SIEMENS



Data sheet 3RW4444-2BC44



SIRIUS soft starter Values at 400 V, 40 °C standard: 250 A, 132 kW Inside-delta: 433 A, 250 kW 200-460 V AC, 230 V AC spring-type terminals !!! Phased-out product !!! Successor is SIRIUS 3RW5, Preferred successor type is >>3RW5544-2HA14<<

product feature integrated bypass contact system Yes product function integrated bypass contact system integrated bypass contact system Yes yes yes adjustable current limitation Yes inside-delta circuit Yes Yes Yes Yes Yes Yes Yes Ye	General technical data	General technical data			
integrated bypass contact system thyristors product function intrinsic device protection motor overload protection evaluation of thermistor motor protection external reset adjustable current limitation inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to EN 61346-2 reference code according to EN 61346-2 greference code according to IBN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current at 40 °C rated value at 60 °C rated	product brand name		SIRIUS		
• thyristors product function • intrinsic device protection • motor overload protection • evaluation of thermistor motor protection • external reset • adjustable current limitation • inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to EN 61346-2 reference code according to IDN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at	product feature				
product function intrinsic device protection motor overload protection evaluation of thermistor motor protection external reset adjustable current limitation inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current at 40 °C rated value at 60 °C rated value at 50 °C rated value but 50 °C rated value at 50 °C rated value but 50 °C rat	 integrated bypass contact system 		Yes		
intrinsic device protection motor overload protection evaluation of thermistor motor protection external reset adjustable current limitation finside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value by 60 60	• thyristors		Yes		
motor overload protection evaluation of thermistor motor protection external reset adjustable current limitation inside-delta circuit yes product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to EN 61346-2 reference code according to IBN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 60 °C rated value • at 320 yielded mechanical performance for 3-phase motors • at 230 V — at standard circuit at 40 °C rated value • at 400 V — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at inside-delta circuit at 40 °C rated value vielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated volumental performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	product function				
evaluation of thermistor motor protection external reset edjustable current limitation inside-delta circuit yes product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current eat 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value at 50 °C rated value at 60 °C rated value at 320 V	 intrinsic device protection 		Yes		
external reset e adjustable current limitation e inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current eat 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at 50 °C rated value at 60 °C rated value at 8230 V — at standard circuit at 40 °C rated value at 400 V — at standard circuit at 40 °C rated value at 400 V — at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value wielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circuit at 50 °C rated work at 200/208 V at standard circu	 motor overload protection 		Yes		
adjustable current limitation inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current at 40 °C rated value at 50 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value be at 60 °C rated value at 60 °C rated value be at 400 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value be at 400 V at standard circuit at 40 °C rated value be at inside-delta circuit at 40 °C rated value be at inside-delta circuit at 40 °C rated value be vielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value be vielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value be vielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value be vielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	 evaluation of thermistor motor protection 		Yes		
• inside-delta circuit product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value • at at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated product component motor by 690 yellow for incident at 50 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated product component motor incident at 50 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated product component incidence incident at 50 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated product component incidence incident at 50 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated value	external reset		Yes		
product component motor brake output insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value – at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	adjustable current limitation		Yes		
insulation voltage rated value degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 320 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	inside-delta circuit		Yes		
degree of pollution reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at 320 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated product is included include at 50 °C rated value hy ielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hy ielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated A 250	product component motor brake output		Yes		
