



SIRIUS MCU motor starter enclosure degree of protection IP55 plastic communication without electromechanically switching short-circuit protection with circuit breaker direct-on-line starter brake without performance class 12 A motor circuit breaker with bimetal thermal manual control latching connection power M screw gland electrical wholesale trade version

product brand name	SIRIUS
product designation	motor starter MCU controlled on site
design of the product	direct starter
product function bus communication	No
operating frequency minimum	80 1/h
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
Weight	2.15 kg
product component motor brake output	No
product feature	
• 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 extension braking module for brake control	No
design of short-circuit protection	circuit-breakers
maximum short-circuit current breaking capacity (I _{cu}) 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	9 ... 12.5 A
type of the motor protection	bimetal
type of voltage	AC
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	12 A
• at AC-3 at 400 V rated value	12 A
operating power at AC-3 at 400 V rated value	5.5 kW
operating power for 3-phase motors at 400 V at 50 Hz	5.5 ... 5.5 kW
number of digital inputs	1
type of voltage of the supply voltage	AC
control supply voltage at AC	
• at 50 Hz rated value	184 ... 253 V
• at 60 Hz rated value	196 ... 253 V
supply voltage frequency for auxiliary and control circuit rated value	50 ... 60 Hz
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
height	220 mm
width	182 mm
depth	145 mm
Ambient conditions	
ambient temperature during operation	-25 ... +35 °C
protocol is supported	
• PROFIBUS DP protocol	No
• PROFINET protocol	No
protocol is supported AS-Interface protocol	No
type of electrical connection for main current circuit	screw-type terminals

Approvals Certificates

General Product Approval	Test Certificates	other
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[Type Test Certificates/Test Report](#)



[Confirmation](#)

Dangerous goods	Environment
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[Transport Information](#)

[Environmental Conformations](#)

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=3RK4353-3PR58-0BA0>

Cax online generator

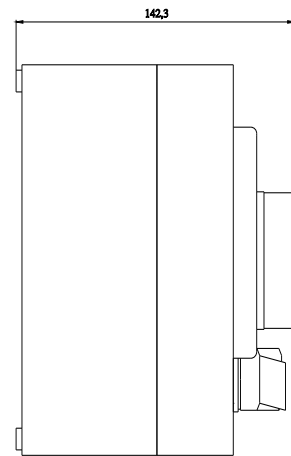
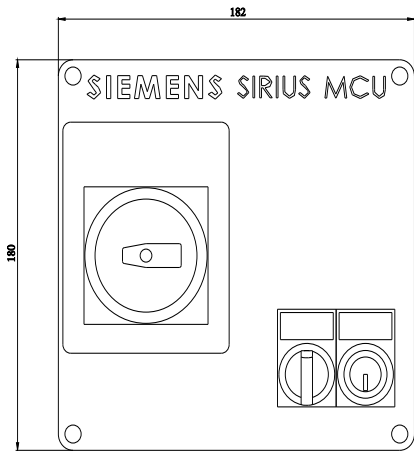
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK4353-3PR58-0BA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK4353-3PR58-0BA0>

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

https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK4353-3PR58-0BA0&lang=en



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