## **SIEMENS**

Data sheet 3RW4026-1BB04



SIRIUS soft starter S0 25 A, 11 kW/400 V, 40  $^{\circ}\text{C}$  200-480 V AC, 24 V AC/DC Screw terminals

General technical data		
product brand name		SIRIUS
product feature		
<ul> <li>integrated bypass contact system</li> </ul>		Yes
• thyristors		Yes
product function		
<ul> <li>intrinsic device protection</li> </ul>		Yes
<ul> <li>motor overload protection</li> </ul>		Yes
<ul> <li>evaluation of thermistor motor protection</li> </ul>		No
external reset		Yes
<ul> <li>adjustable current limitation</li> </ul>		Yes
<ul> <li>inside-delta circuit</li> </ul>		No
product component motor brake output		No
insulation voltage rated value	V	600
degree of pollution		3, acc. to IEC 60947-4-2
reference code according to EN 61346-2		Q
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
<ul> <li>at 40 °C rated value</li> </ul>	Α	25
<ul> <li>at 50 °C rated value</li> </ul>	Α	23
<ul> <li>at 60 °C rated value</li> </ul>	Α	21
yielded mechanical performance for 3-phase motors		
• at 230 V		
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	5.5
● at 400 V		
<ul> <li>at standard circuit at 40 °C rated value</li> </ul>	kW	11
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	5
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10
relative positive tolerance of the operating frequency	%	10
operating voltage at standard circuit rated value	V	200 480
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10
minimum load [%]	%	20
adjustable motor current for motor overload protection minimum rated value	Α	10

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<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>number of NC contacts for auxiliary contacts</li> <li>number of NO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>number of CO contacts for auxiliary contacts</li> <li>type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables for main contacts for box terminal</li> <li>using the front clamping point</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables</li> </ul>	Connections/ Terminals		
• for auxiliary and control circuit     number of NC contacts for auxiliary contacts     number of NO contacts for auxiliary contacts     number of CO contacts for auxiliary contacts     type of connectable conductor cross-sections for     main contacts for box terminal using the front     clamping point     • solid     • finely stranded with core end processing     type of connectable conductor cross-sections at AWG     cables for main contacts for box terminal     • using the front clamping point     type of connectable conductor cross-sections for     auxiliary contacts     • solid     • finely stranded with core end processing     type of connectable conductor cross-sections at AWG     cables	type of electrical connection		
number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables	<ul> <li>for main current circuit</li> </ul>		screw-type terminals
number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point	<ul> <li>for auxiliary and control circuit</li> </ul>		screw-type terminals
number of CO contacts for auxiliary contacts  type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid • finely stranded with core end processing  type of connectable conductor cross-sections at AWG cables for main contacts for box terminal • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing  type of connectable conductor cross-sections at AWG cables  1  2x (1 2.5 mm²), 2x (2.5 6 mm²) max. 1x 10 mm²  2x (1 2.5 mm²), 2x (2.5 6 mm²)  1x 8, 2x (16 10)  2x (0.5 2.5 mm²)  2x (0.5 2.5 mm²)  2x (0.5 1.5 mm²)	number of NC contacts for auxiliary contacts		0
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables for main contacts for box terminal  • using the front clamping point	number of NO contacts for auxiliary contacts		2
main contacts for box terminal using the front clamping point  • solid  • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables for main contacts for box terminal  • using the front clamping point type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing type of connectable conductor cross-sections at AWG cables	number of CO contacts for auxiliary contacts		1
<ul> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables for main contacts for box terminal <ul> <li>using the front clamping point</li> <li>type of connectable conductor cross-sections for auxiliary contacts</li> <li>solid</li> <li>finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables</li> </ul> </li> <li>2x (1 2.5 mm²), 2x (2.5 6 mm²)</li> <li>1x 8, 2x (16 10)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 2.5 mm²)</li> <li>2x (0.5 1.5 mm²)</li> </ul>	main contacts for box terminal using the front clamping point		
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal  • using the front clamping point  type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections at AWG cables   1x 8, 2x (16 10)  2x (0.5 2.5 mm²)  2x (0.5 1.5 mm²)			
type of connectable conductor cross-sections for auxiliary contacts  • solid  • finely stranded with core end processing  type of connectable conductor cross-sections at AWG cables  2x (0.5 2.5 mm²)  2x (0.5 1.5 mm²)	type of connectable conductor cross-sections at AWG		2x (1 2.5 mm²), 2x (2.5 6 mm²)
<ul> <li>◆ solid</li> <li>◆ finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables</li> </ul> 2x (0.5 2.5 mm²) 2x (0.5 1.5 mm²)	type of connectable conductor cross-sections for		1x 8, 2x (16 10)
<ul> <li>◆ finely stranded with core end processing</li> <li>type of connectable conductor cross-sections at AWG cables</li> </ul>			2v (0.5 2.5 mm²)
type of connectable conductor cross-sections at AWG cables			
	type of connectable conductor cross-sections at AWG		2x (0.0 1.0 IIIIIF)
			2x (20 14)

