SIEMENS

Data sheet 3RW3036-1BB14



SIRIUS soft starter S2 45 A, 22 kW/400 V, 40 $^{\circ}\text{C}$ 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 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 	Α	45
 at 50 °C rated value 	Α	42
at 60 °C rated value	Α	39
yielded mechanical performance for 3-phase motors		
• at 230 V		
 — at standard circuit at 40 °C rated value 	W	11 000
• at 400 V		
 — at standard circuit at 40 °C rated value 	W	22 000
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	hp	10
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

standard circuit	_	
minimum load [%]	%	10
continuous operating current [% of le] at 40 °C	- %	115
power loss [W] at operational current at 40 °C during operation typical	W	6
Control circuit/ Control		
type of voltage of the control supply voltage		AC/DC
control supply voltage frequency 1 rated value	Hz	50
control supply voltage frequency 2 rated value	Hz	60
relative negative tolerance of the control supply voltage frequency	%	-10
relative positive tolerance of the control supply voltage frequency	%	10
control supply voltage 1 at AC at 50 Hz	V	110 230
control supply voltage 1 at AC at 60 Hz	V	110 230
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-10
relative positive tolerance of the control supply voltage at AC at 50 Hz	%	10
relative negative tolerance of the control supply voltage at AC at 60 Hz	%	-10
relative positive tolerance of the control supply voltage at AC at 60 Hz	%	10
control supply voltage 1 at DC	V	110 230
relative negative tolerance of the control supply voltage at DC	%	-10
relative positive tolerance of the control supply voltage at DC	%	10
display version for fault signal		red
Mechanical data		
size of engine control device	_	S2
width	mm	55
height	mm	160
depth	mm	170
fastening method	_	screw and snap-on mounting
mounting position		With vertical mounting surface +/-10° rotatable, with vertical mounting surface +/- 10° tiltable to the front and back
required spacing with side-by-side mounting		
• upwards	mm	60
at the side	mm	30
• downwards	mm	40
wire length maximum	m	300
number of poles for main current circuit		3
Connections/ Terminals		
type of electrical connection		
 for main current circuit 		screw-type terminals
for auxiliary and control circuit		screw-type terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts	_	1
number of CO contacts for auxiliary contacts	_	0
type of connectable conductor cross-sections for main contacts for box terminal using the front clamping point		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		1.5 25 mm²
stranded		1.5 35 mm²
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		
		2x (1.5 16 mm²)
solidfinely stranded with core end processing		2x (1.5 16 mm²) 1.5 25 mm²

type of connectable conductor cross-sections for main contacts for box terminal using both clamping points solid finely stranded with core end processing stranded type of connectable conductor cross-sections at AWG cables for main contacts for box terminal using the back clamping point using the back clamping point using the front clamping point using both clamping point using both clamping point using both clamping point using to connectable conductor cross-sections for auxiliary contacts solid finely stranded with core end processing type of connectable conductor cross-sections at AWG cables for auxiliary contacts finely stranded with core end processing Exc. (25 15 mm²) 2x (1.5 16 mm²) 2x (0.5 2.5	stranded		1.5 35 mm²		
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derating temperature °C 40 protection class IP on the front acc. to IEC 60529 IP20	during operation	°C	-25 +60		
protection class IP on the front acc. to IEC 60529 IP20	during storage	°C	-40 +80		
Procedure in the month and the last state of the	ng temperature	°C	40		
touch protection on the front acc. to IEC 60529 finger-safe, for vertical contact from the fro	ction class IP on the front acc. to IEC 60529		IP20		
•	protection on the front acc. to IEC 60529		finger-safe, for	vertical contact from the	ne front
Certificates/ approvals	ates/ approvals				
General Product Approval	ral Product Approval			EMC	Declaration of Conformity













Test Certificates		other		Railway	
Special Test Certificate	Type Test Certificates/Test Report	Miscellaneous	Confirmation	Vibration and Shock	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	15
• at 460/480 V		
 at standard circuit at 50 °C rated value 	hp	30
contact rating of auxiliary contacts according to UL		B300 / R300

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)

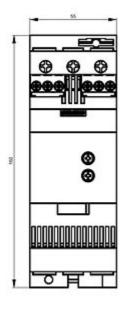
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW3036-1BB14

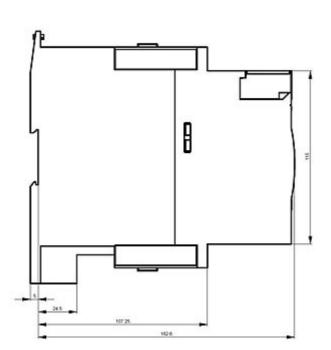
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3036-1BB14

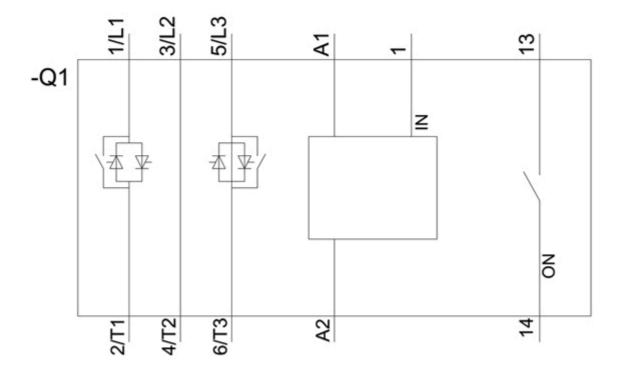
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW3036-1BB14









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