## SIEMENS

## Data sheet

## 3RT1064-6AP36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 220-240 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	51 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	17 W
<ul> <li>without load current share typical</li> </ul>	7.4 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	8 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	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)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
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 maximum	95 %

Aain circuit				
number of poles for main current circuit	3			
number of NO contacts for main contacts	3			
operating voltage				
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V			
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V			
operational current				
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	275 A			
• at AC-1				
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	275 A			
— up to 690 V at ambient temperature 60 °C rated value	250 A			
— up to 1000 V at ambient temperature 40 $^\circ\text{C}$ rated value	100 A			
— up to 1000 V at ambient temperature 60 °C rated value	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-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			
• 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> </ul>	186 A			
● at AC-6a				
<ul> <li>— up to 230 V for current peak value n=20 rated value</li> </ul>	225 A			
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	225 A			
<ul> <li>— up to 500 V for current peak value n=20 rated value</li> </ul>	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				
<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			
<ul> <li>— up to 690 V for current peak value n=30 rated value</li> </ul>	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			
— at 110 V rated value	18 A			
— at 220 V rated value	3.4 A			
— at 440 V rated value	0.8 A			
— at 600 V rated value	0.5 A			
<ul> <li>with 2 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	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
	200 NV
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC-	
operating power for approx. 200000 operating cycles at AC- 4	90 kW
operating power for approx. 200000 operating cycles at AC- 4 • at 400 V rated value	90 kW 54 kW
operating power for approx. 200000 operating cycles at AC- 4 • at 400 V rated value • at 690 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 operating apparent power at AC-6a	90 kW 54 kW 82 kW
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	90 kW 54 kW 82 kW 90 000 kVA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> </ul> Operating apparent power at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 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>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA 110 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA 110 000 VA 110 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA 110 000 VA 110 000 VA
<ul> <li>operating power for approx. 200000 operating cycles at AC-4</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	90 kW 54 kW 82 kW 90 000 kVA 150 000 VA 190 000 VA 260 000 VA 110 000 VA 110 000 VA 110 000 VA

<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					
• 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	220 240 V				
• at 60 Hz rated value	220 240 V				
control supply voltage at DC					
rated value	220 240 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 VA				
• at 60 Hz	590 VA				
inductive power factor with closing power of the coil • at 50 Hz	0.0				
• at 50 Hz	0.9 0.9				
apparent holding power of magnet coil at AC	0.9				
• at 50 Hz	6.7 VA				
• at 60 Hz	6.7 VA				
inductive power factor with the holding power of the coil	0.7 474				
• at 50 Hz	0.9				
• at 60 Hz	0.9				
closing power of magnet coil at DC	650 W				
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					
Auxiliary circuit	Standard A1 - A2				
	Standard A1 - A2				
number of NC contacts for auxiliary contacts instantaneous contact	Standard A1 - A2 2				
number of NC contacts for auxiliary contacts instantaneous					
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous	2				
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact	2 2				
number of NC contacts for auxiliary contacts instantaneous contact number of NO contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum	2 2				
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	2 2 10 A				

a at 600 V retail value	4.4				
at 690 V rated value	1 A				
operational current at DC-12	40.4				
at 24 V rated value	10 A				
at 48 V rated value	6 A				
at 60 V rated value	6 A				
• at 110 V rated value	3 A				
• at 125 V rated value	2 A				
at 220 V rated value	1 A				
at 600 V rated value	0.15 A				
operational current at DC-13					
at 24 V rated value	10 A				
at 48 V rated value	2 A				
at 60 V rated value	2 A				
• at 110 V rated value	1 A				
<ul> <li>at 125 V rated value</li> </ul>	0.9 A				
<ul> <li>at 220 V rated value</li> </ul>	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]					
<ul> <li>for 3-phase AC motor</li> </ul>					
— 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>design of the fuse link</li><li>for short-circuit protection of the main circuit</li></ul>					
-	gG: 500 A (690 V, 100 kA)				
• for short-circuit protection of the main circuit	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50				
<ul> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul>	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 main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) kA) gG: 10 A (500 V, 1 kA)				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required     Installation/ mounting/ dimensions     mounting position     </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing				
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes				
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm				
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm				
for short-circuit protection of the main circuit         — with type of coordination 1 required         — with type of assignment 2 required         • for short-circuit protection of the auxiliary switch required         Installation/ mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         height         width         depth	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> </ul> </li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> </ul> </li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing             <ul> <li>with side-by-side mounting</li> </ul> </li> </ul></li></ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions           mounting position  fastening method <ul> <li>side-by-side mounting</li> </ul> height <ul> <li>width</li> </ul> depth <ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> </ul> </li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing         <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position           fastening method           • side-by-side mounting           height           width           depth           required spacing           • with side-by-side mounting           — forwards           — upwards           — at the side	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit         <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions         <ul> <li>mounting position</li> </ul> </li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing         <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 20 mm 10 mm 0 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> <li>Installation/ mounting/ dimensions <ul> <li>mounting position</li> </ul> </li> <li>fastening method <ul> <li>side-by-side mounting</li> </ul> </li> <li>height <ul> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> </ul> </li>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 20 mm 10 mm 0 mm 20 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required <ul> <li>Installation/ mounting/ dimensions</li> </ul> </li> <li>mounting position <ul> <li>fastening method</li> <li>side-by-side mounting</li> </ul> </li> <li>height <ul> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 0 mm 20 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> </ul> <li>depth <ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> </ul> </li>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 0 mm 20 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required <ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul> </li> <li>Installation/ mounting/ dimensions <ul> <li>mounting position</li> </ul> </li> <li>fastening method <ul> <li>side-by-side mounting</li> </ul> </li> <li>height <ul> <li>width</li> </ul> </li> <li>depth</li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> <li>at the side</li> <li>downwards</li> <li>at the side</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 0 mm 20 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> <li>Installation/ mounting/ dimensions <ul> <li>mounting position</li> </ul> </li> <li>fastening method <ul> <li>side-by-side mounting</li> </ul> </li> <li>height <ul> <li>width</li> <li>depth</li> </ul> </li> <li>required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>odownwards</li> <li>at the side</li> <li>for upwards</li> <li>odownwards</li> <li>at the side</li> <li>for grounded parts</li> <li>for wards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> <li>odownwards</li> </ul> </li>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position <ul> <li>fastening method</li> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 0 mm 20 mm 10 mm 10 mm 10 mm 10 mm 20 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required </li> <li>Installation/ mounting/ dimensions <ul> <li>mounting position</li> </ul> </li> <li>fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> </ul> </li> <li>depth <ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required</li> </ul> Installation/ mounting/ dimensions mounting position fastening method <ul> <li>side-by-side mounting</li> </ul> <li>height</li> <li>width</li> <li>depth</li> required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>for live parts</li> <li>downwards</li> <li>for wards</li> <li>upwards</li> <li>downwards</li> <li>for wards</li> <li>for wards</li> <li>upwards</li> <li>downwards</li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)         gG: 10 A (500 V, 1 kA)         with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back         screw fixing         Yes         210 mm         145 mm         202 mm         0 mm         10 mm         20 mm         10				
<ul> <li>for short-circuit protection of the main circuit <ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> </ul> </li> <li>for short-circuit protection of the auxiliary switch required </li> <li>Installation/ mounting/ dimensions <ul> <li>mounting position</li> </ul> </li> <li>fastening method <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> </ul> </li> <li>depth <ul> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> </ul> </li> </ul>	gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 210 mm 145 mm 202 mm 10 mm 10 mm 20 mm 10 mm 10 mm 10 mm 10 mm 10 mm				

