SIEMENS

Data sheet 3RT1065-6AP36



Figure similar

CONTACTOR, 132KW/400V/AC-3 AC(50...60HZ)/DC OPERATION UC 220-240V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS CONVENT. OPERATING MECHANISM SCREW TERMINAL

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1

General technical data	
Size of contactor	S10
Product extension	
 function module for communication 	No
Auxiliary switch	Yes
Insulation voltage	
• rated value	1 000 V
Degree of pollution	3
Surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 	690 V
60947-1	
Protection class IP	
• on the front	IP00

• of the terminal	IP00
Shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
Shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
Mechanical service life (switching cycles)	
of contactor typical	10 000 000
 of the contactor with added electronics- compatible auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
Ambient conditions	
Ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
Main circuit	
Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Operating voltage	
 at AC-3 rated value maximum 	1 000 V
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	330 A
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	330 A
 up to 690 V at ambient temperature 60 °C rated value 	300 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	150 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	150 A
• at AC-2 at 400 V rated value	265 A
• at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
Connectable conductor cross-section in main circuit	
at AC-1	

• at 40 °C minimum permissible Operating current for approx. 200000 operating cycles at AC-4 • at 40 °O * rated value • at 690 V rated value • at 690 V rated value • at 10 current path at DC-1 — at 24 V rated value — at 210 V rated value — at 220 V rated value — at 200 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 24 V rated value — at 10 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 400 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 400 V rated value — at 400 V rated value — at 600 V rated value — at 24 V rated value — at 440 V rated value — at 4	• at 60 °C minimum permissible	185 mm²
Operating current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 105 A Operating current • at 1 current path at DC-1 — at 24 V rated value 33 A — at 220 V rated value 33.8 A — at 220 V rated value 0.9 A — at 600 V rated value 0.6 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 110 V rated value 4A — at 600 V rated value 2A • with 3 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 220 V rated value 5.2 A Operating current • at 1 current paths at DC-3 at DC-5 — at 24 V rated value 0.18 A — at 400 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 25 V rated value 300 A — at 26 V rated value 300 A — at 27 V rated value 300 A — at 28 V rated value 300 A — at 29 V rated value 300 A — at 200 V rated value 300 A — at 200 V rated value 300 A — at 300 V rated value 300 A — at 440 V rated value 300 A — at 500 V rated value 300 A — at 600 V rated valu		185 mm²
• at 400 V rated value 105 A Operating current • at 1 current path at DC-1 — at 24 V rated value 300 A — at 110 V rated value 33 A — at 220 V rated value 0.9 A — at 440 V rated value 0.6 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A • with 3 current paths in series at DC-1 — at 440 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 4A — at 600 V rated value 2A • with 3 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 40 V rated value 300 A — at 40 V rated value 300 A — at 40 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 0.6 A — at 440 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.68 A — at 110 V rated value 0.68 A — at 110 V rated value 0.68 A — at 440 V rated value 0.68 A — at 600 V rated value 0.68 A — a		
• at 590 V rated value 105 A Operating current • at 1 current path at DC-1 — at 24 V rated value 330 A — at 110 V rated value 33.8 A — at 440 V rated value 0.8 A • with 2 current paths in series at DC-1 — at 220 V rated value 300 A — at 110 V rated value 300 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 4A — at 600 V rated value 2A • with 3 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 300 A — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 300 A — at 400 V rated value 300 A — at 400 V rated value 300 A — at 400 V rated value 300 A — at 220 V rated value 300 A — at 600 V rated value 300 A — at 600 V rated value 300 A — at 24 V rated value 300 A — at 27 V rated value 300 A — at 28 V rated value 300 A — at 27 V rated value 300 A — at 440 V rated value 9.18 A — at 600 V rated value 9.18 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 9.15 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 9.0 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 9.0 A • with 3 current paths in series at DC-3 at DC-5 — at 440 V rated value 9.0 A • with 3 current paths in series at DC-3 at DC-5	cycles at AC-4	
Operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 120 V rated value — at 220 V rated value — at 440 V rated value — at 4600 V rated value — at 600 V rated value — at 600 V rated value — at 22 V rated value — at 124 V rated value — at 120 V rated value — at 120 V rated value — at 24 V rated value — at 250 V rated value — at 2600 V rated value — at 27 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 29 V rated value — at 21 V rated value — at 21 V rated value — at 24 V rated value — at 25 V rated value — at 26 00 V rated value — at 27 V rated value — at 28 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rat	• at 400 V rated value	117 A
• at 1 current path at DC-1 — at 24 V rated value 300 A — at 110 V rated value 33.A — at 220 V rated value 0.9 A — at 600 V rated value 0.8 A • with 2 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 4A — at 440 V rated value 2A — with 3 current paths in series at DC-1 — at 24 V rated value 4A — at 600 V rated value 2A • with 3 current paths in series at DC-1 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 52 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 33 A — at 220 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 200 V rated value 300 A — at 200 V rated value 300 A — at 200 V rated value 300 A — at 440 V rated value 300 A — at 200 V rated value 300 A — at 440 V rated value 300 A	• at 690 V rated value	105 A
