SIEMENS

Data sheet

3RT1064-2NP36



power contactor, AC-3e/AC-3 225 A, 110 kW / 400 V AC (50-60 Hz) / DC Uc: 200-277 V PLC input 24 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: spring-loaded terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S10
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	51 W
 at AC in hot operating state per pole 	17 W
 without load current share typical 	3.4 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
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 %

Main circuit			
number of poles for main current circuit	3		
number of NO contacts for main contacts	3		
operating voltage			
 at AC-3 rated value maximum 	1 000 V		
 at AC-3e rated value maximum 	1 000 V		
operational current			
 at AC-1 at 400 V at ambient temperature 40 °C rated 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	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		
 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	225 A		
— up to 500 V for current peak value n=20 rated value	225 A		
— up to 690 V for current peak value n=20 rated value	225 A		
 — up to 1000 V for current peak value n=20 rated value 	68 A		
• at AC-6a			
 — 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 mm ²		
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		
 with 2 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	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 	
— 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 	
— at 24 V rated value	200 A
— at 60 V rated value	200 A
— at 110 V rated value	200 A
— at 220 V rated value	200 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
• at AC-3	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
• at AC-3e	
— at 230 V rated value	55 kW
— at 400 V rated value	110 kW
— at 500 V rated value	160 kW
— at 690 V rated value	200 kW
— at 1000 V rated value	90 kW
operating power for approx. 200000 operating cycles at AC- 4	
at 400 V rated value	54 kW
• at 690 V rated value	82 kW
operating apparent power at AC-6a	02 NVV
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	1 000 1/h		
• at DC	1 000 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	200 277 V		
at 60 Hz rated value	200 277 V		
control supply voltage at DC			
rated value	200 277 V		
operating range factor control supply voltage rated value of	200 211 V		
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		
type of PLC-control input according to IEC 60947-1	Туре 2		
consumed current at PLC-control input according to IEC 60947-1 maximum	20 mA		
voltage at PLC-control input rated value	24 V		
operating range factor of the voltage at PLC-control input	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	400 VA		
— at 60 Hz	400 VA		
• at maximum rated control supply voltage at AC			
— at 60 Hz	530 VA		
— at 50 Hz	530 VA		
apparent pick-up power of magnet coil at AC			
• at 50 Hz	530 VA		
• at 60 Hz	530 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.8		
• at 60 Hz	0.8		
apparent holding power			
at minimum rated control supply voltage at DC	2.8 VA		
at maximum rated control supply voltage at DC at maximum rated control supply voltage at DC	3.4 VA		
apparent holding power			
at minimum rated control supply voltage at AC			
— at 50 Hz	5.5 VA		
— at 60 Hz	5.5 VA		
at maximum rated control supply voltage at AC			
— at 50 Hz	8.5 VA		
— at 60 Hz	8.5 VA		
apparent holding power of magnet coil at AC			
• at 50 Hz	8.5 VA		
• at 60 Hz	8.5 VA		
inductive power factor with the holding power of the coil			

