## **SIEMENS**

Data sheet 3RT1064-6AT36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 575-600 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	51 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	17 W
<ul> <li>without load current share typical</li> </ul>	7.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
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 (operating cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized 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
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30	95 %

maximum	
ain 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
at AC-3e rated value maximum	1 000 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated	275 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	275 A
value	
— up to 690 V at ambient temperature 60 °C rated	250 A
value	400 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	100 A
— up to 1000 V at ambient temperature 60 °C rated	100 A
value	
• at AC-3	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	68 A
• at AC-3e	
— at 400 V rated value	225 A
— at 500 V rated value	225 A
— at 690 V rated value	225 A
— at 1000 V rated value	68 A
	195 A
at AC-4 at 400 V rated value     at AC-5 sup to 600 V rated value	242 A
at AC-5a up to 690 V rated value     at AC-5b up to 400 V rated value	
at AC-5b up to 400 V rated value	186 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	225 A
— up to 400 V for current peak value n=20 rated value	225 A
— up to 500 V for current peak value n=20 rated value	225 A
— up to 690 V for current peak value n=20 rated value	225 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	68 A
• at AC-6a	
	172 A
— up to 230 V for current peak value n=30 rated value	
— up to 400 V for current peak value n=30 rated value	172 A
— up to 500 V for current peak value n=30 rated value	172 A
— up to 690 V for current peak value n=30 rated value	172 A
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	68 A
minimum cross-section in main circuit at maximum AC-1 rated value	150 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	96 A
at 690 V rated value	85 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
	200 A 18 A
— at 110 V rated value	
— 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	000 A
— at 24 V rated value	200 A
— at 60 V rated value	200 A

