SIEMENS

Data sheet 3RT1055-6AF36

SCREW TERMINAL

CONTACTOR, 75KW/400V/AC-3, AC(50...60HZ)/DC OPERATION UC 110...127V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 BAR CONNECTIONS CONVENTIONAL OPERATING MECHAN.



Figure similar

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

General technical data	
Size of contactor	S6
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	185 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	185 A
— up to 690 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	160 A
— up to 1000 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	90 A
— up to 1000 V at ambient temperature 60 $^{\circ}\text{C}$ rated value	90 A
• at AC-2 at 400 V rated value	150 A
• at AC-3	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
Connectable conductor cross-section in main circuit	
at AC-1	

● at 40 °C minimum permissible 96 mm² Operating current for approx. 200000 operating cycles at AC-4 68 A ● at 400 V rated value 57 A Operating current 68 A ● at 10 urrent path at DC-1	• at 60 °C minimum permissible	70 mm²
yoles at AC-4	·	95 mm²
• at 400 V rated value 57 A Operating current • at 1 current path at DC-1 — at 24 V rated value 18 A — at 110 V rated value 18 A — at 400 V rated value 18 A — at 440 V rated value 0.8 A — at 440 V rated value 0.5 A • with 2 current paths in series at DC-1 — at 24 V rated value 160 A — at 110 V rated value 160 A — at 110 V rated value 160 A — at 110 V rated value 160 A — at 210 V rated value 160 A — at 220 V rated value 160 A — at 110 V rated value 160 A — at 120 V rated value 160 A — at 220 V rated value 150 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 2.5 A — at 440 V rated value 0.6 A — at 110 V rated value 0.17 A — at 600 V rated value 0.17 A — at 600 V rated value 160 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.17 A — at 600 V rated value 160 A — at 110 V rated value 0.17 A — at 600 V rated value 0.17 A — at 600 V rated value 160 A — at 110 V rated value 0.17 A — at 600 V rated value 160 A — at 220 V rated value 160 A — at 220 V rated value 160 A — at 24 V rated value 0.17 A — at 600 V rated value 160 A — at 24 V rated value 160 A — at 24 V rated value 160 A — at 24 V rated value 160 A — at 25 A — at 24 V rated value 160 A — at 200 V rated value 160 A	Operating current for approx. 200000 operating	
	cycles at AC-4	
Operating current ■ at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 1220 V rated value — at 220 V rated value — at 240 v rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 210 V rated value — at 220 V rated value — at 220 V rated value — at 400 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated valu	• at 400 V rated value	68 A
at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 4600 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 120 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value — at 440 V rated value — at 400 V rated value — at 400 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 400 V rated value — at 110 V rated value — at 22 V rated value — at 22 V rated value — at 22 V rated value — at 24 V rated value — at 100 V rated value — at 24 V rated value — at 24 V rated value — at 25 A — at 24 V rated value — at 25 A — at 24 V rated value — at 440 V rated value — at 24 V rated value — at 25 A — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 440 V rated value — at 20 V rated value — at 440 V rated value — at 660 V rated value — at 440 V rate	• at 690 V rated value	57 A
- at 24 V rated value 160 A - at 110 V rated value 18 A - at 220 V rated value 3.4 A - at 440 V rated value 0.8 A - at 600 V rated value 0.5 A • with 2 current paths in series at DC-1 - at 24 V rated value 160 A - at 110 V rated value 20 A - at 440 V rated value 160 A - at 220 V rated value 20 A - at 440 V rated value 3.2 A - at 600 V rated value 1.6 A • with 3 current paths in series at DC-1 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 120 V rated value 17.5 A - at 240 V rated value 17.5 A - at 440 V rated value 17.5 A - at 240 V rated value 17.5 A - at 240 V rated value 17.5 A - at 240 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 120 V rated value 160 A - at 120 V rated value 160 A - at 110 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 420 V rated value 160 A - at 440 V rated value 160 A - at 170 V rated value 160 A - at 270 V rated value 160 A	Operating current	
- at 110 V rated value	• at 1 current path at DC-1	
- at 220 V rated value	— at 24 V rated value	160 A
