SIEMENS

Data sheet 3RT1064-2AM36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 200-220 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: spring-loaded terminal

product brand name	SIRIUS	
product designation	Power contactor	
product type designation	3RT1	
General technical data		
size of contactor	S10	
product extension		
 function module for communication 	No	
auxiliary switch	Yes	
power loss [W] for rated value of the current		
 at AC in hot operating state 	51 W	
 at AC in hot operating state per pole 	17 W	
 without load current share typical 	7.4 W	
insulation voltage		
 of main circuit with degree of pollution 3 rated value 	1 000 V	
 of auxiliary circuit with degree of pollution 3 rated value 	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	
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000	
 of the contactor with added auxiliary switch block typical 	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		
 during operation 	-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
 up to 1000 V at ambient temperature 40 °C rated value 	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
 up to 1000 V for current peak value n=20 rated value 	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
 up to 1000 V for current peak value n=30 rated value 	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
	 with 3 current paths in series at DC-1 	
	— 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 400 V rated value 14.4 A — at 800 V rated value 200 A — at 200 V rated value 200 A — at 800 V rated value 300 KW — at 600 V rated value 300 KW — at 800 V rated value 300 KW — at 900 V rated value 3	— at 440 V rated value	11 A
	— at 600 V rated value	4 A
	 at 1 current path at DC-3 at DC-5 	
- 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	 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 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	 with 3 current paths in series at DC-3 at DC-5 	
- 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 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=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 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 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	— 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 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 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 90 000 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 • 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 operating apparent power at AC-6a • up to 500 V for current peak value n=30 rated value 40 000 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	— 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 690 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 100 000 VA • up to 1000 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 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 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 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 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 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 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
 at 400 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 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 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 110 000 VA 		
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		
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 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=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 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 110 000 V A 		00.000 1.74
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 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 1000 V for current peak value n=30 rated value 110 000 VA 200 000 VA up to 1000 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 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value 140 000 VA 200 000 VA 110 000 VA 	· ·	
 up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value 110 000 VA 	· ·	
• 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			
 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		
 limited 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			
• 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	100 1/11		
type of voltage of the control supply voltage	AC/DC		
	AGIDO		
control supply voltage at AC • at 50 Hz rated value	200 220 V		
at 50 Hz rated value at 60 Hz rated value	200 220 V 200 220 V		
	200 220 V		
control supply voltage at DC	200 220 V		
• rated value	200 220 V		
operating range factor control supply voltage rated value of magnet coil at DC			
• 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	5.5		
— at 50 Hz	6.7 VA		
— at 60 Hz	6.7 VA		
apparent holding power of magnet coil at AC	J		
• at 50 Hz	6.7 VA		
• at 60 Hz	6.7 VA 6.7 VA		
inductive power factor with the holding power of the coil	0.1 171		
at 50 Hz	0.0		
	0.9		
• at 60 Hz	0.9		
closing power of magnet coil at DC	650 W		