• 4 10 hE 04 closing power of magnet coll at DC 600 W closing desig 34 W • a DC 600 ms • a DC 000 ms	• at 50 Hz	0.4		
closing power of magnet coll at DC 980 W holding power of magnet coll at DC 34 W closing delay 4.0.2 • 41.DC 4580 ms • 41.DC 4580 ms • 41.DC 4580 ms • • 61.DC 80100 ms • • 61.DC 90100 ms				
Index power of magnet coll at DC 94.W closing datay 45 80 ms at AC 45 80 ms at CC 45 80 ms at CC 60 100 ms at AC 60 100 ms at CC 60 100 ms control vector of the switch operating mechanism PLCLIN on X2 (adjustable) Dumber of NC contracts for auxilary contracts instantanceous 2 contract 10 A operational current at AC-15 - at 800 V rated value 0 A at 80 V rated value				
closing datay 45 - 80 ms • at DC 45 - 80 ms • at DC 45 - 80 ms • at DC 80 - 100 ms • at DC 90 - 100 ms • at DC 10 - 16 ms • at DC 10 - 16 ms • at DC 10 - 16 ms • at DC 10 - 10 ms				
• A.C 45 80 ms opening delay 80 100 ms • A.C 80 100 ms • A.C 80 100 ms arcing time 10 15 ms Control version of the switch operating mechanism PLC-Nor Standard A1 - A2 (adjustable) Auxiliary circuit Purple of NC contacts for auxiliary contacts instantaneous control version of the switch operating mechanism 2 operational current at AC-12 monum 0 A operational current at AC-12 monum 0 A operational current at AC-12 monum 0 A • e130 V rated value 2 A • e140 V rated value 0 A • e160 V rated value 0 A • e160 V rate				
• e1 CC 45 80 ms • e1 AC 80 100 ms • entrop 10 18 ms <td< td=""><td></td><td>45 80 ms</td></td<>		45 80 ms		
opening datay 0 100 ms • et AC 80100 ms • et AC 80100 ms control version of the switch operating mechanism PLC-Nor Standard A1 - A2 (adjustable) Austing version PLC-Nor Standard A1 - A2 (adjustable) control version of the switch operating mechanism 2 control version of the value 6 A • et 300 V rated value 6 A • et 300 V rated value 1 A operational current at DC-12 - • et 30 V rated value 6 A • et 300 V rated value 0 A • et 300 V rated value 1 A • et 300 V rated value 0 A • et 300 V rated	• at DC			
• et AC 80 100 ms • et DC 80 100 ms • et DC 80 100 ms • et DC 90 15 ms • control version of the switch operating mechanism PLC:N or Standard A1 - A2 (adjustable) #unitary circuit 2 • et dP NC contacts for auxiliary contacts instantaneous contact 2 • et dP NC contacts for auxiliary contacts instantaneous contact 2 • et dP NC contacts for auxiliary contacts instantaneous contact 2 • et dP NC vicel value 6A • et dP NC vicel value 6A • et dP NC vicel value 2A • et dP NC vicel value 6A • et dP NC vicel value 7A • et dP N vicel value 7A • et dP V rade value 7A • et				
• e1 DC 80 100 ms arcing time 0 15 ms Control version of the switch operating mechanism PLC-1N0 of sindard A1 - A2 (adjustable) Auxiliary steam 2 control version of the switch operating mechanismous 2 control version of the switch operating structures instantaneous 0.A operational current at AC-12 maximum 0.A operational current at AC-12 maximum 0.A operational current at AC-12 maximum 0.A eit 800 V rited value 3.A eit 800 V rited value 3.A eit 800 V rited value 0.A eit 800 V rited value		80 100 ms		
arcing time 1015 ms control version of the switch operating mechanism PLC:N or Standard A1 - A2 (adjustable) Auxiliary crited 2 control of NC contacts for auxiliary contacts instantaneous contact 2 operational current at AC-12 maximum 00 A Operational current at AC-15 - • at 800 V rated value 6 A • at 800 V rated value 10 A • at 800 V rated value 6 A • at 800 V rated value 7 A				
Control version of the switch operating mechanism PLC-IN or Standard A1 - A2 (adjustable) Auxiliary circuit 0 Contact 2 Operational current at AC-12 maximum 10 A Operational current at AC-15 6 •1 320 V rated value 3 A •1 650 V rated value 1 A Operational current at AC-12 maximum 10 A •1 424 V rated value 1 A Operational current at AC-13	arcing time	10 15 ms		
Auxiliary circuit 2 number of NC contacts for auxiliary contacts instantaneous contact 2 contact 0 A operational current at AC-12 maximum 0 A operational current at AC-15 0 • at 230 V rated value 0 A • at 600 V rated value 0 A • at 220 V rated value 0 A • at 220 V rated value 0 A • at 24 V rated value 0 A • at 600 V rated value 0 A • at 24 V rated value 0 A • at 20 V rated value 0 A				
number of NC contacts for auxiliary contacts instantaneous contact. 2 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A • at 300 vrated value 6 A • at 300 vrated value 2 A • at 600 vrated value 10 A • operational current at AC-12 maximum 10 A • at 600 vrated value 2 A • at 600 vrated value 6 A • at 60 vrated value 7 A • at 60 vrated value 10 A • at 60 vrated value <t< td=""><td></td><td></td></t<>				
umber of ND contacts for auxiliary contacts instantaneous 2 operational current at AC-12 maximum 10 A operational current at AC-15 6 at 300 V rated value 3A at 300 V rated value 3A at 300 V rated value 3A at 300 V rated value 1A operational current at DC-12 1A at 430 V rated value 6A at 430 V rated value 6A at 44 V rated value 6A at 45 V rated value 6A at 46 V rated value 6A at 47 V rated value 6A at 60 V rated value 1A at 42 V rated value 1A at 43 V rated value 1A at 43 V rated value 0A at 43 V rated value 0A at 43 V rated value 0A at 40 V rated value 0A at 40 V rated value 1A		2		
