SIEMENS

Data sheet

3RT1054-1PF35



CONTACTOR, 55KW/400V/AC-3 AC(50...60HZ)/DC OPERATION UC 96-127V AUXILIARY CONTACTS 1NO+1NC 3-POLE, SIZE S6 WITH BOX TERMINALS ELECTRONIC OPERATING MECHANISM WITH PLC/SIMOCODE INTERFACE AND REMAIN. LIFETIME INDICATOR

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		
Aain 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	160 A		
• at AC-1			
— up to 690 V at ambient temperature 40 °C rated value	160 A		
— up to 690 V at ambient temperature 60 °C rated value	140 A		
— up to 1000 V at ambient temperature 40 °C rated value	80 A		
— up to 1000 V at ambient temperature 60 °C rated value	80 A		
• at AC-2 at 400 V rated value	115 A		
● at AC-3			
— at 400 V rated value	115 A		
— at 500 V rated value	115 A		
— at 690 V rated value	115 A		
— at 1000 V rated value	53 A		
Connectable conductor cross-section in main circuit at AC-1			

• at 40 °C minimum permissible70 mm²Operating current for approx. 20000 operating cycles at AC-454 A• at 400 V rated value54 A• at 600 V rated value48 AOperating current-• at 100 V rated value160 A- at 24 V rated value160 A- at 240 V rated value0.8 A- at 420 V rated value0.6 A- at 420 V rated value0.6 A- at 420 V rated value160 A- at 420 V rated value0.6 A- at 420 V rated value160 A- at 410 V rated value160 A- at 420 V rated value160 A <t< th=""><th>• at 60 °C minimum permissible</th><th>50 mm²</th></t<>	• at 60 °C minimum permissible	50 mm ²
Operating current for approx. 200000 operating cycles at AC-4 State • at 400 V rated value 54 A • at 600 V rated value 48 A Operating current - • at 100 V rated value 160 A		70 mm ²
• at 400 V rated value 54 Å • at 690 V rated value 48 Å Operating current - • at 1 current path at DC-1 - - at 24 V rated value 160 Å at 110 V rated value 18 Å - at 220 V rated value 0.8 Å - at 440 V rated value 0.8 Å - at 600 V rated value 0.8 Å - at 600 V rated value 160 Å - at 22 V rated value 160 Å - at 24 V rated value 160 Å - at 40 V rated value 20 Å - at 40 V rated value 160 Å - at 40 V rated value 160 Å - at 400 V rated value 160 Å - at 20 V rated value 160 Å	·	
• at 680 V rated value 48 A Operating current - • at 1 current path at DC-1 - - at 24 V rated value 160 A - at 220 V rated value 3.4 A - at 220 V rated value 0.8 A - at 440 V rated value 0.8 A - at 400 V rated value 0.5 A • with 2 current paths in series at DC-1 - - at 240 V rated value 160 A - at 240 V rated value 0.8 A - at 100 V rated value 160 A - at 200 V rated value 100 A - at 200 V rated value 100 A - at 200 V rated value 100 A	cycles at AC-4	
Operating current Instrument path at DC-1 - at 24 V rated value 160 A - at 10 V rated value 18 A - at 240 V rated value 3.4 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 220 V rated value 160 A - at 220 V rated value 20 A - at 220 V rated value 160 A - at 400 V rated value 160 A - at 410 V rated value 160 A - at 220 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value	• at 400 V rated value	54 A
• at 1 current path at DC-1 I60 A - at 24 V rated value 160 A - at 110 V rated value 18 A - at 220 V rated value 34 A - at 220 V rated value 0.8 A - at 400 V rated value 0.5 A - at 200 V rated value 160 A - at 21 V rated value 160 A - at 22 V rated value 20 A - at 22 V rated value 160 A - at 600 V rated value 160 A - at 22 V rated value 160 A - at 40 V rated value 0.6 A - at 40 V rated value 0.17 A	• at 690 V rated value	48 A
	Operating current	
- 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 160 A - at 220 V rated value 20 A - at 440 V rated value 3.2 A - at 400 V rated value 3.2 A - at 600 V rated value 160 A - at 220 V rated value 160 A - at 440 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 420 V rated value 160 A - at 420 V rated value 160 A - at 400 V rated value 11.5 A - at 400 V rated value 2.5 A - at 400 V rated value 0.6 A - at 440 V rated value 0.17 A - at 400 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - - at 440 V rated value 160 A - at 440 V rated value	• at 1 current path at DC-1	
- 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 200 V rated value 160 A - at 200 V rated value 20 A - at 400 V rated value 3.2 A - at 600 V rated value 1.6 A • with 3 current paths in series at DC-1 - - at 20 V rated value 160 A - at 20 V rated value 160 A - at 20 V rated value 160 A - at 400 V rated value 100 A - at 400 V rated value 100 A - at 400 V rated value 100 A - at 20 V rated value 0.6 A - at 400 V rated value 0.17 A - at 200 V rated value 0.10 A - at 200 V rated value 0.10 A - at 200 V rated value 0.10 A - at 400 V rated value 0.17 A - at 400 V rated value	— at 24 V rated value	160 A
	— at 110 V rated value	18 A
