SIEMENS

Data sheet

3RW4455-6BC36



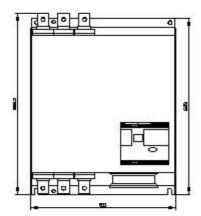
SIRIUS soft starter Values at 575 V, 50 °C standard: 615 A, 700 hp Inside-delta: 1065 A, 1200 hp 400-690 V AC, 115 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5553-6HA16<<

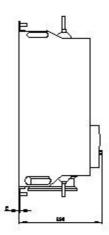
product brand name		SIRIUS
product feature		
integrated bypass contact system		Yes
thyristors		Yes
product function		
intrinsic device protection		Yes
motor overload protection		Yes
evaluation of thermistor motor protection		Yes
external reset		Yes
adjustable current limitation		Yes
inside-delta circuit		Yes
product component motor brake output		Yes
insulation voltage rated value	V	690
degree of pollution	v	3, acc. to IEC 60947-4-2
reference code acc. to DIN EN 61346-2		Q
reference code acc. to DIN 40719 extended according		G
to IEC 204-2 acc. to IEC 750		6
Power Electronics		
product designation		Soft starter
operational current		
• at 40 °C rated value	А	693
 at 50 °C rated value 	А	615
• at 60 °C rated value	А	551
operational current for 3-phase motors at inside-delta circuit		
• at 40 °C rated value	А	1 200
• at 50 °C rated value	А	1 065
• at 60 °C rated value	А	954
yielded mechanical performance for 3-phase motors		
• at 400 V		
— at standard circuit at 40 °C rated value	W	400 000
— at inside-delta circuit at 40 °C rated value	W	710 000
• at 500 V		
— at standard circuit at 40 °C rated value	W	500 000
— at inside-delta circuit at 40 °C rated value	W	800 000
 at 690 V at standard circuit at 40 °C rated value 	W	710 000

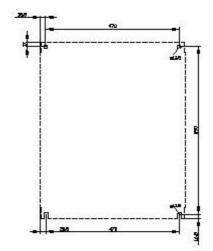
	-	40
relative negative tolerance of the operating frequency	- %	-10
relative positive tolerance of the operating frequency	%	10
operating voltage at standard circuit rated value	V	400 690
relative negative tolerance of the operating voltage at standard circuit	%	-15
relative positive tolerance of the operating voltage at standard circuit	%	10
operating voltage at inside-delta circuit rated value	V	400 600
relative negative tolerance of the operating voltage at inside-delta circuit	%	-15
relative positive tolerance of the operating voltage at inside-delta circuit	%	10
minimum load [%]	%	8
adjustable motor current for motor overload protection minimum rated value	А	138
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during	W	220
operation typical		
Control circuit/ Control		
type of voltage of the control supply voltage		AC
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	%	-10
voltage frequency	_	
relative positive tolerance of the control supply voltage frequency	%	10
control supply voltage 1 at AC		
 at 50 Hz rated value 	V	115
• at 60 Hz rated value	V	115
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
display version for fault signal		Display
Mechanical data		
width	mm	510
height	mm	640
depth	mm	290
fastening method		screw fixing
mounting position		with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
required spacing with side-by-side mounting		
• upwards	mm	100
• at the side	mm	5
downwards	mm	75
wire length maximum	m	500
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 		screw-type terminals
number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts		3
number of CO contacts for auxiliary contacts		1
type of connectable conductor cross-sections for DIN cable lug for main contacts		
finely stranded		50 240 mm²