operational current at AC-12 maximum 10 A operational current at AC-15 6 at 320 V rated value 6 A at 400 V rated value 3 A at 650 V rated value 1 A operational current at DC-12	number of NO contacts for auxiliary contacts instantaneous	2		
operational current at AC-15 6 A • at 200 V rated value 6 A • at 600 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 • • at 60 V rated value 10 A • at 44 V rated value 6 A • at 43 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 2 A • at 20 V rated value 3 A • at 20 V rated value 3 A • at 20 V rated value 3 A • at 20 V rated value 0 A • at 60 V rated value 0 A • at 20 V rated value 0 A • at 20 V rated value 0 A • at 80 V rated value 0 A • at 80 V rated value 10 A • at 800 V rated value 10 A • at 800 V rated value		10 A		
• at 230 V rated value 6 A • at 400 V rated value 3 A • at 690 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12				
• at 400 V rated value3 A• at 600 V rated value2 A• at 600 V rated value1 A• operational current at DC-12•• at 24 V rated value6 A• at 80 V rated value6 A• at 80 V rated value6 A• at 80 V rated value7 A• at 20 V rated value7 A• at 20 V rated value7 A• at 20 V rated value1 A• at 20 V rated value10 A• at 20 V rated value9 A• at 80 V rated value0 3 A• at 80 V rated value0 A• at 80 V rated value180 A• at 80 V rated value75 hp• at 80 V rated value75 hp• at 80 V rated value76 hp• at 80 V rated value76 hp• at 800	-	6 A		
• at 500 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 . • at 24 V rated value 6 A • at 48 V rated value 6 A • at 40 V rated value 8 A • at 100 V rated value 8 A • at 100 V rated value 8 A • at 25 V rated value 1 A • at 25 V rated value 1 A • at 25 V rated value 1 A • at 260 V rated value 1 A • at 260 V rated value 1 A • at 600 V rated value 10 A • at 600 V rated value 2 A • at 60 V rated value 0 A • at 12 S V rated value 0 A • at 20 V rated value 0 A • at 20 V rated value 0 A • at 600 V rated value 10 A <t< td=""><td></td><td></td></t<>				
• at 690 V rated value1 Aoperational current at DC-12				
operational current at DC-12 IDA • at 24 V rated value IDA • at 40 V rated value 6 A • at 60 V rated value 6 A • at 100 V rated value 8 A • at 100 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0 T5 A operational current at DC-13 Image: Control of the conten control of th				
• al 24 V rated value 10 Å • at 45 V rated value 6 Å • at 100 V rated value 3 Å • at 110 V rated value 3 Å • at 125 V rated value 2 Å • at 260 V rated value 0.15 Å oppartional current at DC-13 - • at 24 V rated value 0.15 Å oppartional current at DC-13 - • at 46 V rated value 2 Å • at 60 V rated value 2 Å • at 60 V rated value 0 Å • at 60 V rated value 0.9 Å • at 60 V rated value 0.9 Å • at 125 V rated value 0.9 Å • at 200 V rated value 0.1 Å • at 60 V rated value 0.1 Å • at 60 V rated value 0.1 Å • at 600 V rated value 0.1 Å • at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings - full-load current (FLA) for 3-phase AC motor - • at 600 V rated value 160 Å • at 600 V rated value 60 hp • at 600 V rated value 200 hp - at 200/200 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 120 V rated value 2 A • at 220 V rated value 0.15 A • at 200 V rated value 0.15 A • at 60 V rated value 0.15 A • at 60 V rated value 0.15 A • at 24 V rated value 0.15 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 24 V rated value 2 A • at 10 V rated value 0.9 A • at 10 V rated value 0.9 A • at 25 V rated value 0.1 A • at 260 V rated value 0.1 A • at 600 V rated value 0.1 A • at 600 V rated value 180 A • at 600 V rated value 192 A • at 600 V rated value 192 A • at 600 V rated value 192 A • at 600 V rated value 60 hp • at 600 V rated value 100 A • at 600 V rated value 75 hp • at 600 V rated value 75 hp	•	10 A		
• at 60 V rated value6 A• at 110 V rated value3 A• at 125 V rated value2 A• at 220 V rated value1 A• at 220 V rated value0.15 Aoperational current at DC-13-• at 24 V rated value10 A• at 24 V rated value2 A• at 600 V rated value2 A• at 60 V rated value2 A• at 60 V rated value2 A• at 60 V rated value0.9 A• at 125 V rated value0.9 A• at 125 V rated value0.3 A• at 220 V rated value0.1 A• at 220 V rated value0.1 A• at 600 V rated value16 A• at 600 V rated value12 A• at 600 V rated value0.1 A• at 600 V rated value0.1 A• at 600 V rated value180 A• at 600 V rated value180 A• at 600 V rated value192 A• at 600 V rated value100 A• at 600 V rated value100 A• at 600 V rated value200 hp- at 200/280 V rated value200 hp- at 200/280 V rated value200 hp- at 460/480 V rated value200 hp- at 460/480 V rated value200 hp- at 460/480 V rated value200 hp- at 675/680 V rated value26 100 A (690 V, 100 kA)- with type of coordination 1 required9G: 500 A (690 V, 100 kA)- with t				