	— at 110 V rated value	200 A
• with 3 current paths in series at DC-1		
with 3 current paths in series at DC-1		
		1.6 A
	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
	— at 24 V rated value	
	— at 60 V rated value	200 A
	— at 110 V rated value	200 A
■ at 1 Current path at DC-3 et DC-3 et DC-5  □ at 24 V rated value	— at 220 V rated value	200 A
■ at 1 current path at DC-3 at DC-5  — at 24 V rated value 7.5 A — at 220 V rated value 0.6 A — at 40 V rated value 0.17 A — at 800 V rated value 0.17 A — at 800 V rated value 0.12 A ■ with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 200 A — at 60 V rated value 200 A — at 60 V rated value 200 A — at 10 V rated value 200 A — at 10 V rated value 25.5 A — at 220 V rated value 25.5 A — at 24 V rated value 200 A — at 800 V rated value 200 A — at 10 V rated value 200 A — at 120 V rated value 200 A — at 120 V rated value 200 A — at 200 V rated value 200 A — at 440 V rated value 200 A — at 440 V rated value 30 V rated value 200 A — at 200 V rated value 30 V rated value 30 V rated value 30 V rated value 40 V rated value 40 V rated value 40 V rated value 50 V rated value 50 V rated value 50 V rated value 40 V rated value 40 V rated value 40 V rated value 50 V rated value 50 V rated value 60	— at 440 V rated value	11 A
	— at 600 V rated value	4 A
	<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
- at 220 V rated value	— at 24 V rated value	200 A
	— at 60 V rated value	7.5 A
• with 2 current paths in series at DC-3 at DC-5           — at 24 V rated value         200 A           — at 110 V rated value         200 A           — at 120 V rated value         200 A           — at 220 V rated value         2.5 A           — at 440 V rated value         0.85 A           — at 440 V rated value         0.37 A           • with 3 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	0.12 A
at 10 V rated value 200 A 21 10 V rated value 2.5 A	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
	— at 24 V rated value	200 A
	— at 60 V rated value	200 A
	— at 110 V rated value	200 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
- at 10 V rated value 200 A 20	<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
- at 110 V rated value 200 A	— at 24 V rated value	200 A
	— at 60 V rated value	200 A
	— at 110 V rated value	200 A
operating power	— at 220 V rated value	200 A
• at AC-3         — at 230 V rated value         55 kW           — at 400 V rated value         110 kW           — at 500 V rated value         160 kW           — at 500 V rated value         200 kW           — at 1000 V rated value         90 kW           • at AC-3e         — at 230 V rated value           — at 400 V rated value         110 kW           — at 500 V rated value         160 kW           — at 500 V rated value         200 kW           — at 500 V rated value         90 kW           — at 500 V rated value         90 kW           — at 400 V rated value         90 kW           — at 400 V rated value         90 kW           • operating power for approx. 200000 operating cycles at AC-4         4           • at 400 V rated value         54 kW           • at 400 V rated value         82 kW           Operating apparent power at AC-5a         90 000 kVA           • up to 400 V for current peak value n=20 rated value         150 000 VA           • up to 500 V for current peak value n=20 rated value         260 000 VA           • up to 1000 V for current peak value n=30 rated value         60 000 VA           • up to 500 V for current peak value n=30 rated value         110 000 VA           • up to 500 V for current peak value n=30 rated value	— at 440 V rated value	1.4 A
• at AC-3  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 230 V rated value 90 kW  • at AC-3e — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value	— at 600 V rated value	0.75 A
- at 230 V rated value	operating power	
- at 400 V rated value	• at AC-3	
- at 500 V rated value - at 690 V rated value 200 kW - at 1000 V rated value 90 kW  • at AC-3e - at 230 V rated value 55 kW - at 400 V rated value 110 kW - at 500 V rated value 160 kW - at 690 V rated value 160 kW - at 690 V rated value 90 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 90 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 90 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 150 000 VA • up to 500 V for current peak value n=20 rated value 190 000 kVA • up to 690 V for current peak value n=20 rated value 190 000 VA • up to 500 V for current peak value n=20 rated value 190 000 VA • up to 500 V for current peak value n=20 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA	— at 230 V rated value	55 kW
- at 690 V rated value - at 1000 V rated value 90 kW  • at AC-3e - at 230 V rated value 55 kW - at 400 V rated value 110 kW - at 500 V rated value 160 kW - at 690 V rated value 200 kW - at 1000 V rated value 90 kW   operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 90 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value 90 000 kVA • up to 500 V for current peak value n=20 rated value 90 000 VA • up to 500 V for current peak value n=20 rated value 90 000 VA • up to 500 V for current peak value n=20 rated value 90 000 VA • up to 500 V for current peak value n=20 rated value 90 000 VA • up to 500 V for current peak value n=20 rated value 90 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 500 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA • up to 690 V for current peak value n=30 rated value 110 000 VA	— at 400 V rated value	110 kW
- at 1000 V rated value  • at AC-3e  - at 230 V rated value  - at 400 V rated value  - at 500 V rated value  - at 690 V rated value  - at 1000 V rated value  - at 1000 V rated value  - at 1000 V rated value  90 kW   operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 400 V rated value  54 kW  • at 690 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  110 000 VA  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value	— at 500 V rated value	160 kW
at AC-3e  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value  110 000 VA  operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value  110 000 VA  oup to 500 V for current peak value n=30 rated value  110 000 VA  oup to 690 V for current peak value n=30 rated value  110 000 VA  oup to 690 V for current peak value n=30 rated value  110 000 VA  oup to 690 V for current peak value n=30 rated value  110 000 VA  oup to 690 V for current peak value n=30 rated value  110 000 VA	— at 690 V rated value	200 kW
- at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 400 V rated value - at 690 V rate	— at 1000 V rated value	90 kW
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value 90 kW  operating power for approx. 200000 operating cycles at AC- 4  • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value  • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value  110 000 VA  operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value	• at AC-3e	
- at 500 V rated value - at 690 V rated value 200 kW - at 1000 V rated value 90 kW   operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • at 690 V roc drated value  • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value  • up to 230 V for current peak value n=20 rated value  • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value	— at 230 V rated value	55 kW
- at 690 V rated value - at 1000 V rated value 90 kW  operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  82 kW  operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value	— at 400 V rated value	110 kW
operating power for approx. 200000 operating cycles at AC-  at 400 V rated value at 690 V rated value at 690 V rated value be at 690 V rated value  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 110 000 VA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 110 000 VA  up to 500 V for current peak value n=30 rated value 110 000 VA  up to 690 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value 140 000 VA  up to 1000 V for current peak value n=30 rated value 110 000 VA	— at 500 V rated value	160 kW
operating power for approx. 200000 operating cycles at AC- 4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value	— at 690 V rated value	200 kW
at 400 V rated value at 690 V rated value by at 690 V rated value  operating apparent power at AC-6a  up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 110 000 VA  operating apparent power at AC-6a  up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value 110 000 VA  up to 500 V for current peak value n=30 rated value 110 000 VA  up to 690 V for current peak value n=30 rated value 140 000 VA  up to 690 V for current peak value n=30 rated value 110 000 VA	— at 1000 V rated value	90 kW
<ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>82 kW</li> </ul> Operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>110 000 VA</li> </ul>		
at 690 V rated value      poerating apparent power at AC-6a      up to 230 V for current peak value n=20 rated value     up to 400 V for current peak value n=20 rated value     up to 500 V for current peak value n=20 rated value     up to 690 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value     up to 1000 V for current peak value n=20 rated value     up to 230 V for current peak value n=30 rated value     up to 400 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     up to 500 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     up to 690 V for current peak value n=30 rated value     up to 1000 V for current peak value n=30 rated value     up to 1000 V for current peak value n=30 rated value     110 000 VA		54100
operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 690 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 1000 V for current peak value n=20 rated value  • up to 230 V for current peak value n=30 rated value  • up to 400 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 500 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 690 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated value		
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>110 000 V A</li> </ul>		82 KW
<ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>110 000 V A</li> </ul>		00.000 1.74
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<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>110 000 V A</li> </ul>	· ·	
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<ul> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>110 000 VA</li> </ul>	· ·	
• up to 1000 V for current peak value n=30 rated value 110 000 VA	· ·	
	· ·	
short-time withstand current in cold operating state up to		110 000 VA
	snort-time withstand current in cold operating state up to	