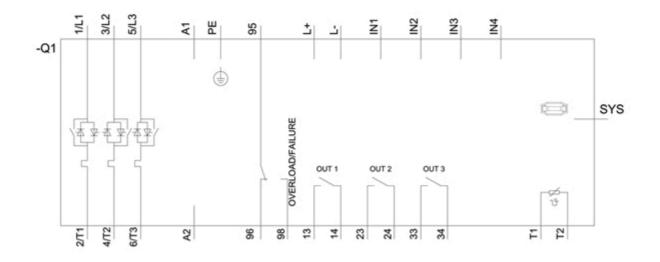
			2	
stranded		70 240 mm		
type of connectable conductor cross-sections for				
auxiliary contacts		0 (0 5 0 5	2)	
• solid		2x (0.5 2.5	,	
finely stranded with core end processing		2x (0.5 1.5	mm²)	
type of connectable conductor cross-sections at AWG cables				
		2/0 500 kor	mil	
for main contacts		2/0 500 kcr	1111	
• for auxiliary contacts		2x (20 14)		
 for auxiliary contacts finely stranded with core end processing 		2x (20 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 occ	asional condensation)	, 1C2 (no salt mist),
		1S2 (sand mu	ist not get inside the d	evices), 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	60		
during storage	°C	-25 +80		
derating temperature	°C	40		
protection class IP on the front acc. to IEC 60529	•	IP00		
Certificates/ approvals				
	_			Declaration of
General Product Approval			EMC	Declaration of Conformity
		EAC		EG-Konf.
		EAC		CE
Image: Section of the section of th		EAC	Cinic RCM other	CE
Image: Special Test Certific- Image: Marine / Shipping		EAC	RCM	CE
		ERC	CCM	CE
Special Test Certific-		ERC	CCM	CE
Special Test Certific-		ERC Hoves Register LIIS	CCM	CE
Special Test Certific-		ERC Lloyds Register	CCM	CE
Special Test Certific-		ERC Lloyds Lus	CCM	CE
Special Test Certific- ate		ERC Llovets Register Lits	CCM	CE
Special Test Certific- ate		EAC Loves Lus	CCM	CE
Special Test Certific- ate		EAC Register LRS	CCM	CE
Special Test Certific- ate	hp	ERC Lis	CCM	CE
Special Test Certific- ate Image: Certific- ate JL/CSA ratings yielded mechanical performance [hp] for 3-phase AC motor • at 460/480 V — at standard circuit at 50 °C rated value	hp		CCM	CE
Special Test Certific- ate Image: Certific- ate JL/CSA ratings yielded mechanical performance [hp] for 3-phase AC motor • at 460/480 V — at standard circuit at 50 °C rated value — at inside-delta circuit at 50 °C rated value	hp	EAC LINS	CCM	CE
Special Test Certific- ate Image: Certific- ison in the second secon	hp	950	CCM	CE
Special Test Certific- ate Image: Certific- ison in the second secon	hp hp	950 700	CCM	CE
Special Test Certific- ate Image: Certific- ate Special Test Certific- ate Image: Certific- ate Image: Certific- ate Image: Ceri ate Image:	hp	950 700 1 200	CCM	CE
Special Test Certific- ate Image: Certific- ate Special Test Certific- ate Image: Certific- ate Image: Certific- ate Image: Ceri ate Image:	hp hp	950 700	CCM	CE
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Special Test Certific- ate Image: Constant of the system of the syst	hp hp hp	950 700 1 200	CCM	CE
Special Test Certific- ate Image: Special Test Certific- ate Special Test Certific- ate Image: Special Test Certific- special Test Certific- special Test Certific- special Test Certific- ate UL/CSA ratings yielded mechanical performance [hp] for 3-phase AC motor • at 460/480 V - at standard circuit at 50 °C rated value - at standard circuit at 50 °C rated value • at 575/600 V - at standard circuit at 50 °C rated value - at inside-delta circuit at 50 °C rated value - at inside-delta circuit at 50 °C rated value - at inside-delta circuit at 50 °C rated value - at inside-delta circuit at 50 °C rated value - at inside-delta circuit at 50 °C rated value Simulation Tool for Soft Starters (STS) https://support.industry.siemens.com/cs/ww/en/view/10149491	hp hp hp	950 700 1 200	CCM	CE
Special Test Certific- ate Image:	hp hp hp	950 700 1 200	CCM	CE
Special Test Certific- ate Special Test Certe Special Te	hp hp hp	950 700 1 200	CCM	CE
Special Test Certific- ate Image:	hp hp hp .)	950 700 1 200 B300 / R300	CCM	CE
Special Test Certific- ate Special Test Certe Special Te	hp hp hp .)	950 700 1 200 B300 / R300	CCM	CE

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RW4455-6BC36 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4455-6BC36&lang=en









last modified:

1/18/2021 🖸