• 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 2 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) U/CSA ratings - full-load current (FLA) for 3-phase AC motor - • at 600 V rated value 180 A • at 600 V rated value 192 A yleided mechanical performance [hp] - • for 3-phase AC motor - • at 600 V rated value 50 hp - at 200/208 V rated value 200 hp - at 202220 V rated value 200 hp - at 460/480 V rated value 200 hp <td></td> <td></td>				
• at 125 V rated value 2 A • at 220 V rated value 0.15 A • operational current at DC-13 • • at 24 V rated value 10 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings				
• 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 1 A • at 10 V rated value 0.9 A • at 10 V rated value 0.9 A • at 220 V rated value 0.9 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings				
• at 600 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 0.9 A • at 22 V rated value 0.3 A • at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 180 A • at 800 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance (pl) - • for 3-phase AC motor - - at 200/208 V rated value 60 hp - at 200/208 V rated value 150 hp - at 460/480 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required gG: 500 A (690 V, 100 kA), ak: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA), S15 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA), S15 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA), S15 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA), S15 A (690 V, 100 kA), ak: 315				
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 • at 125 V rated value 0.9 A • at 200 V rated value 0.1 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 1 full-load current (FLA) for 3-phase AC motor 180 A • at 800 V rated value 192 A yielded mechanical performance [hp] 192 A • for 3-phase AC motor 150 hp - at 200/208 V rated value 150 hp - at 200/208 V rated value 150 hp - at 40/480 V rated value 150 hp - at 67/600 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection gG: 500 A (690 V, 100 kA) e for short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-ci				
• at 24 V rated value 10 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A • at 220 V rated value 0.1 A • out 20 V rated value 0.1 A • at 600 V rated value 0.1 A • out cellability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings Tull-load current (FLA) for 3-phase AC motor • at 600 V rated value 180 A • at 600 V rated value 192 A • juleded mechanical performance [hp] • • for 3-phase AC motor - - at 220/230 V rated value 60 hp - at 220/230 V rated value 150 hp - at 460/480 V rated value 150 hp - at 57/600 V rated value 200 hp - • for short-circuit protection of the main circuit - - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA)				
• at 48 V rated value 2 A • at 60 V rated value 2 A • at 10 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings	•	10 Δ		
• at 60 V rated value 2 A • at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 400 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance [hp] • • for 3-phase AC motor • - at 200/208 V rated value 60 hp - at 200/208 V rated value 75 hp - at 200/208 V rated value 150 hp - at 200/208 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • oris short-c				
• at 110 V rated value 1 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings 1 full-load current (FLA) for 3-phase AC motor 180 A • at 480 V rated value 192 A yielded mechanical performance [hp] 60 hp • of 3-phase AC motor 60 hp - at 200/208 V rated value 60 hp - at 200/208 V rated value 150 hp - at 40/480 V rated value 150 hp - at 40/480 V rated value 00 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) - with type of assignment 2 required gG: 10 A (600 V, 100 kA), aM: 315 A (
• at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings				
• 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				
• 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 1 full-load current (FLA) for 3-phase AC motor 180 A • at 480 V rated value 192 A yielded mechanical performance [hp] 192 A • at 200/208 V rated value 60 hp - at 200/208 V rated value 60 hp - at 200/208 V rated value 150 hp - at 200/208 V rated value 200 hp - at 60/480 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) - with type of assignment 2 required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) - for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 10 kA) - with type of assignment 2 required gG: 10 A (500 V, 100 kA) - with type of coordination 1 required gG: 10 A (500 V, 100 kA) -				
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] 192 A - at 200/208 V rated value 60 hp - at 220/230 V rated value 60 hp - at 220/230 V rated value 75 hp - at 460/480 V rated value 150 hp - at 460/480 V rated value 200 hp Contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of assignment 2 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back				
