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	А	45
 at 50 °C rated value 	А	42
at 60 °C rated value	А	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
relative positive tolerance of the operating voltage at standard circuit	%	10
minimum load [%]	%	10

continuous operating current [% of le] at 40 °C	%	115		
power loss [W] at operational current at 40 °C during	- % W	6		
operation typical				
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		00		
size of engine control device	_	S2		
width	mm	55 160		
height 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 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 mm ²		
• stranded		1.5 35 mm²		
type of connectable conductor cross-sections for main contacts for box terminal using the back 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 both clamping points				

• SOUG			0x (1 E 10)	22 22		
• solid			2x (1.5 16 mm²) 2x (1.5 16 mm²)			
 finely stranded with core end processing 	g			2x (1.5 16 mm²) 2x (1.5 25 mm²)		
• stranded			2x (1.5 25 i	nm²)		
type of connectable conductor cross-section cables for main contacts for box terminal	ons at AWG					
using the back clamping point			16 2			
			18 2			
using the front clamping point			2x (16 2)			
using both clamping points			ZX (10 Z)			
type of connectable conductor cross-section auxiliary contacts	ons for					
• solid			2x (0.5 2.5	· ·		
 finely stranded with core end processing 			2x (0.5 1.5 mm²)			
type of connectable conductor cross-section cables	ons at AWG					
 for auxiliary contacts 			2x (20 14)			
 for auxiliary contacts finely stranded with processing 	h core end		2x (20 16)			
Ambient conditions						
installation altitude at height above sea lev	vel	m	5 000			
environmental category						
 during transport acc. to IEC 60721 			2K2, 2C1, 2S	1, 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			
<u> </u>	60529	0				
protection class IP on the front acc. to IEC		0	IP20	r vertical contact from th	ne front	
protection class IP on the front acc. to IEC touch protection on the front acc. to IEC 60		0	IP20	r vertical contact from th	ne front	
protection class IP on the front acc. to IEC touch protection on the front acc. to IEC 60 Certificates/ approvals			IP20		ne front Declaration of	
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contact rating of auxiliary contacts according to UL

B300 / R300

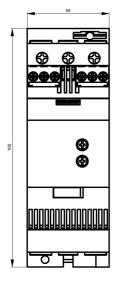
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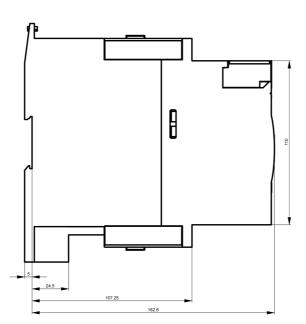
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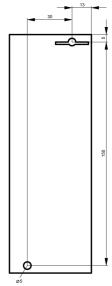
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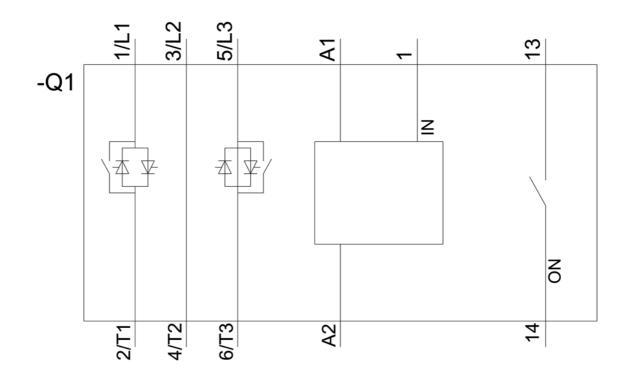
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