40 °C	4 000 A. U winimum annu antique and to A.O. A material value	
limited to 1 s switching at zero current maximum	4 000 A; Use minimum cross-section acc. to AC-1 rated value	
limited to 5 s switching at zero current maximum	2 807 A; Use minimum cross-section acc. to AC-1 rated value	
limited to 10 s switching at zero current maximum	2 082 A; Use minimum cross-section acc. to AC-1 rated value	
limited to 30 s switching at zero current maximum	1 397 A; Use minimum cross-section acc. to AC-1 rated value	
Iimited to 60 s switching at zero current maximum	1 144 A; Use minimum cross-section acc. to AC-1 rated value	
no-load switching frequency	0.000 4 11	
• at AC	2 000 1/h	
• at DC	2 000 1/h	
operating frequency		
• at AC-1 maximum	750 1/h	
• at AC-2 maximum	250 1/h	
• at AC-3 maximum	500 1/h	
• at AC-3e maximum	500 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	575 600 V	
at 60 Hz rated value	575 600 V	
control supply voltage at DC		
rated value	575 600 V	
operating range factor control supply voltage rated value of magnet coil at DC		
-	0.0	
• initial value	0.8	
• full-scale value	1.1	
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		
at minimum rated control supply voltage at AC		
— at 50 Hz	490 VA	
— at 60 Hz	490 VA	
at maximum rated control supply voltage at AC		
— at 60 Hz	590 VA	
— at 50 Hz	590 VA	
apparent pick-up power of magnet coil at AC		
● at 50 Hz	590 VA	
● at 60 Hz	590 VA	
inductive power factor with closing power of the coil		
• at 50 Hz	0.9	
• at 60 Hz	0.9	
apparent holding power		
at minimum rated control supply voltage at DC	6.1 VA	
at maximum rated control supply voltage at DC	7.4 VA	
apparent holding power		
at minimum rated control supply voltage at AC		
— at 50 Hz	5.6 VA	
— at 60 Hz	5.6 VA	
at maximum rated control supply voltage at AC		
— at 50 Hz	6.7 VA	
— at 60 Hz	6.7 VA	
apparent holding power of magnet coil at AC		
• at 50 Hz	6.7 VA	
● at 60 Hz	6.7 VA	
inductive power factor with the holding power of the coil		
• at 50 Hz	0.9	
• at 60 Hz	0.9	
closing power of magnet coil at DC	650 W	
<u> </u>		

holding power of magnet coil at DC	7.4 W
closing delay	
• at AC	30 95 ms
• at DC	30 95 ms
opening delay	
• at AC	40 80 ms
• at DC	40 80 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts instantaneous contact	2
operational current at AC-12 maximum	10 A
operational 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
operational 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	1A
at 600 V rated value	0.15 A
operational current at DC-13	U.IUA
• at 24 V rated value	10 A
at 48 V rated value     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 3-phase AC motor	
at 480 V rated value	180 A
at 600 V rated value	192 A
yielded mechanical performance [hp]	
• for 3-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	gG: 500 A (690 V, 100 kA)
— with type of assignment 2 required	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)
• for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm
*******	

