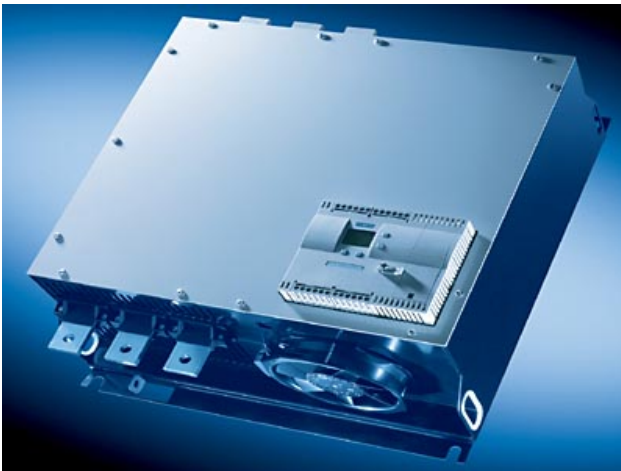


SIEMENS

Product data sheet

3RW4453-6BC44


SIRIUS SOFT STARTER, VALUES AT 400V,
40DEG., STANDARD: 551A, 315KW,
INSIDE-DELTA CIRCUIT 3: 954A, 560KW,
200-460V AC, 230V AC, SCREW TERMINALS

Power Electronics:

Product designation	soft starters for high feature applications
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Operating current

• at 40 °C / rated value	551 A
• at 50 °C / rated value	494 A
• at 60 °C / rated value	438 A
• for three-phase servomotors / at 3-phase root switching	
• at 40 °C / rated value	954 A
• at 50 °C / rated value	856 A
• at 60 °C / rated value	759 A

Emitted mechanical power / for three-phase servomotors

• at 230 V / at standard switching / at 40 °C	
• rated value	160000 W
• at 400 V / at standard switching / at 40 °C	
• rated value	315000 W
• at 230 V / at 3-phase root switching / at 40 °C	
• rated value	315000 W
• at 400 V / at 3-phase root switching / at 40 °C	

<ul style="list-style-type: none"> • rated value 	560000 W
<p>Yielded mechanical performance (hp) / for three-phase servomotors</p> <ul style="list-style-type: none"> • at 200 V / at standard switching <ul style="list-style-type: none"> • at 50 °C / rated value • at 230 V / at standard switching <ul style="list-style-type: none"> • at 50 °C / rated value • at 460 V / at standard switching <ul style="list-style-type: none"> • at 50 °C / rated value • at 200 V / at 3-phase root switching / at 50 °C <ul style="list-style-type: none"> • rated value • at 230 V / at 3-phase root switching / at 50 °C <ul style="list-style-type: none"> • rated value • at 460 V / at 3-phase root switching / at 50 °C <ul style="list-style-type: none"> • rated value 	<p>150 hp</p> <p>200 hp</p> <p>400 hp</p> <p>300 hp</p> <p>350 hp</p> <p>750 hp</p>
<p>Operating voltage</p> <ul style="list-style-type: none"> • rated value <ul style="list-style-type: none"> • minimum • maximum • at 3-phase root switching / rated value <ul style="list-style-type: none"> • minimum • maximum 	<p>200 V</p> <p>460 V</p> <p>200 V</p> <p>460 V</p>
<p>Operating frequency</p> <ul style="list-style-type: none"> • rated value <ul style="list-style-type: none"> • minimum • maximum 	<p>50 Hz</p> <p>60 Hz</p>
Control electronics:	
<p>Control supply voltage</p> <ul style="list-style-type: none"> • at 50 Hz / for AC / rated value <ul style="list-style-type: none"> • minimum • maximum • at 60 Hz / for AC / rated value <ul style="list-style-type: none"> • minimum • maximum 	<p>230 V</p> <p>230 V</p> <p>230 V</p> <p>230 V</p>

Supply voltage frequency / for auxiliary and control current circuit / rated value	
• minimum	50 Hz
• maximum	60 Hz
Type of voltage	AC
Mechanical design:	
Width	510 mm
Height	638.5 mm
Depth	290 mm
Number of poles	3
Type of fixing/fixation	screw fixing
Electrical connections:	
Design of the electrical connection	
• for main current circuit	busbar connection
• for auxiliary and control current circuit	screw-type terminals
Number of NC contacts	0
Number of NO contacts	3
Number of change-over switches	1
Ambient conditions:	
Ambient temperature	0 °C
Ambient temperature	60 °C
Protection class IP	IP00
General details:	
Equipment identification	Q
Equipment identification	G
last change:	10/31/2006

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