## **SIEMENS**

Data sheet 3RT1064-6AD36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 42-48 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	
Seneral 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	
<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		
• 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	
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	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	
mbient 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
— at 220 V rated value	20 A
— at 440 V rated value	3.2 A
— at 600 V rated value	1.6 A
<ul> <li>with 3 current paths in series at DC-1</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	200 A
— 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 24 V rated value	200 A
— at 60 V rated value	7.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.17 A
— at 600 V rated value	0.12 A
<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
<ul> <li>with 3 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	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• 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 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	200 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
4 a at 400 V rated value	54 kW
• at 400 V rated value	
at 690 V rated value  operating apparent power at AC-6a	82 kW
	00 000 kV/A
<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> </ul>	90 000 kVA 150 000 VA
· ·	
<ul> <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> </ul>	190 000 VA 260 000 VA
<ul> <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> </ul>	110 000 VA
operating apparent power at AC-6a	110 000 VA
up to 230 V for current peak value n=30 rated value	60 000 VA
<ul> <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> </ul>	60 000 VA 110 000 VA
<ul> <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> </ul>	140 000 VA
<ul> <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> </ul>	200 000 VA
<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> </ul>	110 000 VA
short-time withstand current in cold operating state up to	110 000 1/1
Short-time withstand current in cold operating State up to	

