SIEMENS

Data sheet

3RT1056-6NF36

CONTACTOR, 90KW/400V/AC-3, AC(50...60HZ)/DC OPERATION UC 96...127V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH 24V DC PLC INTERFACE 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)	10, 1 g / 5 m3, 0,5g / 10 m3
of contactor typical	10 000 000
 of the contactor with added electronics- 	5 000 000
compatible auxiliary switch block typical	
 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	215 A
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	215 A
— up to 690 V at ambient temperature 60 °C rated value	185 A
— up to 1000 V at ambient temperature 40 °C rated value	100 A
— up to 1000 V at ambient temperature 60 °C rated value	100 A
• at AC-2 at 400 V rated value	185 A
• at AC-3	
— at 400 V rated value	185 A
— at 500 V rated value	185 A
— at 690 V rated value	170 A
— at 1000 V rated value	65 A

• at 40 °C minimum permissible95 mm²Operating current for approx. 20000 operating cycles at AC-481 A• at 400 V rated value65 AOperating current160 A- at 24 V rated value160 A- at 24 V rated value0.8 A- at 400 V rated value0.8 A- at 400 V rated value0.5 A- at 400 V rated value0.5 A- at 400 V rated value160 A- at 400 V rated value0.5 A- at 400 V rated value160 A- at 410 V rated value160 A- at 420 V rated value160 A- at 410 V rated value160 A- at 420 V rated value160 A <th>• at 60 °C minimum permissible</th> <th>95 mm²</th>	• at 60 °C minimum permissible	95 mm ²
Operating current for approx. 20000 operating cycles at AC-4 Image: space		95 mm ²
• at 400 V rated value 81 A • at 690 V rated value 65 A Operating current - • at 1 current path at DC-1 - - at 24 V rated value 160 A at 24 V rated value 18 A - at 440 V rated value 0.8 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 24 V rated value 160 A - at 400 V rated value 20 A - at 400 V rated value 160 A - at 24 V rated value 160 A - at 110 V rated value 160 A - at 24 V rated value 160 A	•	
• at 690 V rated value 65 A Operating current - • at 1 current path at DC-1 - - at 24 V rated value 180 A - at 220 V rated value 3.4 A - at 220 V rated value 0.8 A - at 220 V rated value 0.8 A - at 400 V rated value 0.5 A • with 2 current paths in series at DC-1 - - at 210 V rated value 160 A - at 220 V rated value 20 A - at 110 V rated value 160 A - at 220 V rated value 160 A - at 220 V rated value 160 A - at 240 V rated value 160 A - at 220 V rated value 160 A	cycles at AC-4	
Operating current Instrument • at 1 current path at DC-1 160 A - at 24 V rated value 160 A - at 24 V rated value 18 A - at 20 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 210 V rated value 160 A - at 220 V rated value 160 A - at 600 V rated value 160 A - at 410 V rated value 160 A - at 42 V rated value 160 A - at 220 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 220 V rated value 160 A - at 24 V rated value 160 A	• at 400 V rated value	81 A
• at 1 current path at DC-1 160 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 24 V rated value 160 A - at 24 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 24 V rated value 160 A - at 24 V rated value 160 A - at 22 V rated value 160 A - at 20 V rated value 160 A - at 40 V rated value 15 A - at 400 V rated value 160 A - at 10 V rated value 25 A - at 22 V rated value 0.17 A - at 40 V rated value 0.17 A - at 400 V rated value 0.17 A	• at 690 V rated value	65 A
	Operating current	
	• 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 110 V rated value 160 A - at 220 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 600 V rated value 160 A - at 24 V rated value 160 A - at 20 V rated value 160 A - at 440 V rated value 100 A - at 440 V rated value 100 A - at 400 V rated value 2.5 A - at 440 V rated value 0.6 A - at 440 V rated value 0.17 A - at 24 V rated value 0.10 A - at 400 V rated value 0.10 A - at 400 V rated value 0.10 A - at 440 V rated value	— at 24 V rated value	160 A
	— at 110 V rated value	18 A
- at 600 V rated value 0.5 Å • with 2 current paths in series at DC-1 - at 24 V rated value - at 220 V rated value 160 Å - at 220 V rated value 20 Å - at 440 V rated value 3.2 Å - at 600 V rated value 160 Å - at 600 V rated value 160 Å - at 440 V rated value 160 Å - at 24 V rated value 160 Å - at 200 V rated value 160 Å - at 600 V rated value 15 Å - at 440 V rated value 160 Å - at 410 V rated value 160 Å - at 220 V rated value 0.6 Å - at 220 V rated value 0.6 Å - at 440 V rated value 0.17 Å - at 600 V rated value 160 Å - at 220 V rated value 160 Å - at 220 V rated value 160 Å - at 220 V rated value 2.5 Å - at 220 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 110 V rated value at 20 A at 440 V rated value 20 A 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 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 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 24 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 22 V rated value 0.17 A at 22 V rated value 0.17 A at 440 V rated value 160 A at 10 V rated value 160 A at 22 V rated value 160 A at 440 V rated value 160 A at 24 V rated value 160 A at 440 V rated value 160 A at 440	— 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 600 V rated value 160 A - at 600 V rated value 160 A - at 600 V rated value 160 A - at 24 V rated value 0.6 A - at 200 V rated value 0.17 A - at 440 V rated value 160 A - at 24 V rated value 0.16 A - at 24 V rated value 0.16 A - at 440 V rated value 0.16 A - at 440 V rated value 160 A - at 440 V rated value 0.65 A <th>— at 600 V rated value</th> <th>0.5 A</th>	— at 600 V rated value	0.5 A