reference code according to EN 61346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at 50 °C rated value • at 60 °C rated value • at 320 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circuit at 50 °C rated policities of the following standard circui	insulation voltage rated value	V	690		
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 Power Electronics product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 230 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at value	degree of pollution		3, acc. to IEC 60947-4-2		
product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 40 °C rated value • at 40 °C rated value • at 60 °C rated value • at 50 °C rated value • at 40 °C rated value • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 230 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	reference code according to EN 61346-2		Q		
product designation operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value • at 230 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated A 250 A 215 A 433 A 372 A 320 yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		G		
operational current • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value A 185 operational current for 3-phase motors at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value • at 60 °C rated value A 372 • at 60 °C rated value A 320 yielded mechanical performance for 3-phase motors • at 230 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	Power Electronics				
 at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at 40 °C rated value at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value at 230 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at 400 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value bt 132 at 32 at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value bt 132 at inside-delta circuit at 40 °C rated value bt 132 ct 132 dt 133 dt 133<td>product designation</td><td></td><td>Soft starter</td>	product designation		Soft starter		
at 50 °C rated value at 60 °C rated value A 185 operational current for 3-phase motors at inside-delta circuit at 40 °C rated value at 50 °C rated value A 372 at 60 °C rated value A 320 yielded mechanical performance for 3-phase motors at 230 V at standard circuit at 40 °C rated value A 320 yielded mechanical performance for 3-phase motors at 230 V at standard circuit at 40 °C rated value at 400 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	operational current				
at 60 °C rated value operational current for 3-phase motors at inside-delta circuit at 40 °C rated value at 50 °C rated value at 60 °C rated value at 60 °C rated value at 60 °C rated value A 372 at 60 °C rated value A 320 yielded mechanical performance for 3-phase motors at 230 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at 400 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value www 132 at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	 at 40 °C rated value 	Α	250		
operational current for 3-phase motors at inside-delta circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value A 320 yielded mechanical performance for 3-phase motors • at 230 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	 at 50 °C rated value 	Α	215		
circuit • at 40 °C rated value • at 50 °C rated value • at 60 °C rated value • at 60 °C rated value A 320 yielded mechanical performance for 3-phase motors • at 230 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated hp 60	 at 60 °C rated value 	А	185		
 at 50 °C rated value at 60 °C rated value at 60 °C rated value yielded mechanical performance for 3-phase motors at 230 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at 400 V at standard circuit at 40 °C rated value at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value by ielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated 					
at 60 °C rated value yielded mechanical performance for 3-phase motors at 230 V at 230 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value at 400 V at standard circuit at 40 °C rated value at inside-delta circuit at 40 °C rated value which is a standard circuit at 40 °C rated value which is a stand	 at 40 °C rated value 	Α	433		
yielded mechanical performance for 3-phase motors • at 230 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated	• at 50 °C rated value	А	372		
 at 230 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value	 at 60 °C rated value 	Α	320		
— at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value by ielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated kW 132 kW 250 hp 60	·				
— at inside-delta circuit at 40 °C rated value • at 400 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value kW 132 — at inside-delta circuit at 40 °C rated value kW 250 yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated		kW	75		
 at 400 V — at standard circuit at 40 °C rated value — at inside-delta circuit at 40 °C rated value kW 250 yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated 					
— at inside-delta circuit at 40 °C rated value kW 250 yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V at standard circuit at 50 °C rated 60					
yielded mechanical performance [hp] for 3-phase AC hp 60 motor at 200/208 V at standard circuit at 50 °C rated	 at standard circuit at 40 °C rated value 	kW	132		
motor at 200/208 V at standard circuit at 50 °C rated	— at inside-delta circuit at 40 °C rated value	kW	250		
	motor at 200/208 V at standard circuit at 50 °C rated	hp	60		
operating frequency rated value Hz 50 60	operating frequency rated value	Hz	50 60		