Finited to 1 s witching at zero current maximum   Invited to 5 s witching at zero current maximum   Invited to 5 s witching at zero current maximum   207 A. Use minimum cross-section acc. to AC-1 rated value   207 A. Use minimum cross-section a	400			
Initiated to 5 is switching at zero current maximum   2 802 A. Use minimum cross-section acc. to AC-1 related value   1 mineted to 30 is switching at zero current maximum   1 397 A. Use minimum cross-section acc. to AC-1 related value   1 mineted to 30 is switching at zero current maximum   1 397 A. Use minimum cross-section acc. to AC-1 related value   1 mineted to 30 is switching at zero current maximum   1 144 A. Use minimum cross-section acc. to AC-1 related value   1 mineted to 30 is switching at zero current maximum   1 144 A. Use minimum cross-section acc. to AC-1 related value   1 mineted to 30 is worth and zero current maximum   2 000 th   2	40 °C	4 000 A. H		
Initiated to 10 a switching at zero current maximum   1 397 A. Lise minimum cross-section acc. to AC-1 rated value   1 144 A. Lise minimum cross-section acc. to AC-1 rated value   1 144 A. Lise minimum cross-section acc. to AC-1 rated value   1 144 A. Lise minimum cross-section acc. to AC-1 rated value   1 144 A. Lise minimum cross-section acc. to AC-1 rated value   2 000 14h				
Insinited to 30 s switching at zero current maximum	-			
-	-			
	-			
* al AC		1 144 A; Use minimum cross-section acc. to AC-1 rated value		
a. a AC-1 maximum         750 1/h           a. d AC-2 maximum         250 1/h           a. d AC-3 maximum         500 1/h           b. d AC-3 maximum         ACDIC           Control supply voltage at AC         4 maximum           b. d Sol Hz rated value         42 maximum           b. at 50 Hz rated value         42 maximum           control supply voltage at AC         42 maximum           b. at 50 Hz rated value         42 maximum           control supply voltage at AC         42 maximum           b. at 50 Hz rated value         42 maximum           control supply voltage rated value of magnet coll at AC         42 maximum           b. initial value         0.8           b. at 50 Hz         40 Mx           b. at 50 Hz         400 VX           b. at 50 Hz         500 VX           b. at 50 Hz         500 VX           b. at 60 Hz         500 VX           b. at 60 Hz         500 VX           b. at 60 H				
Part				
* al AC-1 maximum		2 000 1/h		
• at AC4 maximum         130 1/h           Control circuit/ Control type of voltage of the control supply voltage at AC         AC/IDC           control supply voltage at AC         4 ± 8 V           • at 50 Hz rated value         42 48 V           • at 60 Hz rated value         42 48 V           operating range factor control supply voltage rated value of majent coil at AC         8 1.1           • initial value         0.8           • initial va				
Control circuit/ Control         AC/DC           type of voltage of the control supply voltage         AC/DC           control supply voltage at AC         42 48 V           • at 60 Hz rated value         42 48 V           • control supply voltage at DC         • taled value           • fall-rated value         42 48 V           • practing range factor control supply voltage rated value of magnet coil at DC         0.8           • full-rated value         0.8           • full-rated value         1.1           operating range factor control supply voltage rated value of magnet coil at AC         0.8 1.1           • at 50 Hz         0.8 1.1           • at 50 Hz         0.8 1.1           • at 60 Hz         0.8 1.1           • at 50 Hz         490 VA           • at 50 Hz         490 VA           • at 50 Hz         590 VA           • at 50 Hz         90 VA           • at 50 Hz         0.9           • at 60 Hz         0.9           • at 50 Hz         0.9           • at 60 Hz         56 VA           • at maximum rated control supply volt				
type of voltage of the control supply voltage at AC         4248 V           a dt 50 Hz rated value         4248 V           a control supply voltage at DC         4248 V           or rated value         4248 V           operating range factor control supply voltage rated value of magnet coil at DC         4248 V           operating range factor control supply voltage rated value of magnet coil at AC         0.81.1           a full-scale value         1.1           Opportunity range factor control supply voltage rated value of magnet coil at AC         0.81.1           a at 50 Hz         0.81.1           a st 60 Hz         490 VA           a transminum rated control supply voltage at AC         490 VA           - at 50 Hz         490 VA           - at 50 Hz         590 VA           - at 50 Hz         90 VA           - at 60 Hz         590 VA           - at 50 Hz         0.9           - at 60 Hz         590 VA           - at 60 Hz         50 VA     <		130 1/h		
Section   Supply voltage at AC	Control circuit/ Control			
• at 50 Hz rated value 42 48 V  • at 60 Hz rated value 42 48 V  control supply voltage at DC  • rated value 42 48 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 DC  • initial value 0.8 1.1  • at 60 Hz 0.8 1.1  • at 60 Hz 0.8 1.1  • at 60 Hz 0.8 1.1  • at 100 Hz 0.9 VA  — at 60 Hz 0.9 VA  — at 60 Hz 0.9 VA  • at 100 Hz 0.9 VA  • at 100 Hz 0.9 VA  • at 60 Hz 0.9 VA  • at 100 Hz 0.9 VA  •	type of voltage of the control supply voltage	AC/DC		