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 192 A yielded mechanical performance [hp] • for 3-phase AC motor - at 200/208 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 450/5600 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (600 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) vic 1				
full-load current (FLA) for 3-phase AC motor 180 A • at 480 V rated value 192 A yielded mechanical performance [hp] 192 A • for 3-phase AC motor 60 hp - 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 460/480 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection 4630 / Q600 design of the fuse link 9G: 500 A (690 V, 100 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) • for short-circuit protection of the auxiliary switch required gG: 10 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back		Tradity switching per too minion (17 V, ThiA)		
• at 480 V rated value 180 A • at 600 V rated value 192 A yielded mechanical performance [hp] 192 A • for 3-phase AC motor 60 hp - 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 4600 / Q600 Short-circuit protection of the main circuit - with type of coordination 1 required - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back				
• at 600 V rated value 192 A yielded mechanical performance [hp] - • for 3-phase AC motor - - at 200/208 V rated value 60 hp - at 220/230 V rated value 50 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 4600 / Q600 contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection of the main circuit - - with type of coordination 1 required gG: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-20.5° tiltable to the front and back		180 Δ		
yielded mechanical performance [hp] for 3-phase AC motor at 200/208 V rated value bhp at 220/230 V rated value bhp at 460/480 V rated value bhp at 460/480 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link for short-circuit protection of the main circuit with type of coordination 1 required gG: 500 A (690 V, 100 kA) gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back 				
• for 3-phase AC motor 60 hp - 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 460/480 V, 100 kA) design of the fuse link 9G: 500 A (690 V, 100 kA) - with type of coordination 1 required 9G: 500 A (690 V, 100 kA) - with type of assignment 2 required gG: 500 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface ±/-90° rotatable, with vertical mounting surface ±/-22.5° tiltable to the front and back				
at 200/208 V rated value60 hp at 220/230 V rated value75 hp at 460/480 V rated value150 hp at 575/600 V rated value200 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectiondesign of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required • for short-circuit protection 1 requiredgG: 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) e for short-circuit protection of the auxiliary switch requiredInstallation/ mounting/ dimensionswith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back				
at 220/230 V rated value75 hp at 460/480 V rated value150 hp at 575/600 V rated value200 hpcontact rating of auxiliary contacts according to ULA600 / Q600Short-circuit protectionA600 / Q600design of the fuse link • for short-circuit protection of the main circuit - with type of coordination 1 required • with type of assignment 2 requiredgG: 500 A (690 V, 100 kA) 		60 hp		
— at 575/600 V rated value 200 hp contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection				
contact rating of auxiliary contacts according to UL A600 / Q600 Short-circuit protection design of the fuse link e for short-circuit protection of the main circuit				
Short-circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required gG: 500 A (690 V, 100 kA) — with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back				
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 gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions 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 a G: 500 A (690 V, 100 kA) a G: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) e for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back				
with type of coordination 1 required gG: 500 A (690 V, 100 kA) with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface	-			
with type of assignment 2 required gG: 400 A (690 V, 100 kA), aM: 315 A (690 V, 50 kA), BS88: 400 A (415 V, 50 kA) • for short-circuit protection of the auxiliary switch required gG: 10 A (500 V, 1 kA) Installation/ mounting/ dimensions with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/-22.5° tiltable to the front and back	-	aC: 500 A (600 V 100 kA)		
Installation/ mounting/ dimensions mounting position with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		κ̈́A)		
mounting positionwith vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back		gg: 10 A (500 V, 1 KA)		
+/- 22.5° tiltable to the front and back				
fastening method screw fixing		+/- 22.5° tiltable to the front and back		
	fastening method	screw fixing		