relative negative tolerance of the operating frequency	- %	-10
relative positive tolerance of the operating frequency	- %	10 dientudong
operating voltage at standard circuit rated value	V	
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	200 460
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	Α	50
continuous operating current [% of le] at 40 °C	%	115
power loss [W] at operational current at 40 °C during operation typical	W	110
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	230
at 60 Hz rated value	V	230
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	210
height	mm	230
depth	mm	298
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		spring-loaded 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 main contacts for box terminal using the front clamping point		
finely stranded with core end processing		70 240 mm²

 finely stranded without core end processing 		70 ²
• stranded) dientudong
type of connectable conductor cross-sections for main contacts for box terminal using the back clamping point		unontailong
 finely stranded with core end processing 		120 185 mm²
 finely stranded without core end processing 		120 185 mm²
stranded		120 240 mm²
type of connectable conductor cross-sections for main contacts for box terminal using both clamping points		
 finely stranded with core end processing 		min. 2x 50 mm², max. 2x 185 mm²
 finely stranded without core end processing 		min. 2x 50 mm², max. 2x 185 mm²
• stranded		max. 2x 70 mm², max. 2x 240 mm²
type of connectable conductor cross-sections at AWG cables for main contacts for box terminal		
 using the back clamping point 		250 500 kcmil
 using the front clamping point 		3/0 600 kcmil
using both clamping points		min. 2x 2/0, max. 2x 500 kcmil
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 (0.25 1.5 mm²)
finely stranded with core end processing		2x (0.25 1.5 mm²)
type of connectable conductor cross-sections at AWG cables		
 for main contacts 		2/0 500 kcmil
 for auxiliary contacts 		2x (24 16)
Ambient conditions		
installation altitude at height above sea level	m	5 000
environmental category		
 during transport according to IEC 60721 		2K2, 2C1, 2S1, 2M2 (max. fall height 0.3 m)
 during storage according to IEC 60721 		1K6 (only occasional condensation), 1C2 (no salt mist), 1S2 (sand must not get inside the devices), 1M4
 during operation according 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 according to IEC 60529		IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529		finger-safe, for vertical contact from the front with box terminal/cover
Certificates/ approvals		

Certificates/ approvals

General Product Approval

EMC



Confirmation









Declaration of Conformity

Test Certificates

Marine / Shipping



Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping

other





Confirmation

UL/CSA ratings		
yielded mechanical performance [hp] for 3-phase AC motor		
• at 200/208 V		
 at inside-delta circuit at 50 °C rated value 	hp	125
• at 220/230 V		
 at standard circuit at 50 °C rated value 	hp	75
 at inside-delta circuit at 50 °C rated value 	hp	150
• at 460/480 V		
 — at standard circuit at 50 °C rated value 	hp	150
 at inside-delta circuit at 50 °C rated value 	hp	300
contact rating of auxiliary contacts according to UL		B300 / R300
Fth if ti		

Further information

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=3RW4444-2BC44

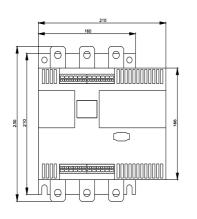
Cax online generator

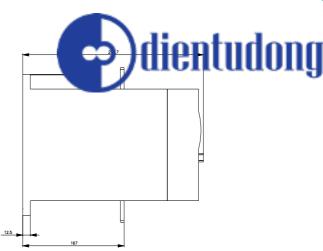
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RW4444-2BC44

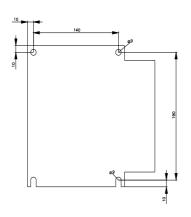
 ${\bf Service \& Support~(Manuals,~Certificates,~Characteristics,~FAQs,...)}$

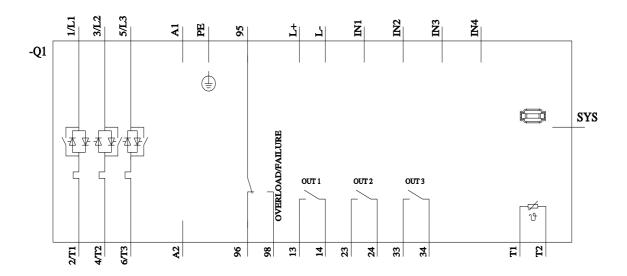
https://support.industry.siemens.com/cs/ww/en/ps/3RW4444-2BC44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RW4444-2BC44&lang=en









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