- at 440 V rated value 0.8 A - at 600 V rated value 0.5 A ● with 2 current paths in series at DC-1 - at 24 V rated value 160 A - at 110 V rated value 20 A - at 220 V rated value 3.2 A - at 600 V rated value 3.2 A - at 600 V rated value 1.6 A ● with 3 current paths in series at DC-1 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 160 A - at 220 V rated value 160 A - at 440 V rated value 11.5 A - at 600 V rated value 4 A Operating current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 600 V rated value 0.6 A - at 440 V rated value 0.17 A - at 600 V rated value 0.17 A - at 600 V rated value 0.12 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 0.17 A - at 600 V rated value 0.17 A - at 600 V rated value 160 A - at 440 V rated value 0.15 A - at 220 V rated value 0.16 A - at 440 V rated value 0.17 A - at 600 V rated value 0.18 A - at 440 V rated value 160 A - at 440 V rated value 0.19 A - at 440 V rated val	— at 110 V rated value	18 A
 → at 600 V rated value ♦ with 2 current paths in series at DC-1 — 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 — at 600 V rated value — at 724 V rated value — at 24 V rated value — at 24 V rated value — 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 — at 600 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 25 A — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 24 V rated value — at 25 A — at 26 OV rated value — at 27 V rated value — at 28 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 25 A — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 440 V rated value — at 600 V rated value — at 24 V rated value — at 600 V rated value — at 24 V rated value —	— at 220 V rated value	3.4 A
with 2 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	0.8 A
- at 24 V rated value 160 A - at 110 V rated value 20 A - at 220 V rated value 3.2 A - at 440 V rated value 1.6 A • with 3 current paths in series at DC-1 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 11.5 A - at 600 V rated value 11.5 A - at 600 V rated value 11.5 A - at 600 V rated value 11.5 A - at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 220 V rated value 0.17 A - at 600 V rated value 0.17 A - at 600 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 440 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 220 V rated value 160 A - at 440 V rated value 160 A - at 220 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 160 A - at 240 V rated value 160 A - at 240 V rated value 160 A - at 240 V rated value 160 A	— at 600 V rated value	0.5 A
- at 110 V rated value	with 2 current paths in series at DC-1	
	— at 24 V rated value	160 A
at 440 V rated value 3.2 A at 600 V rated value 1.6 A • with 3 current paths in series at DC-1 at 24 V rated value 160 A at 110 V rated value 160 A at 220 V rated value 11.5 A at 600 V rated value 4 A Operating current • at 1 current path at DC-3 at DC-5 at 24 V rated value 2.5 A at 220 V rated value 0.6 A at 440 V rated value 10.7 A at 600 V rated value 10.7 A at 600 V rated value 10.1 A at 600 V rated value 160 A at 22 V rated value 160 A at 32 V rated value 160 A at 440 V rated value 2.5 A at 440 V rated value 160 A at 600 V rated value 160 A at 22 V rated value 160 A at 24 V rated value 160 A	— at 110 V rated value	160 A
- at 600 V rated value • with 3 current paths in series at DC-1 - 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 - at 600 V rated value - at 600 V rated value • at 1 current path at DC-3 at DC-5 - at 24 V rated value - at 110 V rated value - at 110 V rated value - at 220 V rated value - at 220 V rated value - at 440 V rated value - at 220 V rated value - at 40 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 110 V rated value - at 220 V rated value - at 220 V rated value - at 24 V rated value - at 25 A - at 440 V rated value - at 25 A - at 440 V rated value - at 200 V rated value	— at 220 V rated value	20 A
with 3 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	3.2 A
- at 24 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 11.5 A - at 600 V rated value 4 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 220 V rated value 0.6 A - at 440 V rated value 12.5 A - at 220 V rated value 0.17 A - at 600 V rated value 0.17 A - at 600 V rated value 160 A - at 110 V rated value 160 A - at 440 V rated value 160 A - at 420 V rated value 2.5 A - at 220 V rated value 160 A - at 600 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 160 A - at 320 V rated value 160 A - at 440 V rated value 160 A - at 460 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 24 V rated value 160 A	— at 600 V rated value	1.6 A