type of electrical con			0			
for main current			Connection bar			
<ul> <li>for auxiliary and</li> </ul>			screw-type terminals			
at contactor for a	auxiliary contacts		Screw-type terminals			
of magnet coil			Screw-type terminals			
width of connection k			25 mm			
thickness of connect	ion bar		6 mm			
diameter of holes			11 mm			
number of holes			1			
	or cross-section for main	n contacts				
stranded			70 240 mm²			
	or cross-section for auxi	liary contacts				
solid or stranded			0.5 4 mm <sup>2</sup>			
	with core end processing		0.5 2.5 mm <sup>2</sup>			
	conductor cross-sections	;				
<ul> <li>for auxiliary cont</li> </ul>	tacts					
— solid				5 2.5 mm²), max. 2x (0.75		
— solid or stra				5 2,5 mm²), max. 2x (0,75	4 mm²)	
-	nded with core end process	ing	2x (0.5 1.5 mm²), 2x (0.7			
	for auxiliary contacts		2x (20 16), 2x (18 14),	1x 12		
AWG number as code section	ed connectable conducto	or cross				
<ul> <li>for auxiliary cont</li> </ul>	tacte		18 14			
Safety related data	lacis	_	10 14			
product function	coording to IEC 60047.4.1		Yes			
	ccording to IEC 60947-4-1	C 60047 5 1				
	operation according to IE emand rate according to SN		No 1 000 000			
61508	interval or service life acco		20 a			
protection class IP or	n the front according to I	EC 60529	IP00; IP20 with box terminal/cover			
-	the front according to IEC		finger-safe, for vertical conta	act from the front with box te	rminal/cover	
suitability for use						
<ul> <li>safety-related sv</li> </ul>	witching OFF		Yes			
Certificates/ approvals						
General Product App	proval					
() E	<u>Confirmation</u>			<u>KC</u>	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of C	onformity	Test Certificates		
RCM	Type Examination Cer- tificate	CE EG-Konf.	UK CA	Special Test Certific- ate	<u>Type Test Certific-</u> ates/Test Report	
Test Certificates	Marine / Shipping					
<u>Miscellaneous</u>	ABS	Lloyd's Register uis	PRS	RMRS	DNV-GL	
other				Railway		
<u>Miscellaneous</u>	Confirmation	Confirmation	Miscellaneous	Vibration and Shock	Special Test Certific-	
3RT10646AP36				Subject to o	change without notice	

Subject to change without notice © Copyright Siemens Environment

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=3RT1064-6AP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-6AP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36

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

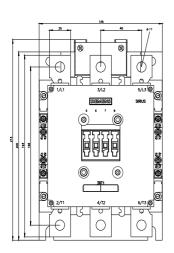
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1064-6AP36&lang=en

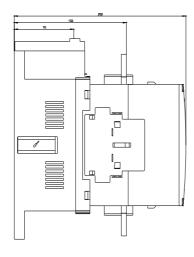
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

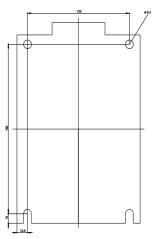
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064-6AP36/char

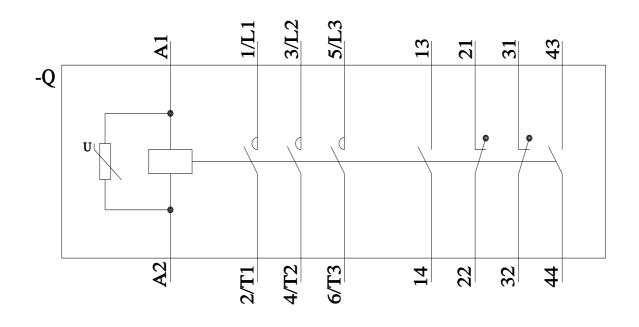
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1064-6AP36&objecttype=14&gridview=view1









last modified:

3/29/2023 🖸