SIEMENS

Data sheet

3RT1054-6NP36

CONTACTOR, 55KW/400V/AC-3, AC(50...60HZ)/DC OPERATION UC 200...277V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH PLC INTERFACE 24V DC SCREW TERMINAL



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
mbient conditions	
Ambient temperature	
• during operation	-25 +60 °C
• during storage	-55 +80 °C
lain 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
	115 A
— at 690 V rated value	
— at 690 V rated value	

• 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- at 440 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	2 000 1/h
• at AC	2 000 1/h
• at DC	
 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	200 277 V
• at 60 Hz rated value	200 277 V
Control supply voltage at DC	
• rated value	200 277 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	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	2
	2
— instantaneous contact	2
— instantaneous contact Number of NO contacts	2
 instantaneous contact Number of NO contacts for auxiliary contacts 	
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact 	2
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum 	2
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 	2 10 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value 	2 10 A 6 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value 	2 10 A 6 A 3 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value 	2 10 A 6 A 3 A 2 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 	2 10 A 6 A 3 A 2 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value Operating current at DC-12 	2 10 A 6 A 3 A 2 A 1 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value 	2 10 A 6 A 3 A 2 A 1 A 10 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value 	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value 	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value Operating current at DC-12 at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 110 V rated value at 125 V rated value 	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A
 instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact Operating current at AC-12 maximum Operating current at AC-15 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 60 V rated value at 60 V rated value 	2 10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 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	120 mm
Depth	170 mm
Required spacing	
 for grounded parts 	
— at the side	10 mm

onnections/Termination	als				
ype of electrical con	nection				
 for main current 	circuit		screw-type terminals		
 for auxiliary and 	control current cire	cuit	screw-type terminals		
ype of connectable	conductor cross-se	ctions			
 at AWG conduct 	tors for main conta	icts	4 250 kcmil		
ype of connectable	conductor cross-se	ctions			
 for auxiliary con 	tacts				
— solid — single or multi-stranded		2x (0.5 1.5 mm²), 2	2x (0.75 2.5 mm²), max	x. 2x (0.75 4 mr	
			2x (0,5 1,5 mm²), 2	2x (0,75 2,5 mm²), max	x. 2x (0,75 4 mr
— finely stran	ded with core end	processing	2x (0.5 1.5 mm²), 2	2x (0.75 2.5 mm²)	
 at AWG conduct 	tors for auxiliary co	ontacts	2x (20 16), 2x (18	14), 1x 12	
faturalatadatat		-			
fety related data		-			
	cc. to IEC 60947-4	-1	Yes		
	operation acc. to		No		
1		120 00947-0-			
rotection against ele	ctrical shock		finger-safe when touc	ched vertically from front	acc. to IEC 60529
-					
ertificates/approval					
General Product	Approval			Functional	Declaration of
				Safety/Safety	Conformity
				of Machinery	Conformity
(MC)			rnr		
	(SP)	(JL)	FAC	of Machinery Type Examination	CE
	CSA		EAC	of Machinery Type Examination	Conformity EG-Konf.
	CSA	UL	EAC	of Machinery Type Examination	CE
CCC Test Certificates	CSA	UL UL	ERE	of Machinery Type Examination	CE
	CSA Special Test		ERE ipping	of Machinery Type Examination	CE
Test Certificates	Special Test Certificate		ERC ipping	of Machinery Type Examination	EG-Konf.
Test Certificates		Marine / Sh	ipping	of Machinery Type Examination Certificate	EG-Konf.
Test Certificates			Ipping	of Machinery Type Examination Certificate	EG-Konf.
Test Certificates Type Test Certificates/Test Report		Marine / Sh	ipping First	of Machinery Type Examination Certificate	EG-Konf.
Test Certificates	Certificate	Marine / Sh	RMRS	of Machinery Type Examination Certificate	EG-Konf.
Test Certificates Type Test Certificates/Test Report		Marine / Sh	RMRS	of Machinery	EG-Konf.

Further information

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

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

Industry Mall (Online ordering system)

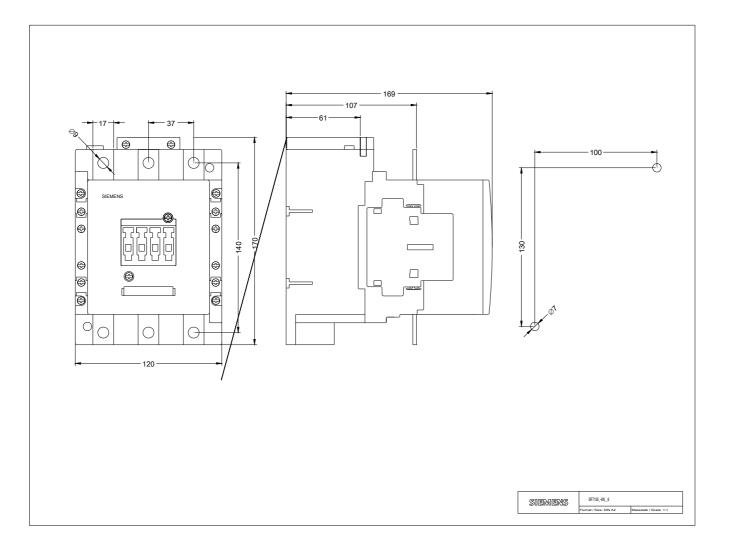
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1054-6NP36

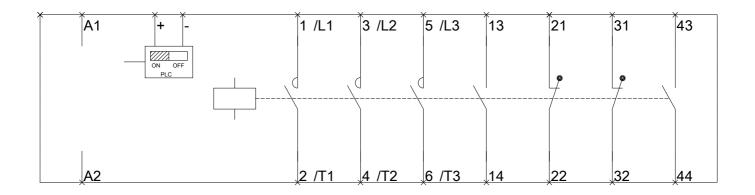
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1054-6NP36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1054-6NP36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1054-6NP36&lang=en





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