- at 24 V rated value 33 A - at 110 V rated value 33 A - at 220 V rated value 3.8 A - at 440 V rated value 0.9 A - at 600 V rated value 0.6 A • with 2 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 600 V rated value 2A - with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 2A - with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A Operating current - at 1 current path at DC-3 at DC-5 - at 24 V rated value 30 A - at 220 V rated value 30 A - at 110 V rated value 30 A - at 110 V rated value 30 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A	Operating current	
- at 110 V rated value 3.8 A - at 220 V rated value 0.9 A - at 600 V rated value 0.6 A • with 2 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A	at 1 current path at DC-1	
- at 220 V rated value	— at 24 V rated value	300 A
at 440 V rated value	— at 110 V rated value	33 A
at 600 V rated value	— at 220 V rated value	3.8 A
with 2 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	0.9 A
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 120 V rated value 300 A - at 110 V rated value 300 A - at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A	— at 600 V rated value	0.6 A
- at 110 V rated value 300 A - at 220 V rated value 4A - at 440 V rated value 2A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 3A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 24 V rated value 300 A - at 440 V rated value 300 A - at 24 V rated value 300 A - at 250 V rated value 2.5 A - at 440 V rated value 300 A - at 2600 V rated value 300 A - at 270 V rated value 300 A - at 280 V rated value 300 A - at 3600 V rated value 300 A	 with 2 current paths in series at DC-1 	
- at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 420 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 30 A - at 220 V rated value 30 A - at 220 V rated value 30 A - at 220 V rated value 30 A - at 24 V rated value 30 A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A - at 220 V rated value 300 A - at 320 V rated value 300 A	— at 24 V rated value	300 A
	— at 110 V rated value	300 A
 at 600 V rated value with 3 current paths in series at DC-1 at 24 V rated value 300 A at 110 V rated value 300 A at 220 V rated value at 600 V rated value at 600 V rated value at 11 A at 600 V rated value 5.2 A Operating current at 1 current path at DC-3 at DC-5 at 24 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 20 V rated value at 24 V rated value at 20 V rated value at 440 V rated value at 440 V rated value at 5 A at 440 V rated value at 5 A at 440 V rated value at 5 A at 5 A at 600 V rated value at 500 V rated value 	— at 220 V rated value	300 A
with 3 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	4 A
at 24 V rated value 300 A at 110 V rated value 300 A at 220 V rated value 111 A at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 at 24 V rated value 300 A at 110 V rated value 3A at 220 V rated value 0.6 A at 440 V rated value 0.18 A at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A at 110 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A at 110 V rated value 300 A at 110 V rated value 300 A at 110 V rated value 300 A at 220 V rated value 2.5 A at 440 V rated value 0.65 A at 600 V rated value 0.65 A at 600 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5	— at 600 V rated value	2 A
 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 20 V rated value — at 20 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value • with 3 current paths in series at DC-3 at DC-5 	 with 3 current paths in series at DC-1 	
- at 220 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 3A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 110 V rated value 2.5 A - at 440 V rated value 2.5 A - at 440 V rated value 0.65 A - at 600 V rated value 0.65 A - at 600 V rated value 0.37 A	— at 24 V rated value	300 A
— at 440 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 2.5 A — at 440 V rated value 300 A — at 600 V rated value 30.65 A — at 600 V rated value 0.65 A — at 600 V rated value 0.37 A	— at 110 V rated value	300 A
- at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 2.5 A - at 440 V rated value 0.65 A - at 600 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5	— at 220 V rated value	300 A
Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.65 A — at 600 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5	— at 440 V rated value	11 A
 at 1 current path at DC-3 at DC-5 at 24 V rated value at 110 V rated value 3 A at 220 V rated value 0.6 A at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 240 V rated value at 240 V rated value at 200 V rated value at 200 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 5 A with 3 current paths in series at DC-3 at DC-5 	— at 600 V rated value	5.2 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 440 V rated value at 600 V rated value 0.65 A at 600 V rated value 0.37 A with 3 current paths in series at DC-3 at DC-5 	Operating current	
 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	• at 1 current path at DC-3 at DC-5	
 — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 24 V rated value	300 A
 — at 440 V rated value — at 600 V rated value ● with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value ● with 3 current paths in series at DC-3 at DC-5 	— at 110 V rated value	3 A
 — at 600 V rated value ● with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value ● with 3 current paths in series at DC-3 at DC-5 	— at 220 V rated value	0.6 A
 with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 440 V rated value	0.18 A
 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 600 V rated value	0.125 A
 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value ● with 3 current paths in series at DC-3 at DC-5 	• with 2 current paths in series at DC-3 at DC-5	
 — at 220 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 24 V rated value	300 A
 — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 	— at 110 V rated value	300 A
— at 600 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5	— at 220 V rated value	2.5 A
• with 3 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.65 A
	— at 600 V rated value	0.37 A
— at 24 V rated value 300 A	• with 3 current paths in series at DC-3 at DC-5	
	— at 24 V rated value	300 A
— at 110 V rated value 300 A	— at 110 V rated value	300 A

— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
Operating power	
● at AC-1	
— at 230 V at 60 °C rated value	113 kW
— at 400 V rated value	197 kW
— at 400 V at 60 °C rated value	197 kW
— at 690 V rated value	340 kW
— at 690 V at 60 °C rated value	340 kW
— at 1000 V at 60 °C rated value	246 kW
• at AC-2 at 400 V rated value	132 kW
● at AC-3	
— at 230 V rated value	85 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	66 kW
• at 690 V rated value	102 kW
Thermal short-time current limited to 10 s	2 400 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	18 W
No-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
Operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC	
● at 50 Hz rated value	220 240 V
• at 60 Hz rated value	220 240 V
Control supply voltage at DC	
• rated value	220 240 V
Operating range factor control supply voltage rated	
value of magnet coil at DC	

● initial value	0.8
Full-scale value	1.1
Operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
Design of the surge suppressor	with varistor
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	590 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.9
Apparent holding power of magnet coil at AC	
● at 50 Hz	6.7 V·A
Inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.9
Closing power of magnet coil at DC	650 W
Holding power of magnet coil at DC	7.4 W
Closing delay	
• at AC	30 95 ms
• at DC	30 95 ms
Opening delay	
• at AC	40 80 ms
• at DC	40 80 ms
Arcing time	10 15 ms
Control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
Number of NC contacts	
for auxiliary contacts	
instantaneous contact	2
Number of NO contacts	
for auxiliary contacts	
instantaneous contact	2
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V rated value	6 A
● at 400 V rated value	3 A
● at 500 V rated value	2 A
• at 690 V rated value	1 A
Operating current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at to vialed value	

