# **SIEMENS**

Data sheet 3RT1065-6NB36



Figure similar

CONTACTOR, 132KW/400V/AC-3 AC(50...60HZ)/DC OPERATION UC 21-27.3V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH 24V DC PLC INTERFACE SCREW TERMINAL

Product brand name	SIRIUS	
Product designation	Power contactor	
Product type designation	3RT1	
General technical data		
Size of contactor	S10	

General technical data	
Size of contactor	S10
Product extension	
<ul> <li>function module for communication</li> </ul>	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	
<ul> <li>between coil and main contacts acc. to EN</li> </ul>	690 V
60947-1	
Protection class IP	
• on the front	IP00

• of the terminal	IP00
of the terminal  Shock registered at rectangular impulse.	IF00
Shock resistance at rectangular impulse	8,5g / 5 ms, 4,2g / 10 ms
• at AC	
• at DC	8,5g / 5 ms, 4,2g / 10 ms
Shock resistance with sine pulse	12.4a / E.ma. 6.Ea / 10.ma
• 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)	40,000,000
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Ambient conditions	
Ambient temperature	
<ul><li>during operation</li></ul>	-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	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	330 A
● at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	330 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
● at AC-2 at 400 V rated value	265 A
● at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
Connectable conductor cross-section in main circuit at AC-1	

