SIEMENS

Data sheet

3RW4036-1TB04



SIRIUS soft starter S2 45 A, 22 kW/400 V, 40 °C 200-480 V AC, 24 V AC/DC Screw terminals Thermistor motor protection

Figure similar

General technical data		
General technical data product brand name		SIRIUS
•		SIRIUS
product feature		Yes
 integrated bypass contact system thyristore 		Yes
• thyristors		res
product function		N/
intrinsic device protection		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		Yes
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 according to EN 61346-2		Q
reference code according to DIN 40719 extended		G
according to IEC 204-2 according to IEC 750		
Power Electronics		
product designation		Soft starter
operational current		
 at 40 °C rated value 	A	45
 at 50 °C rated value 	A	42
 at 60 °C rated value 	A	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	hp	10
motor at 200/208 V at standard circuit at 50 °C rated		
value		
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 [%]	%	20
adjustable motor current for motor overload	А	23

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	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 rated value	V	24
• at 60 Hz rated value	V	24
relative negative tolerance of the control supply voltage at AC at 50 Hz	%	-15
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	%	-15
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	%	-20
relative positive tolerance of the control supply voltage at DC	%	20
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 mounting position		screw and snap-on mounting With additional fan: With vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back Without additional fan: With vertical mounting surface +/-10° rotatable, with vertical mounting
		surface +/- 10° t
required spacing with side-by-side mounting		20
 upwards at the side 	mm mm	60 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		2
number of CO contacts for auxiliary contacts type of connectable conductor cross-sections for main contacts for box terminal using the front		1
clamping point		$2x (1.5 - 16 \text{ mm}^2)$
 solid finely stranded with core end processing 		2x (1.5 16 mm²) 0.75 25 mm²
stranded with core end processing stranded		0.75 25 mm ²
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 stranded 		1.5 25 mm² 1.5 35 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping		

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points			0		
 solid finally strandad with some and processing 			2x (1.5 16 m		
 finely stranded with core end processir stranded 	ıg		2x (1.5 16 m		
	tions at AWG		2x (1.5 25 m	III-)	
type of connectable conductor cross-sect cables for main contacts for box terminal	lions at Awg				
 using the back clamping point 			16 2		
 using the front clamping point 			18 2		
 using both clamping points 			2x (16 2)		
type of connectable conductor cross-sect	tions for				
auxiliary contacts					
• solid			2x (0.5 2.5 m	nm²)	
 finely stranded with core end processir 	ng		2x (0.5 1.5 m	nm²)	
type of connectable conductor cross-sect	tions at AWG				
cables					
 for auxiliary contacts 			2x (20 14)		
 for auxiliary contacts finely stranded with the stran	ith core end		2x (20 16)		
processing					
Ambient conditions					
installation altitude at height above sea le	vel	m	5 000		
environmental category					
 during transport according to IEC 6072 	21		2K2, 2C1, 2S1,	, 2M2 (max. fall heigh	t 0.3 m)
 during storage according to IEC 60721 				sional condensation)	
				t not get inside the de	
 during operation according to IEC 6072 	21		`	ion of ice, no condense	
ambient temperature			mist), 552 (San	d must not get into th	ie devices), sivio
ambient temperature		°C	-25 +60		
during operation		°C	-40 +80		
during storage		ງ ວ°	-40 +80 40		
derating temperature		C	40 IP20		
protection class IP on the front according 60529	IO IEC		IP20		
touch protection on the front according to	DIEC 60529		finger-safe, for	vertical contact from	the front
Certificates/ approvals			0 1		
General Product Approval					EMC
Concrar i roddol Approval					LING
Confirmation			(Ų) JI	EAC	RCM
Test Certificates	Marine / Shippi	ing			other
<u>Type Test Certific-</u> <u>Special Test Certific-</u> ates/Test Report <u>ate</u>	Lloyds		(3)	And and a state of the state of	Confirmation
	us		PRS	DNV-GL DMULCOMM	
Railway					
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		

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contact rating of auxiliary contacts according to UL

B300 / R300

30

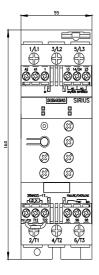
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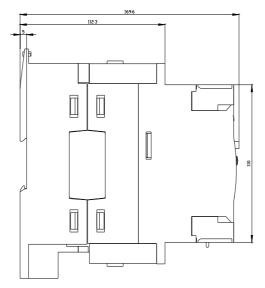
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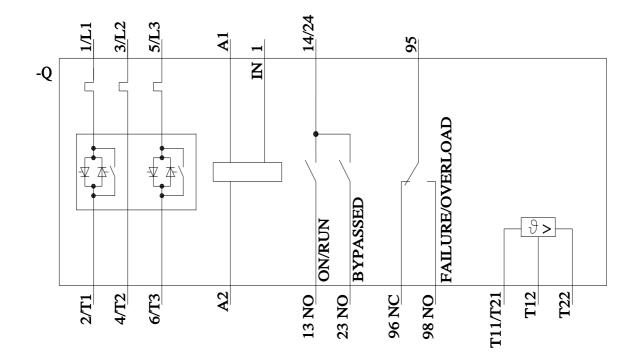
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