• at 60 Hz rated value  operating range factor control supply voltage rated value of anginot coil at DC  • initial value  • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • initial value  • full-scale value  operating range factor control supply voltage rated value of magnet coil at AC  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 80 Hz  • a				
Control supply voltage at DC	at 50 Hz rated value			
• rated value		42 48 V		
operating range factor control supply voltage rated value of magnet coll at DC  • Initial value	control supply voltage at DC			
magnet coll at DC     minital value   0.8     millut-scale value   1.1     operating range factor control supply voltage rated value of magnet coll at AC     at 50 Hz   0.8 1.1     at 60 Hz   0.8 1.1     at 61 Hz   0.8 1.1     at 70 Hz   0.8 1.1     at 80 Hz   0.8 1.1     at minimum rated control supply voltage at AC     at 50 Hz   490 VA     at maximum rated control supply voltage at AC     at 60 Hz   490 VA     at maximum rated control supply voltage at AC     at 60 Hz   590 VA     at 50 Hz   590 VA     at 80 Hz   690 V	rated value	42 48 V		
• full-scale value     operating range factor control supply voltage rated value of magnet coll at AC     • at 50 Hz				
operating range factor control supply voltage rated value of magnet coil at AC         a. 85 0 Hz         0.8 1.1           • at 50 Hz         0.8 1.1         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 60 Hz         — at 60 Hz           — at 60 Hz         590 VA         — at 50 Hz         — at 50 Hz           — at 50 Hz         590 VA         — at 50 Hz         — at 50 Hz           — at 50 Hz         590 VA         — at 60 Hz         — at 50 Hz           • at 50 Hz         590 VA         — at 60 Hz         — at 60 Hz           • at 50 Hz         590 VA         — at 60 Hz         — at 60 Hz           • at 50 Hz         0.9         — at 60 Hz         — at 60 Hz           • at maximum rated control supply voltage at DC         6.1 VA         — at maximum rated control supply voltage at DC         4.1 VA           • at maximum rated control supply voltage at AC         — at 50 Hz         — at 60 Hz         6.7 VA           • at maximum rated control supply voltage at AC         — at 50 Hz         6.7 VA           • at 50 Hz         — at 60 Hz         6.7 VA	• initial value	0.8		
magnet coil at AC	• full-scale value	1.1		
• at 60 Hz   0.8 1.1				
design of the surge suppressor  apparent pick-up power  at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz — at 60 Hz — at 50 Hz — at 50 Hz — at 50 Hz — at 50 Hz  • at 80 Hz  • at 80 Hz  • at 60 Hz  • at 60 Hz   apparent pick-up power of magnet coil at AC  — at 50 Hz • at 50 Hz • at 50 Hz • at 60 Hz  10ductive power factor with closing power of the coil  • at 50 Hz • at 60 Hz  apparent holding power  • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at 50 Hz  • at 60 Hz  • at 60 Hz   6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz  0.9  0.9	● at 50 Hz	0.8 1.1		
apparent pick-up power  • at minimum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 60 Hz  — at 50 Hz  • at 60 Hz  • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at AC  — at 50 Hz  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  — at 60 Hz  • at 50 Hz  — at 60 Hz  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz	● at 60 Hz	0.8 1.1		
• at minimum rated control supply voltage at AC         — at 50 Hz         — at 60 Hz         • at maximum rated control supply voltage at AC         — at 60 Hz         — at 60 Hz         — at 50 Hz         — at 50 Hz         — at 50 Hz         — at 50 Hz  apparent pick-up power of magnet coil at AC         • at 50 Hz         • at 60 Hz	design of the surge suppressor	with varistor		
- at 50 Hz	apparent pick-up power			
- at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  — at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz  • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  0.9  0.9	<ul> <li>at minimum rated control supply voltage at AC</li> </ul>			
at maximum rated control supply voltage at AC  — at 60 Hz — at 50 Hz  apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 50 Hz • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at 60 Hz  • at maximum rated control supply voltage at DC • at minimum rated control supply voltage at DC  • at maximum rated control supply voltage at DC  • at minimum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  • at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  0.9  0.9	— at 50 Hz	490 VA		
at 50 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 9.9  • at 60 Hz 0.9  apparent holding power  • at minimum rated control supply voltage at DC 7.4 VA  apparent holding power  • at minimum 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 maximum rated control supply voltage at AC 6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz 6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz 6.7 VA  at 60 Hz 6.7 VA  • at 60 Hz 0.9  inductive power factor with the holding power of the coil  • at 50 Hz 9.9  • at 60 Hz 0.9	— at 60 Hz	490 VA		
apparent pick-up power of magnet coil at AC  • at 50 Hz  • at 60 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz  • at 60 Hz  apparent holding power  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at DC  • at minimum rated control supply voltage at AC  — at 50 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz  — at 60 Hz  • at 50 Hz  • at 50 Hz  • at 60 Hz  • at 50 Hz  • at 60 Hz	<ul> <li>at maximum rated control supply voltage at AC</li> </ul>			