- at 110 V rated value 160 A - at 220 V rated value 11.5 A - at 600 V rated value 4 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 220 V rated value 0.6 A - at 440 V rated value 0.17 A - at 600 V rated value 0.17 A - at 600 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 440 V rated value 160 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 24 V rated value 160 A	 with 3 current paths in series at DC-1 	
- at 220 V rated value 11.5 A - at 440 V rated value 4 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 2.5 A - at 220 V rated value 0.6 A - at 440 V rated value 0.17 A - at 600 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 2.5 A - at 440 V rated value 0.65 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 24 V rated value 160 A	— at 24 V rated value	160 A
— at 440 V rated value 11.5 A — at 600 V rated value 4 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 2.5 A — at 220 V rated value 0.6 A — at 440 V rated value 0.17 A — at 600 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 160 A — at 110 V rated value 160 A — at 440 V rated value 2.5 A — at 440 V rated value 160 A — at 220 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 24 V rated value 160 A	— at 110 V rated value	160 A
— at 600 V rated value 4 A Operating current ■ at 1 current path at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 2.5 A — at 220 V rated value 0.17 A — at 600 V rated value 0.12 A ■ with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 160 A — at 110 V rated value 160 A — at 220 V rated value 160 A — at 220 V rated value 160 A — at 270 V rated value 160 A — at 270 V rated value 160 A — at 440 V rated value 160 A ■ with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A	— at 220 V rated value	160 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 110 V rated value — at 220 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 220 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 — at 600 V rated value — at 24 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A	— at 440 V rated value	11.5 A
 at 1 current path at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 2.5 A — at 220 V rated value 0.6 A — at 440 V rated value 0.17 A — at 600 V rated value 0.12 A with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A — at 110 V rated value 160 A — at 220 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 24 V rated value 160 A 	— at 600 V rated value	4 A
- at 24 V rated value - at 110 V rated value 2.5 A - at 220 V rated value 0.6 A - at 440 V rated value 0.17 A - at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 110 V rated value 160 A - at 220 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 0.37 A • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A	Operating current	
 at 110 V rated value at 220 V rated value 0.6 A at 440 V rated value 0.17 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 at 24 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 26 A 	• 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 at 600 V rated value at 24 V rated value at 24 V rated value at 600 V rated value at 24 V rated value 160 A at 24 V rated value 160 A 	— at 24 V rated value	160 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 24 V rated value 160 A 160 A 160 A 160 A 	— at 110 V rated value	2.5 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 at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 160 A 	— 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 24 V rated value 160 A 0.37 A 160 A 160 A 	— at 440 V rated value	0.17 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 24 V rated value 160 A 	— at 600 V rated value	0.12 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 at 24 V rated value 160 A 	• 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 160 A 	— at 24 V rated value	160 A
 — 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 160 A 	— at 110 V rated value	160 A
 at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 160 A 	— at 220 V rated value	2.5 A
 with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A 	— at 440 V rated value	0.65 A
— at 24 V rated value 160 A	— at 600 V rated value	0.37 A
	• with 3 current paths in series at DC-3 at DC-5	
— at 110 V rated value 160 A	— at 24 V rated value	160 A
	— at 110 V rated value	160 A

