SIEMENS

Data sheet

3RW3036-1BB04



SIRIUS soft starter S2 45 A, 22 kW/400 V, 40 $^\circ\text{C}$ 200-480 V AC, 24 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	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	kW	11
• at 400 V		
— at standard circuit at 40 °C rated value	kW	22
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	٧V	0
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 rated value	V	24
• at 60 Hz rated value	V	24
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 rated value	V	24
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		
• 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		
• solid		2x (1.5 16 mm²)
 finely stranded with core end processing 		2x (1.5 16 mm²)
stranded		2x (1.5 25 mm²)
type of connectable conductor cross-sections for AWG cables for main contacts for box terminal		

- using the healt of	amping point			10 0		
 using the back classing the frant classing the frant classing. 				16 2		
 using the front classical states are stated and states are state				18 2		
using both clamp				2x (16 2)		
contacts	onductor cross-sections fo	r auxiliary				
solid				2x (0.5 2.5 m	ım²)	
	ith core end processing			2x (0.5 2.5 mm ²)		
· · · · · · · · · · · · · · · · · · ·	onductor cross-sections fo	r AWG		2x (0.0 1.0 1	, , , , , , , , , , , , , , , , , , ,	
cables		ANG				
 for auxiliary containing 				2x (20 14)		
 for auxiliary conta processing 	acts finely stranded with core	end		2x (20 16)		
Ambient conditions						
installation altitude at	height above sea level		m	5 000		
environmental catego	ry					
 during transport a 	according to IEC 60721			2K2, 2C1, 2S1,	2M2 (max. fall height 0.3	m)
 during storage ac 	ccording 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 th	e front according to IEC 60)529		finger-safe, for	vertical contact from the fr	ont
UL/CSA ratings	-			-		
vielded mechanical pe	erformance [hp] for 3-phase	AC motor				
• at 220/230 V						
— at standard	circuit at 50 °C rated value		hp	15		
• at 460/480 V						
	circuit at 50 °C rated value		hp	30		
	contact rating of auxiliary contacts according to UL		ΠP	B300 / R300		
Approvals Certificates	any contacts according to	02	_	8000710000		
General Product Appr	roval					
	I IK	~ ~	C	onfirmation		(C)
QP	20	CE))	(NL)
CSA	CH	EG-Konf.			ccc	UL
General Product Ap- proval	EMV		Test	Certificates		other
	^	KC		e Test Certific-	Special Test Certific-	Confirmation
FAL			ate	s/Test Report	ate	
	RCM					
	-					
other	Railway		Envir	onment		
Miscellaneous	Special Test Certific-	Confirmation				
	ate			firmations		

 Further information

 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

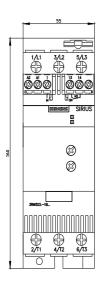
Industry Mall (Online ordering system)

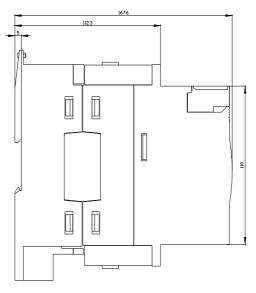
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RW3036-1BB04 Cax online generator

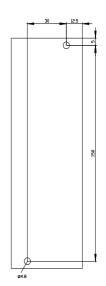
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW3036-1BB04

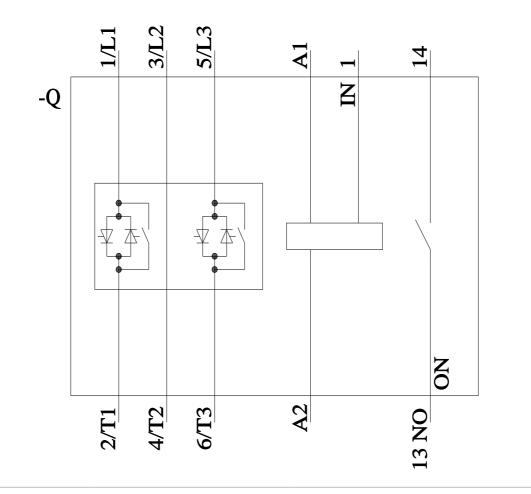
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW3036-1BB04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW3036-1BB04&lang=en









last modified:

3/11/2024 🖸