<ul> <li>for auxiliary contacts finely stranded with core end processing</li> </ul>		2x (20 16)			
Ambient conditions					
installation altitude at height above sea level	m	5 000			
environmental category					
<ul> <li>during transport according to IEC 60721</li> </ul>		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)			
during storage according to IEC 60721		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4			
<ul> <li>during operation according to IEC 60721</li> </ul>		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6			
ambient temperature					
<ul> <li>during operation</li> </ul>	°C	-25 +60			
<ul> <li>during storage</li> </ul>	°C	-40 +80			
derating temperature	°C	40			
protection class IP on the front according to IEC 60529		IP20			
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front			
Certificates/ approvals					

Certificates/ approvals

**General Product Approval** 

**EMC** 





Confirmation







**Declaration of** Conformity

**Test Certificates** 

Marine / Shipping



Special Test Certific-<u>ate</u>

Type Test Certificates/Test Report







other Railway

Confirmation Confirmation

UL/CSA ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 220/230 V		
<ul> <li>at standard circuit at 50 °C rated value</li> </ul>	hp	5
• at 460/480 V		
<ul> <li>— at standard circuit at 50 °C rated value</li> </ul>	hp	15
contact rating of auxiliary contacts according to UL		B300 / R300
Further information		

## Further information

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

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=3RW4026-1BB04

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4026-1BB04

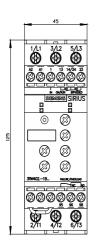
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

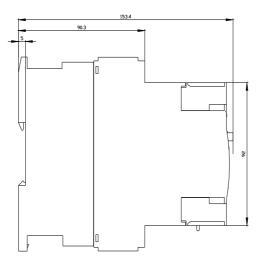
https://support.industry.siemens.com/cs/ww/en/ps/3RW4026-1BB04

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

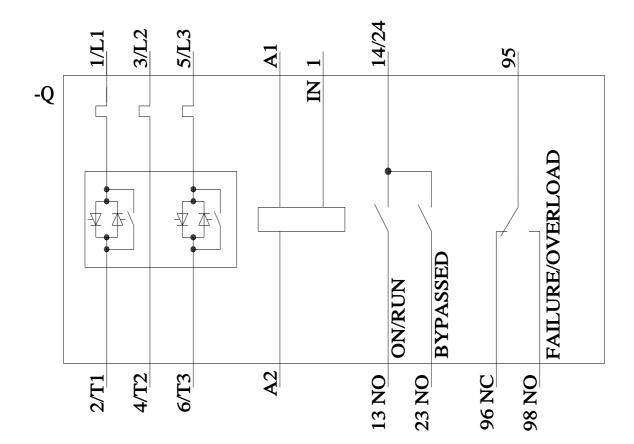
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RW4026-1BB04&lang=en

**SIEMENS KALA** 









10/28/2022 last modified: