SIEMENS

Data sheet 3RW3017-2BB14



SIRIUS soft starter S00 12.5 A, 5.5 kW/400 V, 40 °C 200-480 V AC, 110-230 V AC/DC spring-type terminals

product brand name		SIRIUS
product brand name		SIRIUS
product feature		V
integrated bypass contact system		Yes
• thyristors		Yes
product function		
intrinsic device protection		No
motor overload protection		No
 evaluation of thermistor motor protection 		No
external reset		No
adjustable current limitation		No
inside-delta circuit		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
ower Electronics		
product designation		Soft starter
operational current		
at 40 °C rated value	А	12.5
at 50 °C rated value	А	12
at 60 °C rated value	Α	11
yielded mechanical performance for 3-phase motors		
• at 230 V		
 at standard circuit at 40 °C rated value 	kW	3
● at 400 V		
 at standard circuit at 40 °C rated value 	kW	5.5
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	3
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 [%]	%	10
	%	115

operation typical Type of voltage of the control supply voltage control supply voltage frequency 1 rated value Control supply voltage frequency 2 rated value Frequency Frequency Frequency Frequency Frequency Frequency Frequency Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Frequency Control supply voltage 1 at AC at 50 Hz Control supply voltage 1 at AC at 50 Hz Frequency Frequenc	power loss [W] at operational current at 40 °C during	W	2
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type of electrical connection • for main current circuit • for auxilliary and control circuit number of NC contacts for auxiliary contacts number of NO contacts for auxiliary contacts number of CO contacts for auxiliary contacts 1 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 • solid • solid (2x (1 2.5 mm²), 2x (2.5 6 mm²) type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid • finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²) 2x (0.25 1.5 mm²)	number of poles for main current circuit		3
• for main current circuit • 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 number of CO contacts for auxiliary contacts 1 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	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 1 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 • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point 2x (1 2.5 mm²), 2x (2.5 6 mm²) type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing 1 4 mm² • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid 2x (0.25 2.5 mm²) • finely stranded with core end processing 2x (0.25 2.5 mm²)	type of electrical connection		
• 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 1 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 • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid			spring-loaded terminals
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 for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing 1 4 mm² • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid • finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²) 2x (0.25 1.5 mm²)	for auxiliary and control circuit		
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 • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid • finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 1.5 mm²)	•		
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 • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid • finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²)			1
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point • solid • solid • finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid • solid 2x (1 2.5 mm²), 2x (2.5 6 mm²) 2x (16 10) 2x (16 10) 2x (16 10)	·		
 finely stranded with core end processing type of connectable conductor cross-sections for AWG cables for main contacts for box terminal using the front clamping point type of connectable conductor cross-sections for main contacts solid finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid type of connectable conductor cross-sections for auxiliary contacts solid finely stranded with core end processing 2x (0.25 2.5 mm²) finely stranded with core end processing 2x (0.25 1.5 mm²) 	type of connectable conductor cross-sections for main		
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid	• solid		2x (1 2.5 mm²), 2x (2.5 6 mm²)
cables for main contacts for box terminal • using the front clamping point type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid	• finely stranded with core end processing		2x (1 2.5 mm²), 2x (2.5 6 mm²)
type of connectable conductor cross-sections for main contacts • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • solid			
ontacts output solid finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts output solid contacts output solid contacts output solid contacts output contacts and contacts contacts output solid contacts contacts output contacts	using the front clamping point		2x (16 10)
 finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts solid finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 1.5 mm²) 	**		
type of connectable conductor cross-sections for auxiliary contacts • solid • finely stranded with core end processing 2x (0.25 2.5 mm²) 2x (0.25 1.5 mm²)	• solid		1 4 mm²
contacts ● solid 2x (0.25 2.5 mm²) ● finely stranded with core end processing 2x (0.25 1.5 mm²)	• finely stranded with core end processing		1 2.5 mm²
• finely stranded with core end processing 2x (0.25 1.5 mm²)	• • • • • • • • • • • • • • • • • • • •		
	• solid		2x (0.25 2.5 mm²)
	 finely stranded with core end processing 		2x (0.25 1.5 mm²)
type of connectable conductor cross-sections for AWG cables			
• for main contacts 16 12	• for main contacts		16 12

for auxiliary contacts		2x (24 14)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		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
during operation according to IEC 60721		3K6 (no formation of ice, no condensation), 3C3 (no salt mist), 3S2 (sand must not get into the devices), 3M6
ambient temperature		
 during operation 	°C	-25 +60
during storage	°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
UL/CSA ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 220/230 V		
 at standard circuit at 50 °C rated value 	hp	3
• at 460/480 V		
— at standard circuit at 50 °C rated value	hp	7.5
contact rating of auxiliary contacts according to UL		B300 / R300
Approvals Certificates		

General Product Approval









Confirmation



General Product Ap-

EMV

Test Certificates

other



<u>KC</u>

Type Test Certificates/Test Report

Miscellaneous

Confirmation

Environment

Environmental Con**firmations**

Simulation Tool for Soft Starters (STS)

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

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RW3017-2BB14

Cax online generator

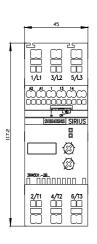
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3017-2BB14

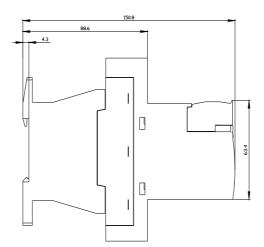
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW3017-2BB14

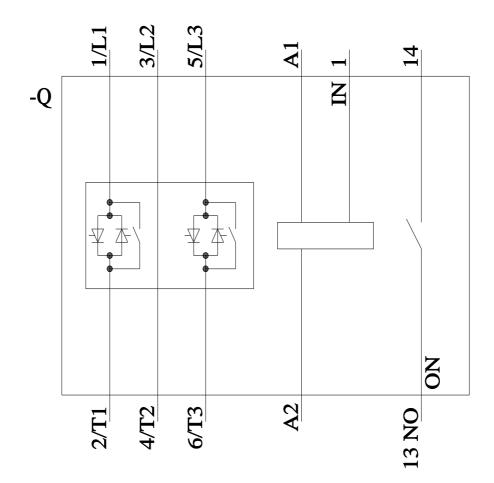
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3017-2BB14&lang=en









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