIRIUS MCU motor starter Enclosure degree of protection IP54 metal  
 Communication AS-Interface Electronic switching Short-circuit protection with  
 circuit breaker DOL starter Brake 400 V AC (internal) Performance class 1.25 A  
 Motor protection electronic Overload relay with thermal motor model Manual  
 operation with manual operation momentary contact type Connection power M  
 screw connection Standard product

<b>product brand name</b>	SIRIUS
<b>product designation</b>	motor starter MCU for AS-Interface
<b>design of the product</b>	direct starter
<b>product function bus communication</b>	Yes
<b>operating frequency minimum</b>	3 600 1/h
<b>type of coordination</b>	1
<b>reference code according to IEC 81346-2</b>	Q
<b>Substance Prohibitance (day/month/year)</b>	05/01/2012
<b>SVHC substance name</b>	Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
<b>Net Weight</b>	7.454 kg
<b>product component motor brake output</b>	Yes
<b>product feature</b>	<ul style="list-style-type: none"> <li>• brake control with 400 V AC Yes</li> <li>• brake control with 24 V DC No</li> <li>• brake control with 180 V DC No</li> <li>• brake control with 500 V DC No</li> </ul>
<b>product extension braking module for brake control</b>	No
<b>design of short-circuit protection</b>	circuit-breakers
maximum short-circuit current breaking capacity (I <sub>cu</sub> ) at 400 V rated value	50 000 A
<b>Safety related data</b>	
<b>proportion of dangerous failures</b>	<ul style="list-style-type: none"> <li>• with low demand rate according to SN 31920 50 %</li> <li>• with high demand rate according to SN 31920 75 %</li> </ul>
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000
<b>failure rate [FIT] with low demand rate according to SN 31920</b>	100 FIT
IEC 61508	
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
<b>touch protection against electrical shock</b>	finger-safe
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>design of the switching contact</b>	solid-state
<b>adjustable current response value current of the current-</b>	0.32 ... 1.25 A

<b>dependent overload release</b>	
<b>type of the motor protection</b>	solid-state
<b>type of voltage</b>	DC
operating voltage rated value	340 ... 460 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>	-10 %
<b>operational current</b>	
• 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	0.12 ... 0.37 kW
<b>number of digital inputs</b>	2
<b>type of voltage of the supply voltage</b>	DC
<b>control supply voltage at DC rated value</b>	20.4 ... 26.4 V
<b>mounting position</b>	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
<b>height</b>	215 mm
<b>width</b>	290 mm
<b>depth</b>	205 mm
<b>Ambient conditions</b>	
ambient temperature during operation	-25 ... +50 °C
<b>protocol is supported</b>	
• 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	other	Environment
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[Confirmation](#)



[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=3RK4320-5DQ64-0BA3>

##### Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK4320-5DQ64-0BA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK4320-5DQ64-0BA3>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK4320-5DQ64-0BA3&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK4320-5DQ64-0BA3&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=)

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