apparent pick-up power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with closing power of the coil • at 50 Hz • at 60 Hz  • at 60 Hz  apparent holding power  • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC  - at 50 Hz - at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz - at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz - at 60 Hz  apparent holding power of magnet coil at AC  - at 50 Hz - at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.9  0.9	— at 60 Hz	590 VA		
	— 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   7.4 VA     apparent holding power     • at minimum 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 maximum rated control supply voltage at AC   6.7 VA     • at maximum rated control supply voltage at AC   6.7 VA     apparent holding power of magnet coil at AC   6.7 VA     apparent holding power of magnet coil at AC   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	apparent pick-up power of magnet coil at AC			
inductive power factor with closing power of the coil  at 50 Hz  at 60 Hz  20.9  apparent holding power  at minimum rated control supply voltage at DC  at maximum rated control supply voltage at DC  at minimum rated control supply voltage at DC  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  at maximum rated control supply voltage at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power factor with the holding power of the coil  at 50 Hz  at 60 Hz  0.9  0.9	● at 50 Hz	590 VA		
<ul> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>apparent holding power</li> <li>at minimum rated control supply voltage at DC</li> <li>at maximum rated control supply voltage at DC</li> <li>at minimum rated control supply voltage at DC</li> <li>at minimum rated control supply voltage at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>at maximum rated control supply voltage at AC</li> <li>at maximum rated control supply voltage at AC</li> <li>at maximum rated control supply voltage at AC</li> <li>at 50 Hz</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>6.7 VA</li> <li>apparent holding power of magnet coil at AC</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>for VA</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.9</li> <li>at 60 Hz</li> </ul>		590 VA		
apparent holding power  at minimum rated control supply voltage at DC  at maximum rated control supply voltage at DC  apparent holding power  at minimum rated control supply voltage at AC  at 50 Hz  at 60 Hz  5.6 VA  at maximum rated control supply voltage at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  o at 60 Hz  6.7 VA  o at 60 Hz  0.9  o at 50 Hz  o 0.9				
apparent holding power  • at minimum rated control supply voltage at DC • at maximum rated control supply voltage at DC  apparent holding power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at 60 Hz  • at 50 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  • at 50 Hz • at 60 Hz  • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  • at 60 Hz  0.9	● at 50 Hz	0.9		
at minimum rated control supply voltage at DC at maximum rated control supply voltage at DC  apparent holding power  at minimum rated control supply voltage at AC  at 50 Hz at 60 Hz  at 50 Hz at 60 Hz  at 60 Hz	● at 60 Hz	0.9		
apparent holding power  at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  at 50 Hz  at 60 Hz  6.7 VA  6.7 VA  apparent holding power of magnet coil at AC  at 60 Hz  6.7 VA  at 60 Hz  0.9  at 60 Hz  0.9				
apparent holding power  • at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  • at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  6.7 VA  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.9	***	6.1 VA		
at minimum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  at maximum rated control supply voltage at AC — at 50 Hz — at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz at 60 Hz  6.7 VA		7.4 VA		
- 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				
- at 60 Hz  • at maximum rated control supply voltage at AC  - at 50 Hz - at 60 Hz  6.7 VA  apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.9 • at 60 Hz	<ul> <li>at minimum rated control supply voltage at AC</li> </ul>			
at maximum rated control supply voltage at AC  — at 50 Hz — at 60 Hz  apparent holding power of magnet coil at AC  at 50 Hz  at 50 Hz  6.7 VA  6.7 VA  6.7 VA  6.7 VA  inductive power factor with the holding power of the coil  at 50 Hz  out 50 Hz  0.9  out 60 Hz  0.9				
- at 50 Hz - at 60 Hz  apparent holding power of magnet coil at AC		5.6 VA		
— at 60 Hz  apparent holding power of magnet coil at AC				
apparent holding power of magnet coil at AC  • at 50 Hz • at 60 Hz  inductive power factor with the holding power of the coil • at 50 Hz • at 60 Hz  0.9 • at 60 Hz				
at 50 Hz  at 60 Hz  6.7 VA  6.7 VA  inductive power factor with the holding power of the coil  at 50 Hz  at 60 Hz  0.9  at 60 Hz  0.9		6.7 VA		
<ul> <li>at 60 Hz</li> <li>inductive power factor with the holding power of the coil</li> <li>at 50 Hz</li> <li>at 60 Hz</li> <li>0.9</li> <li>0.9</li> </ul>				
inductive power factor with the holding power of the coil  • at 50 Hz  • at 60 Hz  0.9  0.9	● at 50 Hz	6.7 VA		
• at 50 Hz 0.9 0.9 0.9		6.7 VA		
• at 60 Hz 0.9	inductive power factor with the holding power of the coil			
	● at 50 Hz	0.9		
closing power of magnet coil at DC 650 W		0.9		
	closing power of magnet coil at DC	650 W		