- at 600 V rated value 0.5 A • with 2 current paths in series at DC-1 - at 24 V rated value - at 24 V rated value 160 A - at 110 V rated value 20 A - at 440 V rated value 3.2 A - at 600 V rated value 160 A - at 24 V rated value 160 A - at 420 V rated value 160 A - at 600 V rated value 140 A - at 600 V rated value 15 A - at 600 V rated value 15 A - at 410 V rated value 160 A - at 220 V rated value 160 A - at 410 V rated value 160 A - at 220 V rated value 160 A - at 4110 V rated value 1	— at 220 V rated value	3.4 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 220 V rated value 20 A at 440 V rated value 32 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 160 A at 440 V rated value 160 A at 1 current path at DC-3 at DC-5 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 0.12 A with 2 current paths in series at DC-3 at DC-5 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 0.17 A at 440 V rated value 0.17 A at 440 V rated value 0.17 A at 220 V rated value 0.17 A at 440 V rated value 0.17 A at 210 V rated value 0.17 A at 220 V rated value 0.17 A at 440 V rated value 160 A at 220 V rated value 160 A at 440 V rated value<th>— at 440 V rated value</th><th>0.8 A</th>	— at 440 V rated value	0.8 A
- at 24 V rated value 160 A - at 110 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 220 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 600 V rated value 160 A - at 600 V rated value 11.5 A - at 600 V rated value 160 A - at 110 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 0.6 A - at 200 V rated value 0.17 A - at 200 V rated value 160 A - at 210 V rated value 0.16 A - at 220 V rated value 0.16 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 0.65 A	— at 600 V rated value	0.5 A
- at 110 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 20 V rated value 160 A - at 440 V rated value 160 A - at 220 V rated value 160 A - at 440 V rated value 160 A - at 600 V rated value 160 A - at 440 V rated value 160 A - at 600 V rated value 160 A - at 600 V rated value 100 A - at 440 V rated value 160 A - at 220 V rated value 0.6 A - at 110 V rated value 0.6 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 220 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 - - at 440 V rated value 160 A - at 440 V rated value 160 A - at 440	 with 2 current paths in series at DC-1 	
 at 10 V rated value at 220 V rated value at 440 V rated value 32 A at 600 V rated value 16 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 160 A at 440 V rated value 160 A at 220 V rated value 160 A at 440 V rated value 160 A at 440 V rated value 160 A at 220 V rated value 160 A at 220 V rated value 160 A at 1 current path at DC-3 at DC-5 at 24 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 0.6 A at 440 V rated value 0.6 A at 220 V rated value 0.6 A at 440 V rated value 0.6 A at 440 V rated value 0.6 A at 440 V rated value 0.65 A at 440 V rated value <li< th=""><th>— at 24 V rated value</th><th>160 A</th></li<>	— at 24 V rated value	160 A
	— at 110 V rated value	160 A
 at 100 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 10 V rated value at 10 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 10 V rated value at 20 V rated value at 440 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 440 V rated value at 20 V rated value at 20 V rated value at 20 V rated value at 440 V rate	— at 220 V rated value	20 A
 with 3 current paths in series at DC-1 at 24 V rated value at 21 V rated value at 220 V rated value at 220 V rated value at 400 V rated value at 400 V rated value at 600 V rated value at 600 V rated value 5 A at 600 V rated value 60 A at 10 V rated value 60 A at 600 V rated value 60 A at 600 V rated value 60 A at 10 V rated value 160 A at 24 V rated value 160 A at 110 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 10 V rated value 0.12 A with 2 current paths in series at DC-3 at DC-5 at 24 V rated value 0.60 A at 110 V rated value 0.60 A at 24 V rated value 0.60 A at 440 V rated value 0.60 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 0.60 A 	— 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 160 A - at 440 V rated value 11.5 A - at 600 V rated value 4 A Operating current - at 220 V rated value 160 A - at 10 V rated value 160 A - at 24 V rated value 160 A - at 24 V rated value 160 A - at 220 V rated value 0.6 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 - at 220 V rated value 0.60 A - at 110 V rated value 160 A - at 220 V rated value 0.12 A - at 220 V rated value 160 A - at 220 V rated value 0.65 A - at 220 V rated value 0.65 A - at 220 V rated value 0.65 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 - at 600 V rated value 0.65 A - at 600 V rated value 0.65 A	— at 600 V rated value	1.6 A
at 110 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 10 V rated value 160 A at 24 V rated value 160 A at 24 V rated value 160 A at 24 V rated value 0.6 A at 220 V rated value 0.6 A at 240 V rated value 0.17 A at 24 V rated value 0.12 A at 24 V rated value 160 A at 240 V rated value 160 A at 240 V rated value 0.12 A at 240 V rated value 160 A at 220 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 220 V rated value 0.65 A at 440 V rated value 0.65 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	 with 3 current paths in series at DC-1 	
- 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 160 A - at 220 V rated value 160 A - at 24 V rated value 160 A - at 24 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 440 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 0.65 A - at 400 V rated value 0.37 A • with 3 current paths	— at 24 V rated value	160 A