	 with 2 current paths in series at DC-1 	
 at 220 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 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 440 V rated value 160 A at 220 V rated value 160 A at 220 V rated value 160 A at 440 V rated value 15 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 460 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 0.65 A at 4	— 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 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 10 V rated value at 10 V rated value at 200 V rated value at 400 V rated value at 200 V rated value at 400 V rated value a	— at 220 V rated value	20 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 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 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 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 24 V rated value 0.5 A at 24 V rated value 0.65 A at 440 V rated value 0.65 A at 24 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 0.65 A at 440 V rated value 0.	— 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 10 V rated value 160 A - at 10 V rated value 160 A - at 220 V rated value 160 A - at 220 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 160 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 160 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 600 V rated value 0.65 A - at 600 V rated value 0.37 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	1.6 A
- at 110 V rated value 160 A - at 220 V rated value 160 A - at 220 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 20 V rated value 0.6 A - at 440 V rated value 0.17 A - at 24 V rated value 0.12 A - at 24 V rated value 160 A - at 24 V rated value 0.12 A - at 24 V rated value 160 A - at 210 V rated value 0.60 A - at 24 V rated value 0.17 A - at 24 V rated value 0.12 A - at 24 V rated value 160 A - at 210 V rated value 160 A - at 220 V rated value 160 A - at 440 V rated value 0.65 A - at 400 V rated value 0.65 A - at 400 V rated value 0.37 A -	 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 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 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 20 V rated value 0.60 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 0.65 A - at 440 V rated value 0.65 A - at 440 V rated value 0.37 A • with 3 current paths in series at DC-3 at DC-5 - - at 42 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 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 600 V rated value 0.12 A - at 600 V rated value 0.12 A - at 24 V rated value 160 A - at 440 V rated value 0.12 A - at 440 V rated value 0.12 A - at 440 V rated value 160 A - at 220 V rated value 160 A - at 220 V rated value 100 A - at 440 V rated value 100 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 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 24 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 value0.37 A• with 3 current paths in series at DC-3 at DC-5 at 24 V rated value160 A	— at 220 V rated value	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 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 0.6 A • with 2 current paths in series at DC-3 at DC-5 at 24 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 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 at 24 V rated value160 A- at 110 V rated value160 A- at 220 V rated value0.65 A- at 440 V rated value0.65 A- at 440 V rated value0.65 A- at 24 V rated value160 A	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 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 1 current path at DC-3 at DC-5	
 at 220 V rated value at 440 V rated value at 600 V rated value 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 440 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 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 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	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 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 440 V rated value	0.17 A
- 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-5 160 A - at 24 V rated value 160 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 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 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 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	70 kW
— at 400 V rated value	121 kW
— at 400 V at 60 °C rated value	121 kW
— at 690 V rated value	210 kW
— at 690 V at 60 °C rated value	210 kW
— at 1000 V at 60 °C rated value	165 kW
• at AC-2 at 400 V rated value	90 kW
● at AC-3	
— at 230 V rated value	61 kW
— at 400 V rated value	90 kW
— at 500 V rated value	132 kW
— at 690 V rated value	160 kW
— at 1000 V rated value	90 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	45 kW
• at 690 V rated value	65 kW
Thermal short-time current limited to 10 s	1 480 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	13 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 Control supply voltage at AC	AC/DC
at 50 Hz rated value	96 127 V
at 50 Hz rated value at 60 Hz rated value	96 127 V
Control supply voltage at DC	
rated value	96 127 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	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
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 100 V rated value	3 A
 at 110 V rated value at 125 V rated value	3 A
• at 110 V rated value	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)

