SIEMENS

Data sheet 3RT1064-2AR36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 440-480 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 300 V rated value 200 A — at 440 V rated value 30 V rated value 200 A — at 400 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
	 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-5 300 A — at 24 V rated value 200 A — at 20 V rated value 200 A — at 24 V rated value 200 A — at 400 V rated value 205 W — at 300 V rated value 10 kW — at 200 V rated value 20 kW — at 600 V rated value	— at 220 V rated value	0.6 A
	— at 440 V rated value	0.17 A
	— at 600 V rated value	0.12 A
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 rot 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 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 • 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	— 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 90 000 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 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 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 • 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 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 110 000 V A	— 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 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 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 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 1000 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 120 000 V A 130 000 V A 140 000 V A<!--</td--><td></td><td></td>		
 up to 1000 V for current peak value n=20 rated value 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 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 1000 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 	· ·	
 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 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 1000 V for current peak value n=30 rated value 110 000 VA 110 000 VA 	· ·	
 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 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 110 000 VA 	· · · · · · · · · · · · · · · · · · ·	110 000 VA
 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	4 000 A. U
Iimited to 1 s switching at zero current maximum	4 000 A; Use minimum cross-section acc. to AC-1 rated value
Iimited 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
Iimited 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	
• 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	440 480 V
at 60 Hz rated value	440 480 V
control supply voltage at DC	
rated value	440 480 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	1.1
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	
closing power of magnet coil at DC	0.9

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	1A
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 175 V rated value at 125 V rated value	2 A
at 220 V rated value	1A
at 600 V rated value	0.15 A
	0.13 A
operational current at DC-13	40.4
• 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 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	3
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
	210 mm
height width	145 mm
	145 100

depth	202 mm
required spacing	
 with side-by-side mounting 	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
onnections/ Terminals	
ype 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	1
	70 240 mm²
stranded connectable conductor cross-section for auxiliary contacts	70 240 11111
solid or stranded	0.25 2.5 mm ²
	0.25 2.5 11111
	0.05 4.52
• finely stranded with core end processing	0.25 1.5 mm ²
finely stranded with core end processingfinely stranded without core end processing	0.25 1.5 mm ² 0.25 2.5 mm ²
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections	
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts	0.25 2.5 mm ²
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid	0.25 2.5 mm ² 2x (0.25 2.5 mm ²)
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded	0.25 2.5 mm ² 2x (0.25 2.5 mm ²) 2x (0,25 2,5 mm ²)
• finely stranded with core end processing • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing	2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²)
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts	2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing of AWG cables for auxiliary contacts	2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²)
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross	2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections	0.25 2.5 mm ² 2x (0.25 2.5 mm ²) 2x (0,25 2,5 mm ²) 2x (0.25 1.5 mm ²) 2x (0.25 2.5 mm ²) 2x (0.25 2.15 mm ²) 2x (24 14)
finely stranded with core end processing finely stranded without core end processing pre of connectable conductor cross-sections	2x (0.25 2.5 mm²) 2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²)
finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts AWG related data	0.25 2.5 mm ² 2x (0.25 2.5 mm ²) 2x (0,25 2,5 mm ²) 2x (0.25 1.5 mm ²) 2x (0.25 2.5 mm ²) 2x (0.25 2.15 mm ²) 2x (24 14)
• finely stranded with core end processing • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts	0.25 2.5 mm ² 2x (0.25 2.5 mm ²) 2x (0,25 2,5 mm ²) 2x (0.25 1.5 mm ²) 2x (0.25 2.5 mm ²) 2x (24 14)
• finely stranded with core end processing • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing • for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0.25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (0.24 14) Yes
finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts Are related data Product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0.25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (0.24 14) Yes No
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) Yes No Yes
• finely stranded with core end processing • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0.25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) Yes No Yes 1 000 000
finely stranded with core end processing finely stranded without core end processing type of connectable conductor cross-sections for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0,25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) Yes No Yes
• finely stranded with core end processing • finely stranded without core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid — solid or stranded — finely stranded with core end processing — finely stranded without core end processing — for AWG cables for auxiliary contacts AWG number as coded connectable conductor cross section • for auxiliary contacts afety related data product function • mirror contact according to IEC 60947-4-1 • positively driven operation according to IEC 60947-5-1 suitability for use safety-related switching OFF B10 value with high demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC	0.25 2.5 mm² 2x (0.25 2.5 mm²) 2x (0.25 2,5 mm²) 2x (0.25 1.5 mm²) 2x (0.25 2.5 mm²) 2x (24 14) Yes No Yes 1 000 000



Confirmation





<u>KC</u>



EMC

Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates



Type Examination Certificate





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>

Marine / Shipping













Miscellaneous

other	Railway	Environment

Confirmation Confirmation **Miscellaneous** Special Test Certific-Vibration and Shock **Environmental Con-**<u>ate</u> **firmations**

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)

om/mall/en/en/Catalog/product?mlfb=3RT1064-2AR36

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1064-2AR36}$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-2AR36

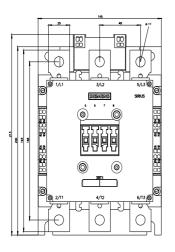
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

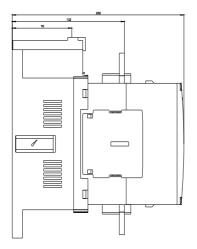
Characteristic: Tripping characteristics, I2t, Let-through current

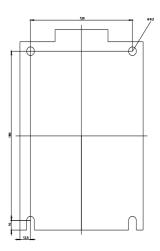
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-2AR36/char

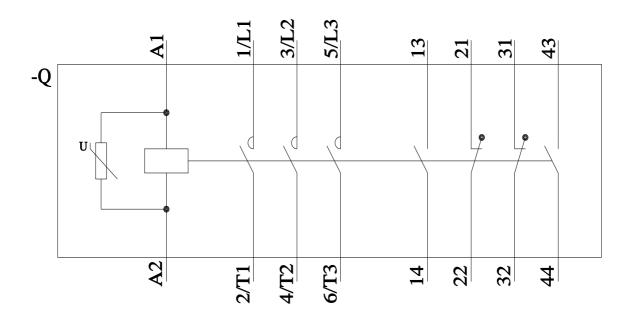
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-2AR36&objecttype=14&gridview=view1



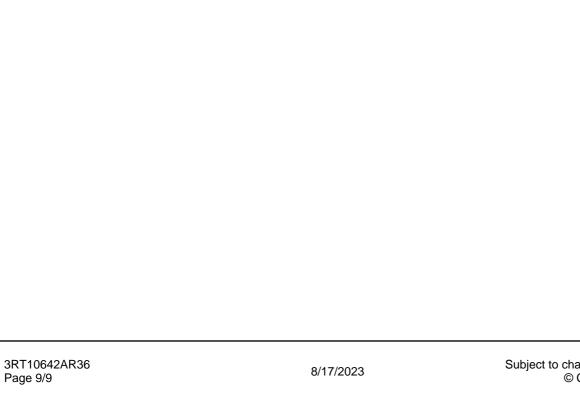






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