at 440 V rated value11.5 A at 600 V rated value4 AOperating current	— at 110 V rated value	160 A
at 600 V rated value4 AOperating current-• at 1 current path at DC-3 at DC-5 at 24 V rated value160 A at 110 V rated value0.6 A at 220 V rated value0.17 A at 600 V rated value0.12 A• at 600 V rated value160 A at 24 V rated value0.12 A• at 220 V rated value0.12 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value160 A at 24 V rated value0.65 A at 440 V rated value0.65 A at 440 V rated value0.65 A at 600 V rated value0.65 A at 600 V rated value0.65 A at 24 V rated value160 A at 24 V rated value165 A at 24 V rated value160 A at 24 V rated value165 A at 24 V rated value160 A	— at 220 V rated value	160 A
Operating currentImage: constraint of the end of the	— at 440 V rated value	11.5 A
 at 1 current path at DC-3 at DC-5 at 24 V rated value at 24 V rated value at 110 V rated value at 25 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 0.65 A at 440 V rated value 0.65 A at 600 V rated value 0.37 A 	— at 600 V rated value	4 A
at 24 V rated value160 A at 110 V rated value2.5 A at 220 V rated value0.6 A at 440 V rated value0.17 A at 600 V rated value0.12 A• with 2 current paths in series at DC-3 at DC-5	Operating current	
- at 110 V rated value2.5 A- at 220 V rated value0.6 A- at 440 V rated value0.17 A- at 600 V rated value0.12 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value160 A- at 110 V rated value160 A- at 440 V rated value0.65 A- at 440 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5 at 24 V rated value160 A	• at 1 current path at DC-3 at DC-5	
- at 220 V rated value0.6 A- at 440 V rated value0.17 A- at 600 V rated value0.12 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value160 A- at 110 V rated value160 A- at 220 V rated value0.65 A- at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5 at 24 V rated value160 A	— at 24 V rated value	160 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 0.65 A at 600 V rated value 0.65 A at 600 V rated value 0.37 A at 24 V rated value 160 A	— at 110 V rated value	2.5 A
at 600 V rated value0.12 A• with 2 current paths in series at DC-3 at DC-5 at 24 V rated value160 A at 110 V rated value160 A at 220 V rated value2.5 A at 440 V rated value0.65 A at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5 at 24 V rated value160 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 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 0.65 A at 600 V rated value 0.37 A 	— at 440 V rated value	0.17 A
- at 24 V rated value160 A- at 110 V rated value160 A- at 220 V rated value2.5 A- at 440 V rated value0.65 A- at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5160 A- at 24 V rated value160 A	— at 600 V rated value	0.12 A
- at 110 V rated value160 A- at 220 V rated value2.5 A- at 440 V rated value0.65 A- at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5160 A	 with 2 current paths in series at DC-3 at DC-5 	
at 220 V rated value2.5 A at 440 V rated value0.65 A at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5	— at 24 V rated value	160 A
- at 440 V rated value0.65 A- at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5- at 24 V rated value160 A	— at 110 V rated value	160 A
at 600 V rated value0.37 A• with 3 current paths in series at DC-3 at DC-5160 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	53 kW
— at 400 V rated value	92 kW
— at 400 V at 60 °C rated value	92 kW
— at 690 V rated value	159 kW
— at 690 V at 60 °C rated value	159 kW
— at 1000 V at 60 °C rated value	131 kW
• at AC-2 at 400 V rated value	55 kW
• at AC-3	
— at 230 V rated value	37 kW
— at 400 V rated value	55 kW
— at 500 V rated value	75 kW
— at 690 V rated value	110 kW
— at 1000 V rated value	75 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	29 kW
• at 690 V rated value	48 kW
Thermal short-time current limited to 10 s	1 100 A
Power loss [W] at AC-3 at 400 V for rated value of	7 W
the operating current per conductor 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	400 1/h
• at AC-3 maximum	1 000 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	96 127 V 96 127 V
at 60 Hz rated value	50 127 V
Control supply voltage at DC • rated value	96 127 V
Prated Value Operating range factor control supply voltage rated	50 127 V
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	280 V·A
Inductive power factor with closing power of the coil	
• at 50 Hz	0.8
Apparent holding power of magnet coil at AC	-
• at 50 Hz	4.4 V·A
Inductive power factor with the holding power of the coil	-
● at 50 Hz	0.5
Closing power of magnet coil at DC	320 W
Holding power of magnet coil at DC	2.8 W
Closing delay	
• at AC	35 75 ms
● at DC	35 75 ms
Opening delay	
• at AC	80 90 ms
• at DC	80 90 ms
Arcing time	10 15 ms
Auxiliary circuit	
Number of NC contacts	
 for auxiliary contacts 	
— instantaneous contact	1
Number of NO contacts	
 for auxiliary contacts 	
— instantaneous contact	1
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
	0.45.4

