SIEMENS

Data sheet 3RW3017-1BB14



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

General technical data		
product brand name		SIRIUS
product feature		
 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
Power 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	А	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
continuous operating current [% of le] at 40 °C	%	115

operation typical Syse of voltage of the control supply voltage Control supply voltage frequency of rated value Lead to supply voltage of the control supply voltage Requency Lead to supply voltage at at AC at 50 Hz Lead to supply voltage 1 at AC at 50 Hz	power loss [W] at operational current at 40 °C during	W	2
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size of engine control device width height mm 45 height mm 95 depth fastening method mounting position required spacing with side-by-side mounting • upwards • at the side • downwards • downwards wire length maximum number of poles for main current circuit • for auxiliary and control circuit number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 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 auxiliary contacts • for auxiliary and control circuit solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • for deviating point • solid • finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts • for auxiliary contacts • for auxiliary contacts • 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 AWG cables for main contacts for box terminal • using the front clamping point 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 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 AWG cables for main contacts for box terminal • using the front clamping point 2x (1 2.5 mm²), 2x (2.5 6 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²) 4x (1 2.5 mm²), 2x (2.5 6 mm²) 2x (1 2.5 mm²), 2x (2.5 6 mm²)		%	20
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height			
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downwards	• upwards	mm	60
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number of poles for main current circuit Connections/ Terminals	• downwards	mm	40
type of electrical connection	wire length maximum	m	300
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			2x (20 16)
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	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		

Approvals Certificates

General Product Approval





Confirmation







General Product Approval

EMV

Test Certificates

other



<u>KC</u>

Type Test Certificates/Test Report

Confirmation

Miscellaneous

Environment

Environmental Confirmations

Further information

Simulation Tool for Soft Starters (STS)

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

Information on the packaging

om/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=3RW3017-1BB14

Cax online generator

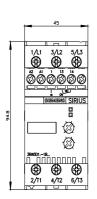
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3017-1BB14

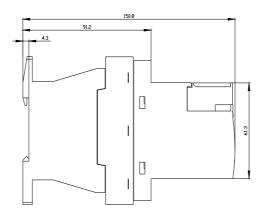
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

https://support.industry.siemens.com/cs/ww/en/ps/3RW3017-1BB14

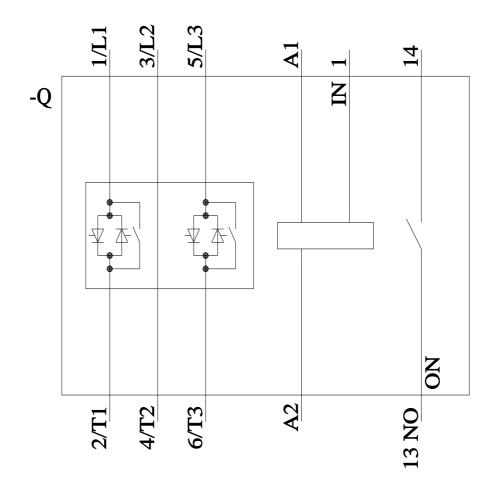
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3017-1BB14&lang=en









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3/11/2024