● at 40 °C minimum permissible         185 mm³           Operating current for approx. 200000 operating cycles at AC-4         117 A           ● at 690 V rated value         105 A           Operating current         105 A           ● at 100 V rated value         300 A           — at 24 V rated value         300 A           — at 110 V rated value         33 A           — at 220 V rated value         0.9 A           — at 600 V rated value         0.6 A           • with 2 current paths in series at DC-1         300 A           — at 140 V rated value         300 A           — at 140 V rated value         300 A           — at 220 V rated value         300 A           — at 240 V rated value         2 A           — at 440 V rated value         2 A           — at 600 V rated value         300 A           — at 24 V rated value         5.2 A           Operating current         11 A           • at 600 V rated value         30 A           — at 24 V rated value         30 A           — at 24 V ra	• at 60 °C minimum permissible	185 mm²
oycles at AC-4  • at 400 V rated value • at 690 V rated value 105 A  Operating current  • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 240 V rated value — at 600 V rated value — at 220 V rated value — at 240 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated va	• at 40 °C minimum permissible	185 mm²
• at 400 V rated value • at 690 V rated value 105 A  Operating current  • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 V rated value — at 25 V rated value — at 26 0V rated value — at 26 0V rated value — at 27 V rated value — at 28 V rated value — at 400 V rated value — at 400 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 110 V rated value — at 20 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 440 V rated value — at 4	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 220 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 600 V rated value             — at 220 V rated value             — at 220 V rated value             — at 220 V rated value             — at 24 V rated value             — at 240 V rated value             — at 220 V rated value             — at 240 V rated value             — at 240 V rated value             — at 300 A             — at 440 V rated value             — at 600 V rated value             — at 600 V rated value             — at 600 V rated value             — at 220 V rated value             — at 600 V rated value             — at 24 V rated value             — at 220 V rated value             — at 24 V rated value             — at 24 V rated value             — at 24 V rated value             — at 600 V rated value             — at 200 V	• at 400 V rated value	
at 1 current path at DC-1     — at 24 V rated value		105 A
- at 110 V rated value 3.8 A - at 220 V rated value 0.9 A - at 440 V rated value 0.6 A - at 600 V rated value 0.6 A - at 600 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 600 V rated value 2A - at 600 V rated value 300 A - at 440 V rated value 4A - at 600 V rated value 300 A - at 440 V rated value 300 A - at 110 V rated value 300 A - at 1220 V rated value 300 A - at 140 V rated value 11 A - at 600 V rated value 5.2 A - at 440 V rated value 5.2 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 120 V rated value 300 A - at 120 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 600 V rated value 300 A - at 24 V rated value 300 A - at 600 V rated value 300 A - at 600 V rated value 300 A - at 600 V rated value 300 A -	• at 1 current path at DC-1	
- at 220 V rated value	— at 24 V rated value	
- at 440 V rated value	— at 110 V rated value	
<ul> <li>→ at 600 V rated value</li> <li>♦ with 2 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 24 V rated value</li> <li>— at 250 V rated value</li> <li>— at 260 V rated value</li> <li>— at 27 V rated value</li> <li>— at 27 V rated value</li> <li>— at 28 V rated value</li> <li>— at 290 V rated value</li> <li>— at 200 V rated value</li> <li>— at 200 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 25 V rated value</li> <li>— at 200 V rated value</li> <li>— at 440 V rated v</li></ul>	— at 220 V rated value	
with 2 current paths in series at DC-1     — at 24 V rated value	— at 440 V rated value	
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 440 V rated value 2A  • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 440 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 11 A - at 600 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 0.18 A - at 600 V rated value 0.18 A - at 600 V rated value 0.125 A  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A	— at 600 V rated value	0.6 A
- at 110 V rated value 300 A - at 220 V rated value 4 A - at 600 V rated value 2 A  • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 3A - at 220 V rated value 3A - at 220 V rated value 0.18 A - at 440 V rated value 0.125 A  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A	<ul><li>with 2 current paths in series at DC-1</li></ul>	
- at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A  • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 - at 24 V rated value 3A A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A  • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 200 V rated value 300 A - at 200 V rated value 300 A - at 200 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 200 V rated value 300 A	— at 24 V rated value	
	— at 110 V rated value	300 A
<ul> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-1</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>5.2 A</li> <li>Operating current</li> <li>● at 1 current path at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 24 V rated value</li> <li>— at 27 V rated value</li> <li>— at 280 V rated value</li> <li>— at 290 V rated value</li> <li>— at 200 V rated value</li> <li>— at 200 V rated value</li> <li>— at 250 V rated value</li> <li>— at 260 V rated value</li> <li>— at 27 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 600 V rated value</li> <li>— at 24 V rated value</li> </ul>	— at 220 V rated value	300 A
with 3 current paths in series at DC-1         — at 24 V rated value	— at 440 V rated value	4 A
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A  Operating current  ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A  ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 0.125 A  ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 300 V rated value 300 A - at 440 V rated value 300 A	— at 600 V rated value	2 A
- at 110 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A  Operating current  ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 3A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A  ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 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 300 A	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 220 V rated value 300 A — at 440 V rated value 11 A — at 600 V rated value 5.2 A  Operating current  ■ at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 3 A — at 220 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A  ■ with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 600 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 300 A	— at 24 V rated value	300 A
— at 440 V rated value 11 A — at 600 V rated value 5.2 A  Operating current  • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A  • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.65 A — at 600 V rated value 300 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A	— at 110 V rated value	300 A
— at 600 V rated value 5.2 A  Operating current  ■ at 1 current path at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 0.6 A  — at 420 V rated value 0.18 A  — at 600 V rated value 0.125 A  ■ with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 300 A  — at 110 V rated value 300 A  — at 220 V rated value 300 A  — at 24 V rated value 2.5 A  — at 440 V rated value 0.65 A  — at 600 V rated value 0.65 A  — at 600 V rated value 300 A  — at 220 V rated value 300 A  — at 220 V rated value 300 A  — at 440 V rated value 300 A  — at 440 V rated value 300 A  — at 600 V rated value 300 A  — at 600 V rated value 300 A  — at 600 V rated value 300 A  ■ with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value 300 A	— at 220 V rated value	300 A
Operating current  • at 1 current path at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 0.6 A  — at 420 V rated value 0.18 A  — at 600 V rated value 0.125 A  • with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 300 A  — at 110 V rated value 300 A  — at 220 V rated value 2.5 A  — at 440 V rated value 0.65 A  — at 600 V rated value 0.65 A  — at 600 V rated value 300 A  • with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value 30.37 A	— at 440 V rated value	11 A
<ul> <li>at 1 current path at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 3 A  — at 220 V rated value 0.6 A  — at 440 V rated value 0.125 A</li> <li>with 2 current paths in series at DC-3 at DC-5  — at 24 V rated value 300 A  — at 110 V rated value 300 A  — at 110 V rated value 300 A  — at 220 V rated value 300 A  — at 440 V rated value 300 A  — at 24 V rated value 300 A  300 A</li> </ul>	— at 600 V rated value	5.2 A
- at 24 V rated value  - at 110 V rated value  - at 220 V rated value  - at 440 V rated value  - at 600 V rated value  • with 2 current paths in series at DC-3 at DC-5  - at 24 V rated value  - at 110 V rated value  300 A  - at 110 V rated value  300 A  - at 220 V rated value  - at 220 V rated value  - at 440 V rated value  - at 600 V rated value  - at 220 V rated value  - at 220 V rated value  300 A  - at 320 V rated value  300 A  - at 240 V rated value  300 A  - at 240 V rated value  300 A	Operating current	
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>0.6 A</li> <li>at 440 V rated value</li> <li>0.18 A</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>300 A</li> <li>at 220 V rated value</li> <li>305 A</li> <li>at 24 V rated value</li> <li>307 A</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> </ul>	• at 1 current path at DC-3 at DC-5	
<ul> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 2 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>• with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>300 A</li> </ul>	— at 24 V rated value	300 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 24 V rated value</li> <li>300 A</li> </ul>	— at 110 V rated value	3 A
<ul> <li>— at 600 V rated value</li> <li>● with 2 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— at 220 V rated value</li> <li>— at 440 V rated value</li> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>300 A</li> <li>0.65 A</li> <li>0.37 A</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>300 A</li> </ul>	— at 220 V rated value	0.6 A
<ul> <li>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  300 A  2.5 A  0.65 A  0.37 A  • with 3 current paths in series at DC-3 at DC-5  — at 24 V rated value  300 A  300 A</li> </ul>	— at 440 V rated value	0.18 A
<ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> <li>300 A</li> </ul>	— at 600 V rated value	0.125 A
<ul> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>5 A</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> </ul>	• with 2 current paths in series at DC-3 at DC-5	
<ul> <li>at 220 V rated value</li> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> </ul>	— at 24 V rated value	300 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>with 3 current paths in series at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>300 A</li> </ul>	— at 110 V rated value	300 A
<ul> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>300 A</li> </ul>	— 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 300 A	— at 440 V rated value	0.65 A
— at 24 V rated value 300 A	— at 600 V rated value	0.37 A
	• with 3 current paths in series at DC-3 at DC-5	
— at 110 V rated value 300 A	— at 24 V rated value	300 A
	— at 110 V rated value	300 A

— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
Operating power	
• at AC-1	
— at 230 V at 60 °C rated value	113 kW
— at 400 V rated value	197 kW
— at 400 V at 60 °C rated value	197 kW
— at 690 V rated value	340 kW
— at 690 V at 60 °C rated value	340 kW
— at 1000 V at 60 °C rated value	246 kW
• at AC-2 at 400 V rated value	132 kW
● at AC-3	
— at 230 V rated value	85 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	66 kW
● at 690 V rated value	102 kW
Thermal short-time current limited to 10 s	2 400 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	18 W
No-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
Operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC	24 27 2 1/
• at 50 Hz rated value	21 27.3 V
• at 60 Hz rated value	21 27.3 V
Control supply voltage at DC	24 27 2 1/
• rated value	21 27.3 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	530 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	5 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	0.5
Closing power of magnet coil at DC	580 W
Holding power of magnet coil at DC	3.4 W
Closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
Opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
Arcing time	10 15 ms
Auxiliary circuit	
Number of NC contacts	
<ul> <li>for auxiliary contacts</li> </ul>	
<ul> <li>instantaneous contact</li> </ul>	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

2 A

1 A

Operating	current at	DC-12

• at 500 V rated value

• at 690 V rated value

orating out ont at DO-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	240 A
• at 600 V rated value	242 A
Yielded mechanical performance [hp]	
<ul> <li>for three-phase AC motor</li> </ul>	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 hp
Contact rating of auxiliary contacts according to UL	A600 / Q600

-circuit	

### Design of the fuse link

• for short-circuit protection of the main circuit

Fuse gG: 500 A — with type of coordination 1 required Fuse gG: 400 A — with type of assignment 2 required fuse gG: 10 A

• for short-circuit protection of the auxiliary switch

required

Installation/ mounting/ dimensions	
Mounting position	+/-180° rotation possible on vertical mounting surface; can be
	tilted forward and backward by +/- 22.5° on vertical mounting
	surface
Mounting type	screw fixing
Side-by-side mounting	Yes
Height	210 mm
Width	145 mm
Depth	202 mm
Required spacing	
• for grounded parts	
— at the side	10 mm

# Connections/Terminals

Type of electrical connection

• for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Type of connectable conductor cross-sections	
<ul> <li>at AWG conductors for main contacts</li> </ul>	2/0 500 kcmil
Type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— 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)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12

Safety		

_		•	4.5
Prod	LICT	Tur	nction

Mirror contact acc. to IEC 60947-4-1

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

1

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**

#### Marine / Shipping

Special Test Certificate Type Test
Certificates/Test
Report









#### other

Miscellaneous

Environmental Confirmations

Confirmation

#### Further informatior

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

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

Industry Mall (Online ordering system)

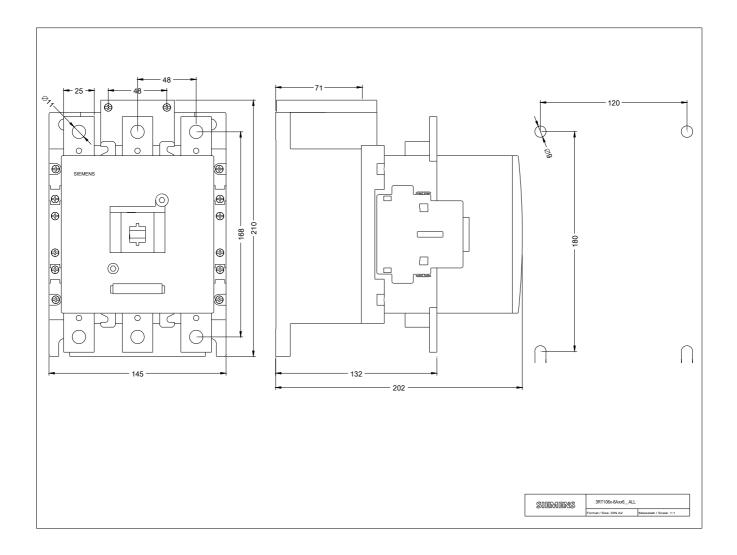
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1065-6NB36

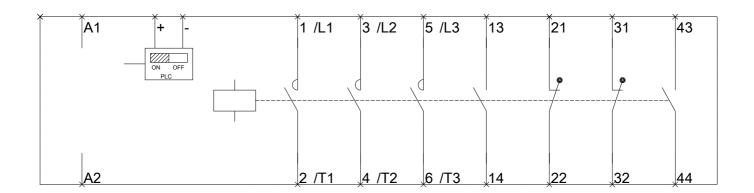
#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6NB36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6NB36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1065-6NB36&lang=en





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