• 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)

	atings
SA r	atings

Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	124 A
• at 600 V rated value	125 A
Yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 230 V rated value	25 hp
 for three-phase AC motor 	
— at 200/208 V rated value	40 hp
— at 220/230 V rated value	50 hp
— at 460/480 V rated value	100 hp
— at 575/600 V rated value	125 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	140 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			
 for main contacts 			
— stranded	max. 2x 70 mm ²		
- finely stranded with core end processing	max. 1x 50, 1x 70 mm ²		
- finely stranded without core end	max. 1x 50, 1x 70 mm ²		
processing			
 at AWG conductors for main contacts 	2x 1/0		
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- 1 	No		
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529		
Certificates/approvals			

General Produc	t Approval			Functional Safety/Safety of Machinery	Declaration of Conformity
CCC	(SA)		EHC	Type Examination Certificate	EG-Konf.
Test Certificates	8	Marine / Shipping			
Special Test Certificate	<u>Type Test</u> Certificates/Test <u>Report</u>	ABS	Lloyd's Register LRS	RMRS	ĴÅ DNV DNV
Marine /	other				
Shipping					
DNV-GL DNVGLCOM/AF	Environmental Confirmations	<u>Miscellaneous</u>	Confirmation		

Further information

Information- and Downloadcenter (Catalogs, Brochures,...) http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

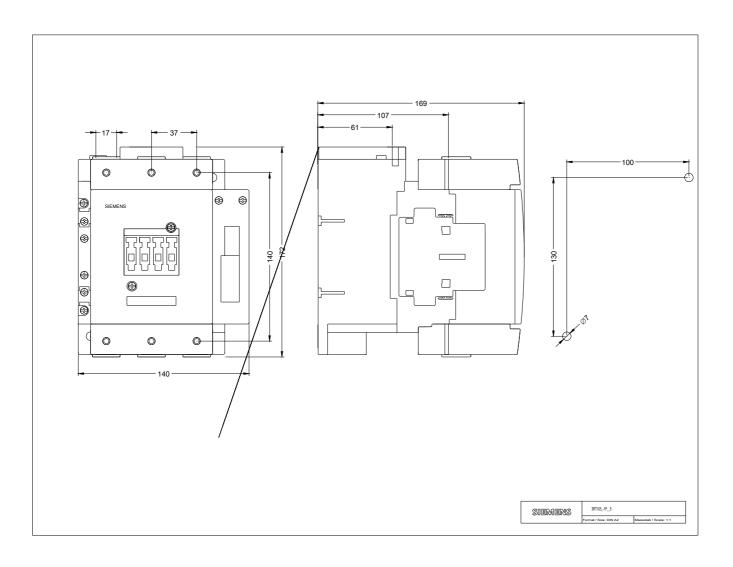
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1054-1PF35

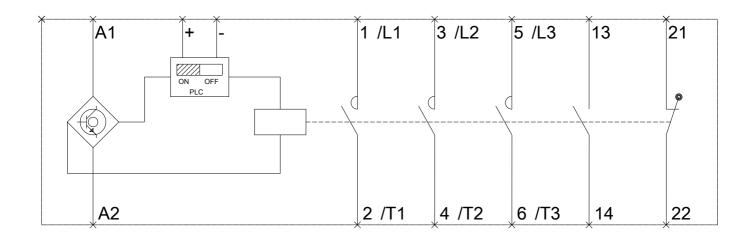
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-1PF35

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-1PF35

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-1PF35&lang=en





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