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	\$10			
product extension				
 function module for communication 	No			
auxiliary switch	Yes			
power loss [W] for rated value of the current				
 at AC in hot operating state 	51 W			
 at AC in hot operating state per pole 	17 W			
 without load current share typical 	7.4 W			
insulation voltage				
 of main circuit with degree of pollution 3 rated value 	1 000 V			
 of auxiliary circuit with degree of pollution 3 rated value 	500 V			
surge voltage resistance				
 of main circuit rated value 	8 kV			
 of auxiliary circuit rated value 	6 kV			
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V			
shock resistance at rectangular impulse				
• at AC	8,5g / 5 ms, 4,2g / 10 ms			
• at DC	8,5g / 5 ms, 4,2g / 10 ms			
shock resistance with sine pulse				
• at AC	13,4g / 5 ms, 6,5g / 10 ms			
• at DC	13,4g / 5 ms, 6,5g / 10 ms			
mechanical service life (operating cycles)				
 of contactor typical 	10 000 000			
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000			
of the contactor with added auxiliary switch block typical	10 000 000			
reference code according to IEC 81346-2	Q			
Substance Prohibitance (Date)	05/01/2012			
SVHC substance name	Blei - 7439-92-1			
Ambient conditions				
installation altitude at height above sea level maximum	2 000 m			
ambient temperature				
 during operation 	-25 +60 °C			
during storage	-55 +80 °C			
relative humidity minimum	10 %			
relative humidity at 55 °C according to IEC 60068-2-30	95 %			

maximum	
maximum lain circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	- 5
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 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
 — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated 	100 A 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
• at AC-4 at 400 V rated value	195 A
• at AC-5a up to 690 V rated value	242 A
• 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 — up to 500 V for current peak value n=20 rated value 	225 A 225 A
— up to 690 V for current peak value n=20 rated value	225 A
— up to 1000 V for current peak value n=20 rated value value	68 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	172 A
— up to 400 V for current peak value n=30 rated value	172 A
— up to 500 V for current peak value n=30 rated value	172 A
— up to 690 V for current peak value n=30 rated value	172 A
— up to 1000 V for current peak value n=30 rated value	68 A
minimum cross-section in main circuit at maximum AC-1 rated value	150 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	96 A
at 690 V rated value	85 A
operational current	
at 1 current path at DC-1 — at 24 V rated value	200 A
at 24 V rated value at 60 V rated value	200 A 200 A
— at 50 V rated value — at 110 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
	0.8 A 0.5 A
— at 600 V rated value	0.0 A
with 2 current paths in series at DC-1 — at 24 V rated value	200 A
— at 60 V rated value	200 A 200 A
	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
 with 3 current paths in series at DC-1 	
— 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
• at 1 current path at DC-3 at DC-5	
— 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
• with 2 current paths in series at DC-3 at DC-5	0.127
— 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
with 3 current paths in series at DC-3 at DC-5	0.57 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	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	0.13 A
• at AC-3	
- at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 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 600 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 kVA
 up to 400 V for current peak value n=20 rated value 	150 000 VA
• up to 500 V for current peak value n=20 rated value	190 000 VA
 up to 690 V for current peak value n=20 rated value 	260 000 VA
• up to 1000 V for current peak value n=20 rated value	110 000 VA
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	60 000 VA
• up to 400 V for current peak value n=30 rated value	110 000 VA
• up to 500 V for current peak value n=30 rated value	140 000 VA
 up to 690 V for current peak value n=30 rated value 	200 000 VA
• up to 1000 V for current peak value n=30 rated value	110 000 VA
short-time withstand current in cold operating state up to	

40 °C					
 limited to 1 s switching at zero current maximum 	4 000 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 5 s switching at zero current maximum 	2 807 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 10 s switching at zero current maximum 	2 082 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 30 s switching at zero current maximum 	1 397 A; Use minimum cross-section acc. to AC-1 rated value				
 limited to 60 s switching at zero current maximum 	1 144 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	2 000 1/b				
• at DC	2 000 1/h 2 000 1/h				
operating frequency					
• at AC-1 maximum	750.1/b				
• at AC-2 maximum	750 1/h 250 1/b				
• at AC-2 maximum	250 1/h				
• at AC-3e maximum	500 1/h				
• at AC-3e maximum	500 1/h				
	130 1/h				
Control circuit/ Control	1070				
type of voltage of the control supply voltage	AC/DC				
control supply voltage at AC	000 04014				
• 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					
 at minimum rated control supply voltage at AC 					
— at 50 Hz	490 VA				
— at 60 Hz	490 VA				
 at maximum rated control supply voltage at AC 					
— at 60 Hz	590 VA				
— at 50 Hz	590 VA				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	590 VA				
• at 60 Hz	590 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.9				
• at 60 Hz	0.9				
apparent holding power					
 at minimum rated control supply voltage at DC 	6.1 VA				
 at maximum rated control supply voltage at DC 	7.4 VA				
apparent holding power					
 at minimum rated control supply voltage at AC 					
— at 50 Hz	5.6 VA				
— at 60 Hz	5.6 VA				
 at maximum rated control supply voltage at AC 					
— at 50 Hz	6.7 VA				
— at 60 Hz	6.7 VA				
apparent holding power of magnet coil at AC					
• at 50 Hz	6.7 VA				
• at 60 Hz	6.7 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.9				
• at 60 Hz	0.9				
closing power of magnet coil at DC	650 W				
·· ·					