UL/CSA ratings

OL/OOA lallings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	180 A
• at 600 V rated value	192 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	60 hp
— at 220/230 V rated value	75 hp
— at 460/480 V rated value	150 hp
— at 575/600 V rated value	200 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 connect	ction				
 for main current circuit 			screw-type terminals		
• for auxiliary and control current circuit			screw-type terminals		
Type of connectable con	nductor cross-sec	tions			
 at AWG conductors 	s for main contac	cts	4 250 kcmil		
Type of connectable con	nductor cross-sec	tions	-		
 for auxiliary contact 	cts				
— solid			2x (0.5 1.5 mm²), 2x (0).75 2.5 mm²), max	k. 2x (0.75 4 mm²)
— single or multi	i-stranded		2x (0,5 1,5 mm²), 2x (0),75 2,5 mm²), max	k. 2x (0,75 4 mm²)
— finely stranded	d with core end p	processing	2x (0.5 1.5 mm²), 2x (0).75 2.5 mm²)	
 at AWG conductors 	s for auxiliary co	ntacts	2x (20 16), 2x (18 14	4), 1x 12	
Cofety valated by					
Safety related data Product function					
Mirror contact acc.	to IFC 60947-4-	.1	Yes		
 positively driven op 			No		
• positively driven op 1		∟∪ ∪∪∜47-Э-			
Protection against electr	ical shock		finger-safe when touched	d vertically from front	acc. to IEC 60529
-			-		
Certificates/approvals					
General Product Ap	proval			Functional	Declaration of
General Product Ap	proval			Safety/Safety	Declaration of Conformity
General Product Ap	pproval			Safety/Safety of Machinery	
General Product Ap			rnr	Safety/Safety	
General Product Ap		(بل	FAC	Safety/Safety of Machinery Type Examination	
General Product Ap			EAC	Safety/Safety of Machinery Type Examination	
		UL.	EAC	Safety/Safety of Machinery Type Examination	Conformity
ccc			EAC	Safety/Safety of Machinery Type Examination	Conformity
CCC Test Certificates	SFR CSA	UL UL Marine / S	ERC	Safety/Safety of Machinery Type Examination	Conformity
ccc Test Certificates Special Test	Type Test Certificates/Test		EFFIC Shipping	Safety/Safety of Machinery Type Examination	Conformity
ccc Test Certificates Special Test	CSA		ERC Shipping	Safety/Safety of Machinery Type Examination	Conformity
ccc Test Certificates Special Test	Type Test Certificates/Test		EFAC Shipping With a state of the state of t	Safety/Safety of Machinery Type Examination Certificate	Conformity CE CE EG-Konf.
ccc Test Certificates Special Test	Type Test Certificates/Test	Marine / S	EFFE Shipping	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.
CCC Test Certificates Special Test Certificate	Type Test Certificates/Test	Marine / S	EFFC Shipping WWWS	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.
Test Certificates Special Test Certificate Other	Type Test Certificates/Test	Marine / S	RMRS	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.
Test Certificates Special Test Certificate Other	Type Test Certificates/Test Report	Marine / S	ntal	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.
Test Certificates Special Test Certificate Other	Type Test Certificates/Test Report	Marine / S Marine / S ABS	ntal	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.
Test Certificates Special Test Certificate Other	Type Test Certificates/Test Report	Marine / S Marine / S ABS	ntal	Safety/Safety of Machinery Type Examination Certificate	Conformity CEG-Konf.

Further information

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

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Industry Mall (Online ordering system)

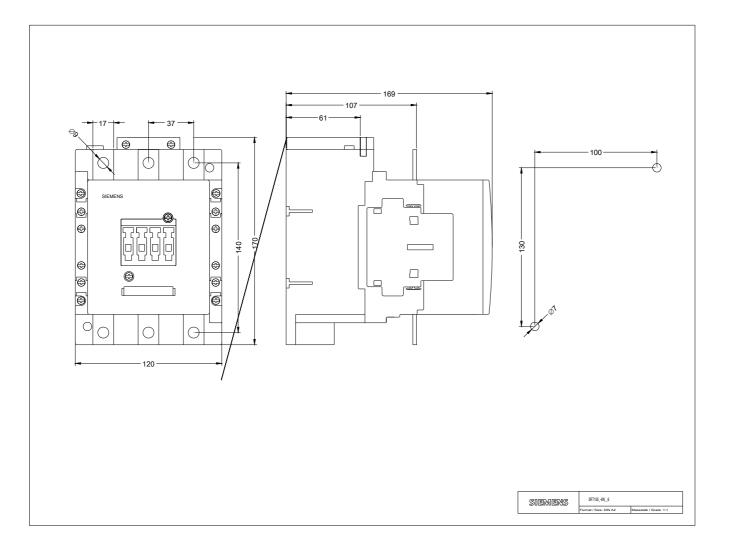
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1056-6NF36

Cax online generator

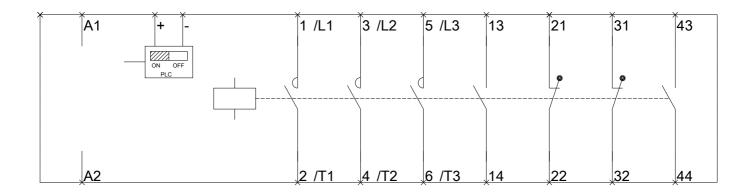
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6NF36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6NF36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1056-6NF36&lang=en



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