halding a constant of the cons	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	0.1071		
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     at 110 V rated value	1A		
at 110 V rated value     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			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
<ul> <li>— with type of coordination 1 required</li> </ul>	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	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			
Connections/ Terminals				
type of electrical connection				
for main current circuit	Connection bar			
for auxiliary and control circuit	screw-type terminals			
at contactor for auxiliary contacts	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			
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²			
type of connectable conductor cross-sections				
<ul> <li>for auxiliary contacts</li> </ul>				
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)			
<ul> <li>solid or stranded</li> </ul>	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				
product function				
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	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			
	20 a			
T1 value for proof test interval or service life according to IEC 61508				
	IP00; IP20 with box terminal/cover			
61508	IP00; IP20 with box terminal/cover finger-safe, for vertical contact from the front with box terminal/cover			
protection class IP on the front according to IEC 60529				

## General Product Approva



Confirmation





<u>KC</u>





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=3RT1064-6AD36

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT1064-6AD36}}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AD36

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

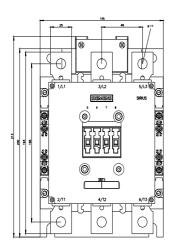
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6AD36&lang=en

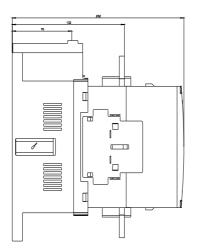
Characteristic: Tripping characteristics, I²t, Let-through current

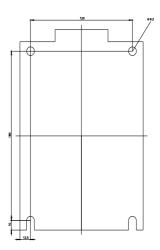
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AD36/char

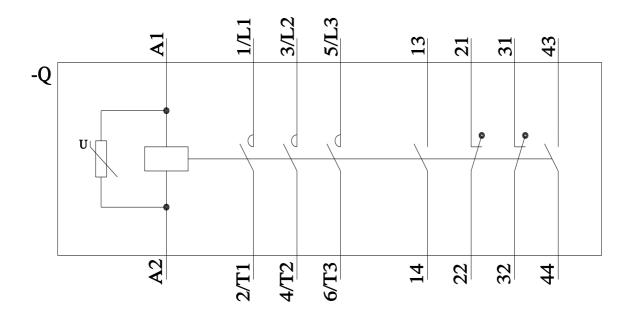
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AD36&objecttype=14&gridview=view1



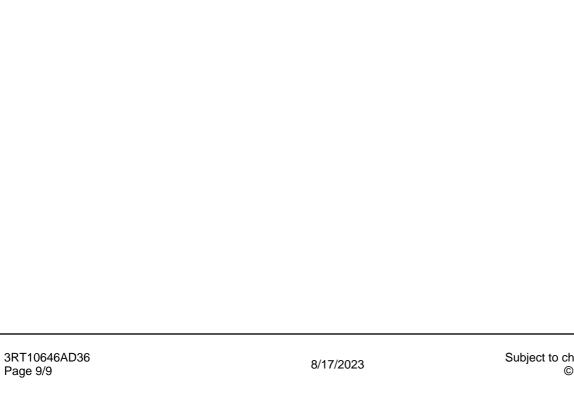






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