## **SIEMENS**

Data sheet 3RT1064-6AF36



Power contactor, AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC operation 110-127 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S10 Busbar connections Drive: conventional screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current at AC in hot operating state	51 W
• per pole	17 W
power loss [W] for rated value of the current without load current share typical	7.4 W
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. 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 (switching cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code acc. to IEC 81346-2	Q
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature during operation	-25 +60 °C
ambient temperature during storage	-55 +80 °C
Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3

<ul> <li>operating voltage at AC-3 rated value maximum</li> </ul>	1 000 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	275 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	275 A
— up to 690 V at ambient temperature 60 °C rated value	250 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	100 A
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	100 A
• 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-4 at 400 V rated value	195 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	242 A
<ul> <li>at AC-5b up to 400 V rated value</li> <li>at AC-6a</li> </ul>	186 A
— 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
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	225 A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	68 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	172 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	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	00.4
at 400 V rated value     at 600 V rated value	96 A
at 690 V rated value	85 A
operational current	
• at 1 current path at DC-1	200 A
— at 24 V rated value	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 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 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
operational current	
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	200 A
— at 110 V rated value	2.5 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 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 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
operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	54 kW
• 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	90 000 kV·A
• up to 400 V for current peak value n=20 rated value	150 000 V·A
• up to 500 V for current peak value n=20 rated value	190 000 V·A
• up to 690 V for current peak value n=20 rated value	260 000 V·A
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	110 000 V·A
operating apparent power at AC-6a	
up to 230 V for current peak value n=30 rated value	60 000 V·A
up to 400 V for current peak value n=30 rated value	110 000 V·A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	140 000 V·A
up to 690 V for current peak value n=30 rated value	200 000 V·A
up to 1000 V for current peak value n=30 rated	110 000 V·A
value	
short-time withstand current in cold operating state up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	4 000 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	2 807 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	2 082 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	1 397 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	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	2 000 1/11
	750.4%
• at AC-1 maximum	750 1/h
• at AC-2 maximum	250 1/h
• at AC-3 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	
<ul> <li>at 50 Hz rated value</li> </ul>	110 127 V
at 60 Hz rated value	110 127 V
control supply voltage at DC	
rated value	110 127 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 of magnet coil at AC	
• at 50 Hz	590 V·A
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
apparent holding power of magnet coil at AC	
• at 50 Hz	6.7 V·A
inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.9
closing power of magnet coil at DC	650 W
holding power of magnet coil at DC	7.4 W
closing delay	
closing delay  • at AC	30 95 ms
• at AC	30 95 ms
at AC at DC	30 95 ms
at AC     at DC     opening delay	30 95 ms 30 95 ms
at AC at DC  opening delay at AC	30 95 ms 30 95 ms 40 80 ms
at AC at DC  opening delay at AC at DC  otherwise at AC at DC	30 95 ms 30 95 ms 40 80 ms 40 80 ms
<ul> <li>at AC</li> <li>at DC</li> </ul> opening delay <ul> <li>at AC</li> <li>at DC</li> </ul> arcing time	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms
<ul> <li>at AC</li> <li>at DC</li> </ul> opening delay <ul> <li>at AC</li> <li>at DC</li> </ul> arcing time <ul> <li>control version of the switch operating mechanism</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
at AC at DC  opening delay at AC at DC  arcing time  control version of the switch operating mechanism  Auxiliary circuit  number of NC contacts for auxiliary contacts instantaneous contact  number of NO contacts for auxiliary contacts instantaneous contact  operational current at AC-12 maximum  operational current at AC-15 at 230 V rated value	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operational current at DC-12</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2
<ul> <li>at AC</li> <li>at DC</li> <li>opening delay</li> <li>at AC</li> <li>at DC</li> <li>arcing time</li> <li>control version of the switch operating mechanism</li> <li>Auxiliary circuit</li> <li>number of NC contacts for auxiliary contacts instantaneous contact</li> <li>number of NO contacts for auxiliary contacts instantaneous contact</li> <li>operational current at AC-12 maximum</li> <li>operational current at AC-15</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>operational current at DC-12</li> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> </ul>	30 95 ms 30 95 ms 40 80 ms 40 80 ms 10 15 ms Standard A1 - A2



