SIEMENS

Data sheet 3RW4055-2BB34



SIRIUS soft starter S6 117 A, 75 hp/460 V, 50 °C 200-460 V AC, 115 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5. Preferred successor type is >>3RW5055-2AB14<<

General technical data		
product brand name		SIRIUS
product feature		
 integrated bypass contact system 		Yes
thyristors		Yes
product function		
 intrinsic device protection 		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		No
 external reset 		Yes
 adjustable current limitation 		Yes
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 acc. to DIN EN 61346-2		Q
reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		G
Power Electronics		
product designation		Soft starter
operational current		
 at 40 °C rated value 	А	134
 at 50 °C rated value 	Α	117
at 60 °C rated value	А	100
yielded mechanical performance for 3-phase motors ● at 230 V		
 at standard circuit at 40 °C rated value 	kW	37 000
● at 400 V		
 at standard circuit at 40 °C rated value 	kW	75 000
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	30
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	200 460
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 continuous operating current [% of le] at 40 °C % 115 power loss [W] at operational current at 40 °C during operation typical Control circuit/ Control type of voltage of the control supply voltage
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▼ uprruiu3
• at the side mm 5
• downwards mm 75
wire length maximum m 300
number of poles for main current circuit 3
Connections/ Terminals
type of electrical connection
for main current circuit busbar connection
• for auxiliary and control circuit spring-loaded terminals
number of NC contacts for auxiliary contacts 0
number of NO contacts for auxiliary contacts 2
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point
• finely stranded with core end processing 16 70 mm²
• finely stranded without core end processing 16 70 mm²
• stranded 16 70 mm²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point
• finely stranded with core end processing 16 70 mm²
 finely stranded without core end processing stranded 16 70 mm² 16 70 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points

 finely stranded with core end processing 		max. 1x 50 mm², 1x 70 mm²
 finely stranded without core end processing 		max. 1x 50 mm², 1x 70 mm²
stranded		max. 2x 70 mm²
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		
 using the back clamping point 		6 2/0
 using the front clamping point 		6 2/0
using both clamping points		max. 2x 1/0
type of connectable conductor cross-sections for DIN cable lug for main contacts		
 finely stranded 		2x (16 95 mm²)
stranded		2x (25 120 mm²)
type of connectable conductor cross-sections for auxiliary contacts		
• solid		2x (0.25 1.5 mm²)
 finely stranded with core end processing 		2x (0.25 1.5 mm²)
type of connectable conductor cross-sections at AWG cables		
 for main contacts 		4 250 kcmil
 for auxiliary contacts 		2x (24 16)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport acc. to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
• during storage acc. to IEC 60721		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during operation acc. 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 acc. to IEC 60529		IP00; IP20 with cover
touch protection on the front acc. to IEC 60529		finger-safe, for vertical contact from the front with cover
Certificates/ approvals		

General Product Approval

EMC

For use in hazardous locations













Declaration of Conformity

Test Certificates

Marine / Shipping

other



Special Test Certificate

Lloyd's Register



Confirmation

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	40
• at 460/480 V		
 at standard circuit at 50 °C rated value 	hp	75
contact rating of auxiliary contacts according to UL		B300 / R300
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=3RW4055-2BB34

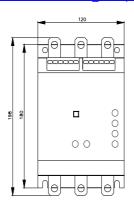
Cax online generator

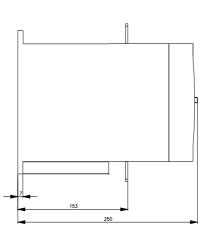
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4055-2BB34

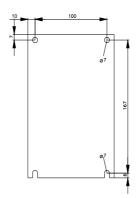
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

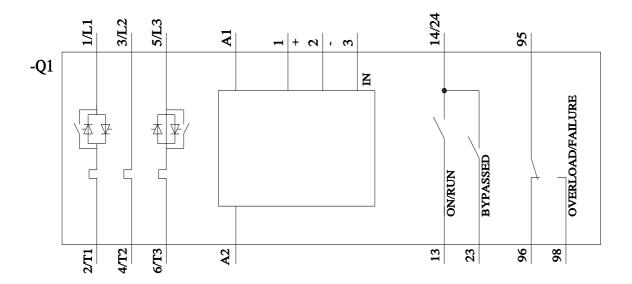
https://support.industry.siemens.com/cs/ww/en/ps/3RW4055-2BB34

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4055-2BB34&lang=en









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