— at 220 V rated value	160 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	60 kW
— at 400 V rated value	105 kW
— at 400 V at 60 °C rated value	105 kW
— at 690 V rated value	181 kW
— at 690 V at 60 °C rated value	181 kW
— at 1000 V at 60 °C rated value	148 kW
• at AC-2 at 400 V rated value	75 kW
• at AC-3	
— at 230 V rated value	50 kW
— at 400 V rated value	75 kW
— at 500 V rated value	90 kW
— at 690 V rated value	132 kW
— at 1000 V rated value	90 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	38 kW
• at 690 V rated value	55 kW
Thermal short-time current limited to 10 s	1 300 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	9 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	750 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	110 127 //
at 50 Hz rated value	110 127 V
at 60 Hz rated value	110 127 V
Control supply voltage at DC	110 127 \/
• rated value	110 127 V
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	300 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	5.8 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	0.8
Closing power of magnet coil at DC	360 W
Holding power of magnet coil at DC	5.2 W
Closing delay	
● at AC	20 95 ms
• at DC	20 95 ms
Opening delay	
● at AC	40 60 ms
• at DC	40 60 ms
Arcing time	10 15 ms
Control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
Number of NC contacts	
• for exaction, exacts	

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 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	156 A
● at 600 V rated value	144 A
Yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	30 hp
 for three-phase AC motor 	
— at 200/208 V rated value	50 hp
— at 220/230 V rated value	60 hp
— at 460/480 V rated value	125 hp
— at 575/600 V rated value	150 hp
Contact rating of auxiliary contacts according to UL	A600 / Q600

Short-circuit protection	
Design of the fuse link	
• for short-circuit protection of the main circuit	
 — with type of coordination 1 required 	Fuse gG: 355 A
 — with type of assignment 2 required 	Fuse gG: 315 A
 for short-circuit protection of the auxiliary switch required 	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	172 mm
Width	120 mm
Depth	170 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 	4 250 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

0 1				
Safety	/ ral	ater	1 (12)	
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Product function

Mirror contact acc. to IEC 60947-4-1

• positively driven operation acc. to IEC 60947-5-

Protection against electrical shock

Yes

No

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

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery Declaration of Conformity









Type Examination

Certificate



Test Certificates

Type Test
Certificates/Test
Report

Special Test Certificate

Miscellaneous



Marine / Shipping





Marine / other Shipping



Confirmation

Environmental Confirmations

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=3RT1055-6AF36

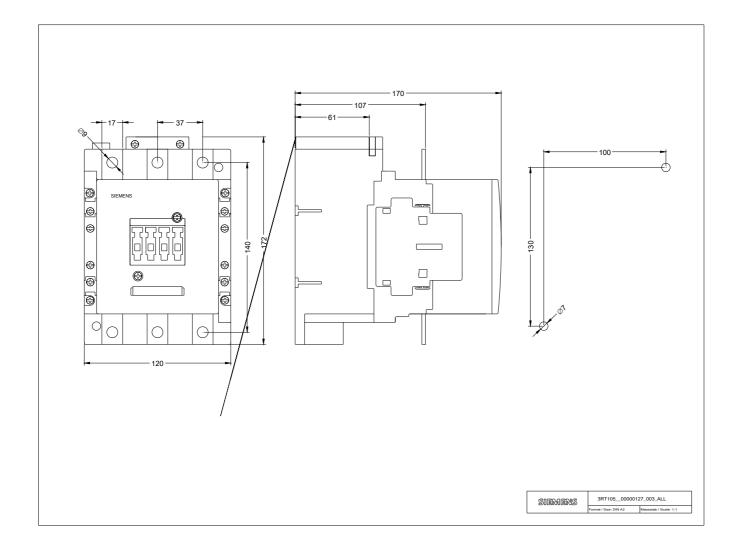
Cax online generator

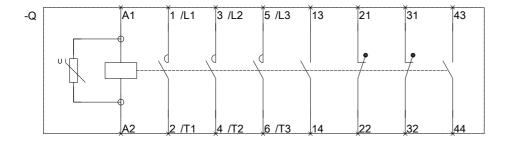
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1055-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-6AF36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-6AF36&lang=en





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