a at 600 V rated value	0.15 A
at 600 V rated value     operational current at DC-13	0.15 A
• at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value     at 60 V rated value	2 A
at 110 V rated value     at 110 V rated value	1 A
at 110 V rated value     at 125 V rated value	0.9 A
at 220 V rated value     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	readity switching per 100 million (17 V, 1 mA)
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	180 A
at 600 V rated value     at 600 V rated value	192 A
yielded mechanical performance [hp]	192 A
• 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 450/480 V rated value  — at 575/600 V rated value	200 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
	A0007 Q000
Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	~C. 500 A (C00 \ / 400 kA)
— 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)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	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
mounting position	surface +/- 22.5° tiltable to the front and back
mounting position fastening method	surface +/- 22.5° tiltable to the front and back screw fixing
mounting position  fastening method  • side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes
mounting position  fastening method  • side-by-side mounting  height	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm
mounting position  fastening method  • side-by-side mounting height width	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm
mounting position  fastening method  • side-by-side mounting  height  width  depth  required spacing	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm
mounting position  fastening method     • side-by-side mounting  height width depth required spacing     • with side-by-side mounting	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm
mounting position  fastening method     • side-by-side mounting  height width depth required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width depth required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width depth required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 10 mm 0 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 10 mm 0 mm
mounting position  fastening method     • side-by-side mounting  height width  depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — upwards     — upwards     — at the side     • forwards     — upwards     — downwards     — downwards     — downwards     — at the side     — downwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 0 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width  depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — upwards     — upwards     — at the side     • forwards     — upwards     — downwards     — downwards     — downwards     — at the side     — downwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 10 mm 10 mm 10 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — at the side     • upwards     — at the side     — downwards     — at the side     — at the side     — downwards     — at the side     — downwards     • for live parts	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height  width  depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — at the side     — downwards     • for live parts     — forwards	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 10 mm 0 mm 10 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 10 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 0 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width  depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — at the side     • downwards     — at the side     — downwards     — at the side     — downwards     • for live parts     — forwards     — upwards     — upwards     — downwards     — downwards     — downwards     — downwards     — downwards     — downwards     — at the side	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 0 mm 10 mm
mounting position  fastening method     • side-by-side mounting  height width depth  required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — at the side     • for grounded parts     — forwards     — at the side     — downwards     — at the side     — downwards     — downwards     — forwards     — upwards     — downwards     — upwards     — at the side     — downwards     — at the side Connections/ Terminals	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 0 mm 10 mm
mounting position  fastening method	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 10 mm
mounting position  fastening method     • side-by-side mounting height width depth required spacing     • with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — upwards     — at the side     • for live parts     — forwards     — upwards     — downwards     • for live parts     — forwards     — upwards     — upwards     — at the side     — downwards     — at the side     — connection bar thickness of connection bar	surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm  20 mm 10 mm 0 mm 10 mm



type of electrical connection	
for main current circuit	Connection bar
<ul> <li>for auxiliary and control circuit</li> </ul>	screw-type terminals
<ul> <li>at contactor for auxiliary contacts</li> </ul>	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
at AWG cables for main contacts	2/0 500 kcmil
connectable conductor cross-section for main contacts	
stranded	70 240 mm²
connectable conductor cross-section for auxiliary contacts	
<ul> <li>solid or stranded</li> </ul>	0.5 4 mm²
finely stranded with core end processing	0.5 2.5 mm²
type of connectable conductor cross-sections	
<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)
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12
<ul> <li>AWG number as coded connectable conductor cross section for auxiliary contacts</li> </ul>	18 14
Safety related data	
B10 value with high demand rate acc. to SN 31920	1 000 000
product function	
<ul> <li>mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
• positively driven operation acc. to IEC 60947-5-1	No
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
suitability for use safety-related switching OFF	Yes
Certificates/ approvals	

Jornioacoc, approvaio

**General Product Approval** 









<u>KC</u>





**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Miscellaneous

Type Test Certificates/Test Report Special Test Certificate Miscellaneous



Marine / Shipping

other





Confirmation

Miscellaneous

Confirmation

Miscellaneous

Railway

**Special Test** 



## Certificate

## **Further information**

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=3RT1064-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AF36

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

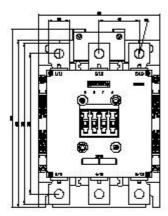
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6AF36&lang=en

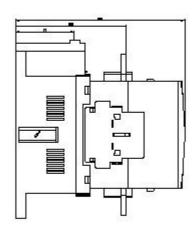
Characteristic: Tripping characteristics, I2t, Let-through current

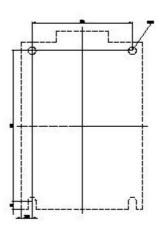
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AF36/char

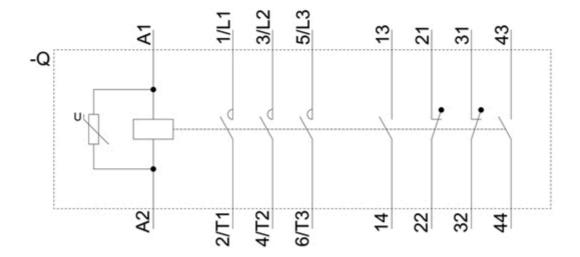
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AF36&objecttype=14&gridview=view1









last modified: 12/18/2020 🖸