halding a superference of the Control of the Contro	7.4W		
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	1 A		
at 600 V rated value	0.15 A		
operational 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	1A		
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	Triadity Switching per 100 million (17 V, 1 m/V)		
full-load current (FLA) for 3-phase AC motor			
at 480 V rated value	180 A		
	192 A		
at 600 V rated value Violded machanical performance [hp]	132 A		
yielded mechanical performance [hp]			
• for 3-phase AC motor	60 hp		
— 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 required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — upwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — upwards — upwards — upwards — upwards — downwards — at the side Connections/ Terminals	20 mm 10 mm 10 mm 0 mm 20 mm 10 mm		
with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — upwards — at the side — downwards — at the side Connections/ Terminals	10 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
 — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards — at the side — downwards — at the side 	10 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
- upwards - downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - at the side - downwards - for live parts - forwards - upwards - upwards - downwards - downwards - at the side Connections/ Terminals	10 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
- downwards - at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - upwards - at the side - downwards - upwards - downwards - at the side Connections/ Terminals	10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm		
- at the side • for grounded parts - forwards - upwards - at the side - downwards • for live parts - forwards - upwards - upwards - downwards - at the side Connections/ Terminals	0 mm 20 mm 10 mm 10 mm 20 mm 10 mm 10 mm		
for grounded parts — forwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards — at the side Connections/ Terminals	20 mm 10 mm 10 mm 20 mm 10 mm 10 mm		
— forwards — upwards — at the side — downwards • for live parts — forwards — upwards — downwards — downwards — at the side Connections/ Terminals	10 mm 10 mm 10 mm 20 mm 10 mm		
 — upwards — at the side — downwards • for live parts — forwards — upwards — downwards — at the side Connections/ Terminals	10 mm 10 mm 10 mm 20 mm 10 mm		
 — at the side — downwards • for live parts — forwards — upwards — downwards — at the side Connections/ Terminals	10 mm 10 mm 20 mm 10 mm 10 mm		
— downwards • for live parts — forwards — upwards — downwards — at the side Connections/ Terminals	10 mm 20 mm 10 mm 10 mm		
for live parts — forwards — upwards — downwards — at the side Connections/ Terminals	20 mm 10 mm 10 mm		
forwards upwards downwards at the side Connections/ Terminals	10 mm 10 mm		
upwards downwards at the side Connections/ Terminals	10 mm 10 mm		
— downwards — at the side Connections/ Terminals	10 mm		
— at the side Connections/ Terminals			
Connections/ Terminals	10 mm		
time of electrical compaction			
type of electrical connection			
for main current circuit	Connection bar		
 for auxiliary and control circuit 	spring-loaded terminals		
 at contactor for auxiliary contacts 	Spring-type terminals		
of magnet coil	Spring-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			
 solid or stranded 	0.25 2.5 mm²		
 finely stranded with core end processing 	0.25 1.5 mm²		
 finely stranded without core end processing 	0.25 2.5 mm²		
type of connectable conductor cross-sections			
for auxiliary contacts			
— solid	2x (0.25 2.5 mm²)		
— solid or stranded	2x (0,25 2,5 mm²)		
 finely stranded with core end processing 	2x (0.25 1.5 mm²)		
finely stranded without core end processing	2x (0.25 2.5 mm²)		
for AWG cables for auxiliary contacts	2x (24 14)		
AWG number as coded connectable conductor cross			
section			
for auxiliary contacts	24 14		
Safety related data			
product function			
 mirror contact according to IEC 60947-4-1 	Yes		
 positively driven operation according to IEC 60947-5-1 	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			





Confirmation



<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping

other









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Miscellaneous

firmations

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

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=3RT1064-2AM36

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1064-2AM36}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-2AM36

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

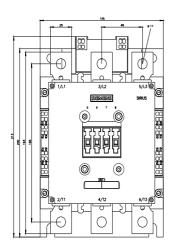
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1064-2AM36&lang=er

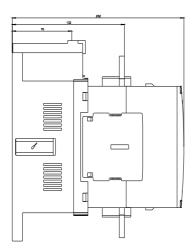
Characteristic: Tripping characteristics, I2t, Let-through current

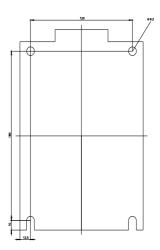
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-2AM36/char

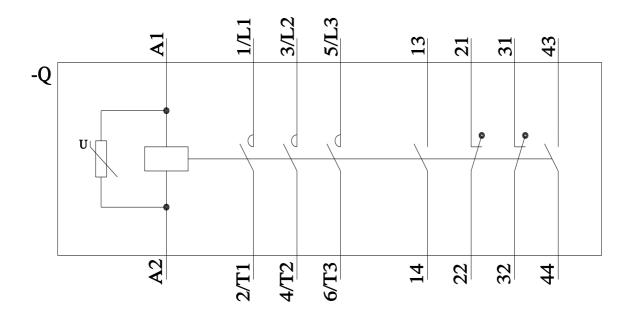
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-2AM36&objecttype=14&gridview=view1



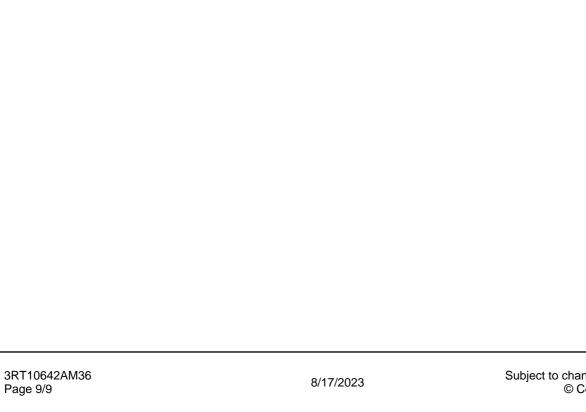






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