depth	202 mm		
required spacing			
with side-by-side mounting			
— forwards	20 mm		
— upwards	20 mm		
— dpwards			
— at the side	10 mm		
	O THILL		
<ul><li>for grounded parts</li><li>— forwards</li></ul>	20		
— upwards	20 mm 10 mm		
— upwards — at the side			
	10 mm		
— downwards	10 mm		
• for live parts	22		
— forwards	20 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	10 mm		
Connections/ Terminals			
type of electrical connection			
for main current circuit	Connection bar		
for auxiliary and control circuit	screw-type terminals		
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals		
of magnet coil	Screw-type terminals		
width of connection bar	25 mm		
thickness of connection bar	6 mm		
diameter of holes	11 mm		
number of holes	1		
connectable conductor cross-section for main contacts			
stranded	70 240 mm²		
connectable conductor cross-section for auxiliary contacts			
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²		
finely stranded with core end processing	0.5 2.5 mm²		
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)		
— solid or 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)		
for AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12		
AWG number as coded connectable conductor cross section			
for auxiliary contacts	18 14		
Safety related data	10 11		
product function			
mirror contact according to IEC 60947-4-1	Yes		
<ul> <li>positively driven operation according to IEC 60947-5-1</li> </ul>	No		
suitability for use safety-related switching OFF	Yes		
B10 value with high demand rate according to SN 31920	1 000 000		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover		
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
Certificates/ approvals			
General Product Approval			
The state of the s			



Confirmation





KC



EMC Functional Safety/Safety of Ma-	Declaration of Conformity	Test Certificates
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Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping

other











Miscellaneous

other			Railway		Environment
Confirmation	Miscellaneous	Confirmation	Vibration and Shock	Special Test Certific- ate	Environmental Confirmations

## Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1064-6AT36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6AT36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AT36

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

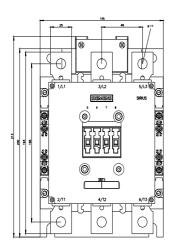
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6AT36&lang=en

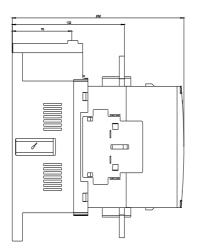
Characteristic: Tripping characteristics, I²t, Let-through current

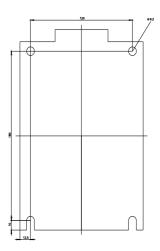
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AT36/char

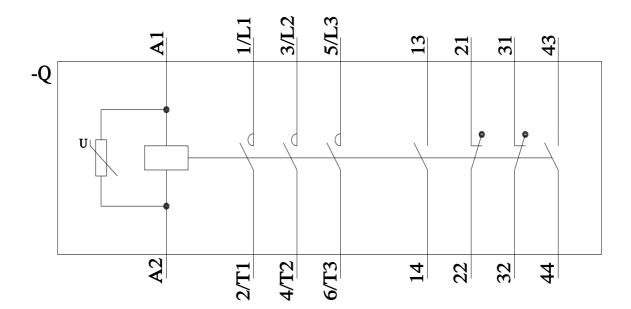
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AT36&objecttype=14&gridview=view1



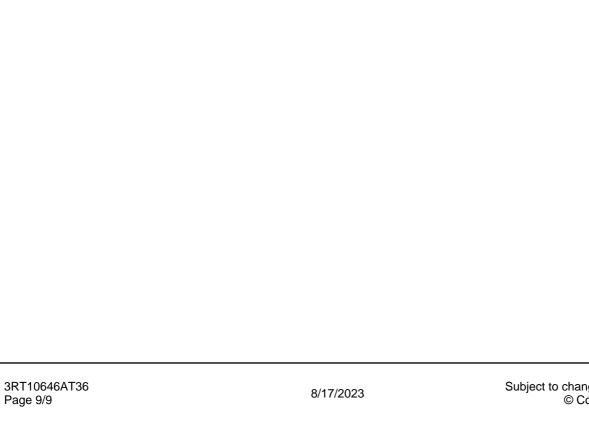






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