SIEMENS

Data sheet

3RW4455-6BC35



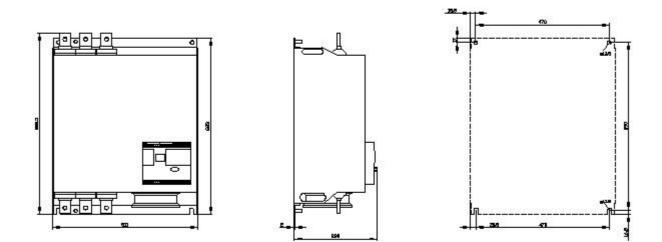
SIRIUS soft starter Values at 575 V, 50 °C standard: 615 A, 700 hp Inside-delta: 1065 A, 1200 hp 400-600 V AC, 115 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5553-6HA16<<

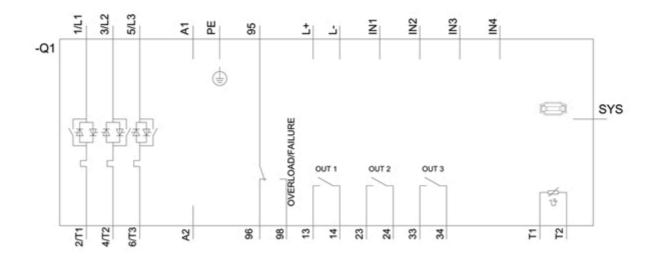
General technical data		
product brand name		SIRIUS
product feature		
 integrated bypass contact system 		Yes
thyristors		Yes
product function		
 intrinsic device protection 		Yes
 motor overload protection 		Yes
 evaluation of thermistor motor protection 		Yes
 external reset 		Yes
 adjustable current limitation 		Yes
inside-delta circuit		Yes
product component motor brake output		Yes
insulation voltage rated value	V	690
degree of pollution		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	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
	W	710 000
 at inside-delta circuit at 40 °C rated value at 500 V 		
• at 500 V	\\/	500.000
 at 500 V — at standard circuit at 40 °C rated value 	W	500 000 800 000
• at 500 V	W W Hz	500 000 800 000 50 60

relative positive tolerance of the operating frequency	%	10
operating voltage at standard circuit rated value	V	400 600
relative negative tolerance of the operating voltage atstandard 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 operation typical	W	220
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 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	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
stranded		70 240 mm²

type of connectable conductor cross-sections for auxiliary contacts					
• solid		2x (0.5 2.5	mm²)		
 finely stranded with core end processing 		2x (0.5 1.5			
type of connectable conductor cross-sections at AWG cables	-		,		
for main contacts		2/0 500 kcn	nil		
 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), 1C2 (no salt mist),	
• during operation acc. to IEC 60721		3K6 (no forma	ist not get inside the oution of ice, no conde nd must not get into	nsation), 3C3 (no salt	
ambient temperature	_	1113(), 552 (58	na mast not get into		
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					
General Product Approval			EMC	Declaration of Conformity	
			-		
SP (C)		FAL	Ò	CE	
)	EHC	RCM	CE EG-Konf.	
)	EHC	RCM	CE EG-Konf.	
Test Certificates Marine / Shipping)	EAC	RCM other	CE EG-Konf.	
	•	EAC	other Confirmation	CE EG-Konf.	
Test Certificates Marine / Shipping		Llovds		CE EG-Konf.	
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Image: Special Test Certificates Marine / Shipping Special Test Certificates Image: Special Test Certificates ate Image: Special Test Certificates UL/CSA ratings Image: Special Test Certificates yielded mechanical performance [hp] for 3-phase AC		Lloyds Register		EG-Konf.	
Image: Window Constraints Image: Window Constraints Test Certificates Marine / Shipping Special Test Certificates Image: Window Constraints Special Test Certificates Image: Window Constraints Special Test Certificates Image: Window Constraints Special Test Certificates Image: Window Certificates Image: Window Constraints Image: Window Center Constraints Vielded mechanical performance [hp] for 3-phase AC motor Image: Window Center Cente	hp	LINS		EG-Konf.	
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Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Viscous Vis	hp	LINS		<u>EG-Konf.</u>	
Image: Constraint of the standard circuit at 50 °C rated value • at 575/600 V • at standard circuit at 50 °C rated value • at standard circuit at 50 °C rated value • at standard circuit at 50 °C rated value	hp	LUS 500 950 700		<u>EG-Konf.</u>	
Image: Window Control of	hp	LUS 500 950 700 1 200		<u>EG-Konf.</u>	
Image: Constraint of the second se	hp hp hp	LUS 500 950 700 1 200		<u>EG-Konf.</u>	
Image: Constraint of the second se	hp hp 	LUS 500 950 700 1 200		<u>EG-Konf.</u>	
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Image: Normal System Image: Normal System Image: Normal System Test Certificates Marine / Shipping Special Test Certificates Image: Normal System Simulation Tool for Soft Starters (STS) Information- and Downloadcenter (Catalogs, Brochures, https://www.siemens.com/ic10 Industry Mall (Online ordering system) Industry Mall (Online ordering system)) hp hp hp <u>917</u> ,)	LUS 500 950 700 1 200 B300 / R300 4455-6BC35	Confirmation	EG-Konf.	
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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4455-6BC35&lang=en





last modified:

1/18/2021 🖸