• at 60 V rated value	6 A
• at 110 V rated value	3 A
• at 125 V rated value	2 A
• at 220 V rated value	1 A
• at 600 V rated value	0.15 A
Operating current at DC-13	
• at 24 V rated value	10 A
• at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
• at 600 V rated value	0.1 A
Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)

UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	240 A
• at 600 V rated value	242 A
Yielded mechanical performance [hp]	
 for three-phase AC motor 	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 hp
Contact rating of auxiliary contacts according to UL	A600 / Q600

\circ			
Short-	CIRCLUIT	nrote	otion
OHUL-	CIICUIL	טוטנכי	ノロロロ

Design	of	the	fuse	link
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required

for short-circuit protection of the main circuit
 — with type of coordination 1 required
 — with type of assignment 2 required
 fuse gG: 500 A
 fuse gG: 400 A
 fuse gG: 10 A

Installation/ mounting/ dimensions		
Mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface	
Mounting type	screw fixing	
 Side-by-side mounting 	Yes	
Height	210 mm	
Width	145 mm	
Depth	202 mm	

Required spacing	
• for grounded parts	
— at the side	10 mm
Connections/Terminals	
Type of electrical connection	
• for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	screw-type terminals
Type of connectable conductor cross-sections	
 at AWG conductors for main contacts 	2/0 500 kcmil
Type of connectable conductor cross-sections	
 for auxiliary contacts 	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
 single or multi-stranded 	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
 at AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12
Safety related data	
Product function	
 Mirror contact acc. to IEC 60947-4-1 	Yes
• positively driven operation acc. to IEC 60947-5-	No

finger-safe when touched vertically from front acc. to IEC 60529

Certificates/approvals

Protection against electrical shock

General Product Approval

Functional Safety/Safety of Machinery Declaration of Conformity









Type Examination
Certificate



Test Certificates

Marine / Shipping

Special Test Certificate Type Test
Certificates/Test
Report

Miscellaneous







Marine /	
Shipping	

other



Environmental Confirmations

Confirmation

Miscellaneous

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1065-6AP36

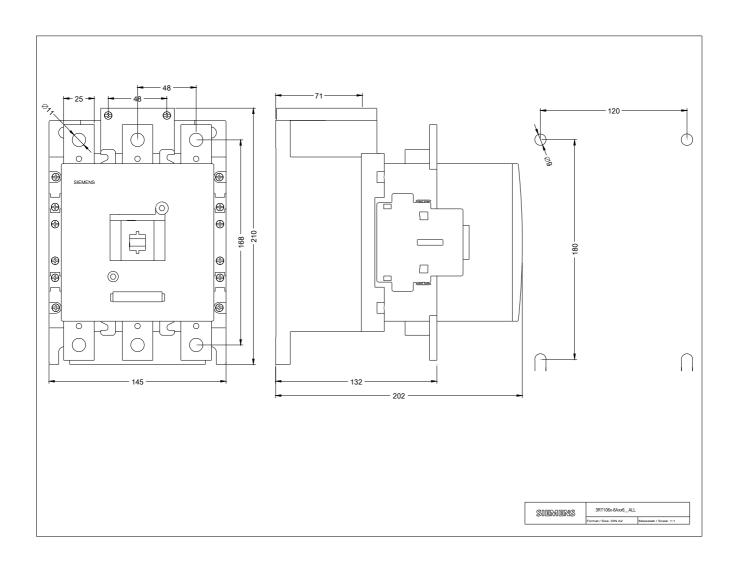
Cax online generator

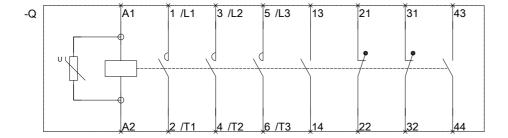
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6AP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6AP36&lang=en





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last modified: 08/04/2017