



SIRIUS MCU motor starter Enclosure degree of protection IP55 plastic  
Communication without electromechanically switching Short-circuit  
protection with circuit breaker DOL starter Brake without Performance class  
12 A Motor circuit breaker with bi-metal thermal Manual operation latching  
Connection power M screw connection Electrical wholesale version

product brand name	SIRIUS
product designation	motor starter MCU controlled on site
design of the product	direct starter
trip class	CLASS 10
product function	
• bus communication	No
• short circuit protection	Yes
protection class IP	IP55
operating frequency minimum	80 1/h
type of assignment	1
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
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 (Icu) at 400 V rated value	50 000 A
B10 value with high demand rate according to SN 31920	1 000 000
proportion of dangerous failures	
• with low demand rate according to SN 31920	50 %
• with high demand rate according to SN 31920	75 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
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

operating power at AC-3 at 400 V rated value  
operating power for 3-phase motors at 400 V at 50 Hz  
**number of digital inputs**  
**type of voltage of the supply voltage**  
**control supply voltage at AC**

- at 50 Hz rated value
- at 60 Hz rated value

**supply voltage frequency for auxiliary and control circuit rated value**  
**mounting position**

**height**  
**width**  
**depth**

12 A  
5.5 kW  
5.5 ... 5.5 kW  
1  
AC

184 ... 253 V  
196 ... 253 V  
50 ... 60 Hz

+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface  
220 mm  
182 mm  
145 mm

#### Ambient conditions

ambient temperature during operation

-25 ... +35 °C

**protocol is supported**

- PROFIBUS DP protocol
- PROFINET protocol

No

No

protocol is supported AS-Interface protocol

No

type of electrical connection for main current circuit

screw-type terminals

#### Further information

**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**

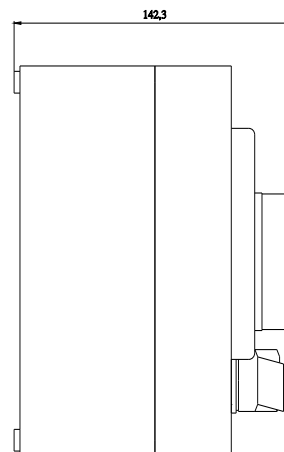
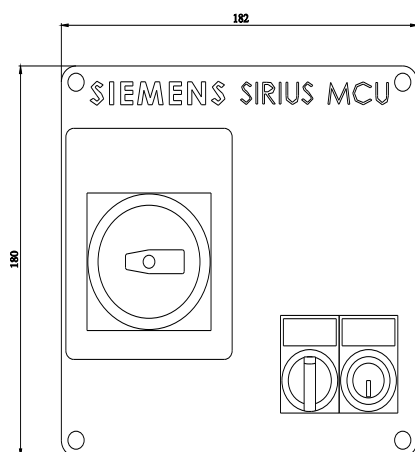
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK4353-3PR58-0BA0>

**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, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK4353-3PR58-0BA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK4353-3PR58-0BA0&lang=en)



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