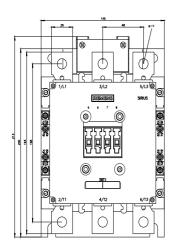
holding power of magnet coil at DC	7.4 W			
closing delay				
• at AC	30 95 ms			
• at DC	30 95 ms			
opening delay				
• at AC	40 80 ms			
• at DC	40 80 ms			
arcing time	10 15 ms			
control version of the switch operating mechanism	Standard A1 - A2			
Auxiliary circuit				
number of NC contacts for auxiliary contacts instantaneous	2			
contact	2			
number of NO contacts for auxiliary contacts instantaneous contact	2			
operational current at AC-12 maximum	10 A			
operational current at AC-15				
 at 230 V rated value 	6 A			
 at 400 V rated value 	3 A			
at 500 V rated value	2 A			
at 690 V rated value	1A			
operational current at DC-12				
• at 24 V rated value	10 A			
at 24 V rated value 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 48 V rated value at 60 V rated value 	2 A 2 A			
• at 60 V rated value	2 A			
at 60 V rated valueat 110 V rated value	2 A 1 A			
 at 60 V rated value at 110 V rated value at 125 V rated value 	2 A 1 A 0.9 A			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts 	2 A 1 A 0.9 A 0.3 A			
at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings	2 A 1 A 0.9 A 0.3 A 0.1 A			
at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor for 3-phase AC motor 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 220/230 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 4575/600 V rated value contact rating of auxiliary contacts according to UL 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 600 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/208 V rated value at 220/208 V rated value at 220/208 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required with type of assignment 2 required 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA)			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/238 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link 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 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) 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			
 at 60 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) 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			
 at 60 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 600 V rated value contact reliability of auxiliary contacts UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor at 220/230 V rated value at 460/480 V rated value at 460/480 V rated value at 575/600 V rated value contact rating of auxiliary contacts according to UL Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of assignment 2 required with type of assignment 2 required Installation/ mounting/ dimensions mounting position 	2 A 1 A 0.9 A 0.3 A 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) 180 A 192 A 60 hp 75 hp 150 hp 200 hp A600 / Q600 gG: 500 A (690 V, 100 kA) 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			

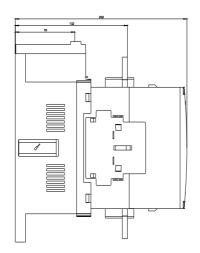
depth	202 mm				
required spacing					
 with side-by-side mounting 					
— forwards	20 mm				
— upwards	10 mm				
— downwards	10 mm				
— at the side	0 mm				
 for grounded parts 					
— forwards	20 mm				
— upwards	10 mm				
— at the side	10 mm				
— downwards	10 mm				
• for live parts					
— forwards	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					
solid or stranded	0.5 4 mm²				
finely stranded with core end processing	0.5 2.5 mm²				
type of connectable conductor cross-sections					
for auxiliary contacts					
— solid	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²), max. 2x (0.75 4 mm ²)				
— solid or stranded	2x (0,5 1,5 mm ²), 2x (0,75 2,5 mm ²), max. 2x (0,75 4 mm ²)				
 finely stranded with core end processing 	2x (0.5 1.5 mm ²), 2x (0.75 2.5 mm ²)				
 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				
-	10 14				
Safety related data					
product function	N/				
mirror contact according to IEC 60947-4-1	Yes				
positively driven operation according to IEC 60947-5-1	No				
suitability for use safety-related switching OFF	Yes				
B10 value with high demand rate according to SN 31920	1 000 000				
T1 value for proof test interval or service life according to IEC 61508	20 a				
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover				
Certificates/ approvals					
General Product Approval					
) 🖲 🖻 🖬				
CSA CCC	UL				
EMC Functional Declaration of Ma-	of Conformity Test Certificates				

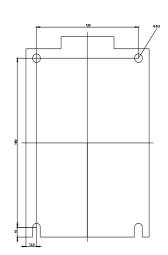
9/22/2023

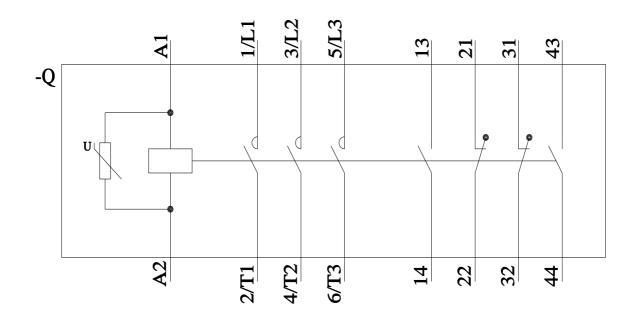
Subject to change without notice © Copyright Siemens

	chinery				
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	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	Lloyds Register us	PRS	RMRS R	DNV-GL Etwalcomm
other				Railway	
<u>Miscellaneous</u>	<u>Confirmation</u>	<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Vibration and Shock</u>	Special Test Certific- ate
Environment Environmental Con- firmations					
https://press.siemens.c Siemens is working of Please contact your lo EAC relevant market (Information on the pa https://support.industry	I to exit the Russian marke com/global/en/pressrelease/s on the renewal of the curre cal Siemens office on the sta other than the sanctioned E/ ackaging siemens.com/cs/ww/en/viev vnloadcenter (Catalogs, Br	siemens-wind-down-rus nt EAC certificates. atus of validity of the EA AEU member states Rus w/109813875	C certification if you inter	nd to import or offer to supp	ly these products to an
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.automati Service&Support (Ma https://support.industry Image database (prod http://www.automation Characteristic: Trippi https://support.industry		rder/default.aspx?lang= cteristics, FAQs,) 3RT1064-6AP36 n drawings, 3D models aspx?mlfb=3RT1064-6 through current 3RT1064-6AP36/char	en&mlfb=3RT1064-6AP3 , device circuit diagran AP36⟨=en	_	
	s (e.g. electrical endurant siemens.com/bilddb/index.a			<u>ttype=14&gridview=view1</u>	









8/15/2023 🖸

9/22/2023