SIEMENS

Data sheet 3RW4465-6BC35



SIRIUS soft starter Values at 575 V, 50 °C standard: 970 A, 1100 hp Inside-delta: 1680 A, 1900 hp 400-600 V AC, 115 V AC Screw terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5558-6HA16<<

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 	Α	1 076
 at 50 °C rated value 	Α	970
at 60 °C rated value	A	880
operational current for 3-phase motors at inside-delta circuit		
 at 40 °C rated value 	Α	1 864
 at 50 °C rated value 	Α	1 680
at 60 °C rated value	Α	1 524
yielded mechanical performance for 3-phase motors		
● at 400 V		
 at standard circuit at 40 °C rated value 	W	630 000
 — at inside-delta circuit at 40 °C rated value 	W	1 100 000
• at 500 V		
 — at standard circuit at 40 °C rated value 	W	800 000
— at inside-delta circuit at 40 °C rated value	W	1 350 000
operating frequency rated value	Hz	50 60
relative negative tolerance of the operating frequency	%	-10

operating voltage at standard circuit rated value relative negative tolerance of the operating voltage at standard circuit relative positive tolerance of the operating voltage at standard circuit operating voltage at inside-delta circuit rated value relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative positive tolerance of the operating voltage at inside-delta circuit relative operating current for motor overload protection minimum rated value continuous operating current [% of lej at 40 °C % 115 opower loss [W] at operational current at 40 °C during operation typical Control cargity of the control supply voltage control supply voltage of the control supply voltage control supply voltage frequency 1 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • at			
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type of voltage of the control supply voltage control supply voltage frequency 1 rated value control supply voltage frequency 2 rated value relative negative tolerance of the control supply voltage frequency relative positive tolerance of the control supply voltage frequency control supply voltage 1 at AC • at 50 Hz rated value • at 60 Hz rated value • at 60 Hz rated value voltage at AC at 50 Hz relative negative tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 50 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative negative folerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the control supply voltage at AC at 60 Hz relative positive tolerance of the co		W	510
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Mechanical data width mm 575 height mm 780 depth mm 292 fastening method screw fixing mounting position with vertical mounting surface +/-90° rotatable, 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 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 busbar connection		%	10
width mm 575 height mm 780 depth mm 292 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	display version for fault signal		Display
height mm 780 depth mm 292 fastening method screw fixing 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 • at the side • downwards wire length maximum number of poles for main current circuit type of electrical connection • for main current circuit busbar connection	Mechanical data		,
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fastening method 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 • at the side • downwards mm 5 • downwards mm 5 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	height	mm	780
mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-92.5° tiltable to the front and back required spacing with side-by-side mounting upwards the side mm 5 downwards mm 75 wire length maximum number of poles for main current circuit type of electrical connection for main current circuit busbar connection	depth	mm	292
vertical mounting surface +/- 22.5° tiltable to the front and back required spacing with side-by-side mounting • upwards • at the side • downwards • 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			ū
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● 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		mm	100
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	at the side	mm	5
number of poles for main current circuit Connections/ Terminals type of electrical connection • for main current circuit busbar connection	• downwards	mm	75
Connections/ Terminals type of electrical connection • for main current circuit busbar connection	wire length maximum	m	500
type of electrical connection • for main current circuit busbar connection	number of poles for main current circuit		3
• for main current circuit busbar connection	Connections/ Terminals		
	type of electrical connection		
for auxiliary and control circuit screw-type terminals	 for main current circuit 		busbar connection
To administry and control circuit	for auxiliary and control circuit		screw-type terminals
number of NC contacts for auxiliary contacts 0	number of NC contacts for auxiliary contacts		0
number of NO contacts for auxiliary contacts 3	number of NO contacts for auxiliary contacts		3
number of CO contacts for auxiliary contacts 1	number of CO contacts for auxiliary contacts		1
type of connectable conductor cross-sections for DIN cable lug for main contacts	cable lug for main contacts		
• finely stranded 50 240 mm²	 finely stranded 		50 240 mm²
• stranded 70 240 mm²			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 mm²)
type of connectable conductor cross-sections at AWG cables		
 for main contacts 		2/0 500 kcmil
 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 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	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













Test Certificates

Marine / Shipping

Special Test Certificate











other

Confirmation

yielded mechanical performance [hp] for 3-phase AC motor		
• at 460/480 V		
 at standard circuit at 50 °C rated value 	hp	850
 at inside-delta circuit at 50 °C rated value 	hp	1 500
• at 575/600 V		
 at standard circuit at 50 °C rated value 	hp	1 100
 at inside-delta circuit at 50 °C rated value 	hp	1 900
contact rating of auxiliary contacts according to UL		B300 / R300

Simulation Tool for Soft Starters (STS)

https://support.industry.siemens.com/cs/ww/en/view/101494917

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=3RW4465-6BC35

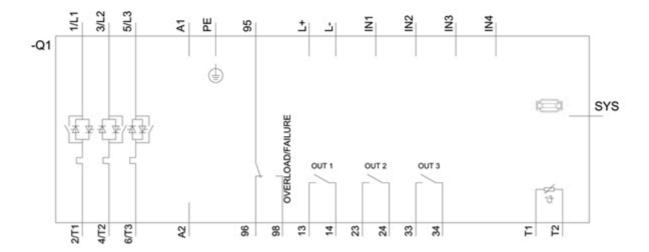
Cax online generator

 $\underline{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RW4465-6BC35}$

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RW4465-6BC35

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4465-6BC35&lang=en



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