side-by-side mounting	Yes			
height	210 mm			
width	145 mm			
depth	202 mm			
required spacing				
 with side-by-side mounting 				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	0 mm			
 for grounded parts 				
— forwards	20 mm			
— upwards	10 mm			
— at the side	10 mm			
— downwards	10 mm			
 for live parts 				
— forwards	20 mm			
— upwards	10 mm			
— downwards	10 mm			
— at the side	10 mm			
Connections/ Terminals				
type of electrical connection				
 for main current circuit 	Connection bar			
 for auxiliary and control circuit 	spring-loaded terminals			
 at contactor for auxiliary contacts 	Spring-type terminals			
 of magnet coil 	Spring-type terminals			
width of connection bar	25 mm			
thickness of connection bar	6 mm			
diameter of holes	11 mm			
number of holes	1			
connectable conductor cross-section for main contacts				
stranded	70 240 mm²			
connectable conductor cross-section for auxiliary contacts				
 solid or stranded 	0.25 2.5 mm ²			
 finely stranded with core end processing 	0.25 1.5 mm²			
 finely stranded without core end processing 	0.25 2.5 mm ²			
type of connectable conductor cross-sections				
 for auxiliary contacts 				
— solid	2x (0.25 2.5 mm²)			
— solid or stranded	2x (0,25 2,5 mm²)			
— finely stranded with core end processing	2x (0.25 1.5 mm²)			
— finely stranded without core end processing	2x (0.25 2.5 mm²)			
 for AWG cables for auxiliary contacts 	2x (24 14)			
AWG number as coded connectable conductor cross section				
 for auxiliary contacts 	24 14			
afety related data				
product function				
 mirror contact according to IEC 60947-4-1 	Yes			
 positively driven operation according to IEC 60947-5-1 	No			
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 must action on the front according to IEO 00500	finger-safe, for vertical contact from the front with box terminal/cover			
touch protection on the front according to IEC 60529	inger bare, for vertical contact norm the north that box terminar bover			
Certificates/ approvals				

()	<u>Confirmation</u>		U	KC	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conform	nity	Test Certificates	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>
Marine / Shipping					other
ABS	Lloyd's Register	PRS	KMRS	DNV-GL DNV-GL	<u>Miscellaneous</u>
other			Railway		
<u>Confirmation</u>	<u>Miscellaneous</u>	<u>Confirmation</u>	Special Test Certific- ate	Vibration and Shock	

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,...)

htt om/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1064-2NP36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1064-2NP36

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

htt industry.siemens.com/cs/ww/en/ps/3RT106

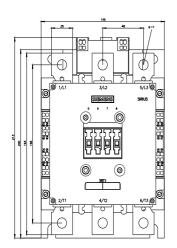
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1064-2NP36&lang=en

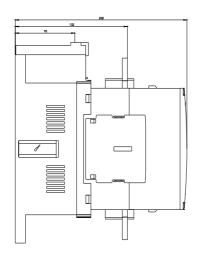
Characteristic: Tripping characteristics, I2t, Let-through current

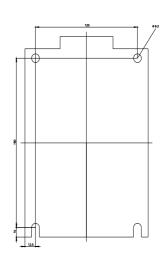
https://support.industry.siemens.com/cs/ww/en/ps/3RT1064 -2NP36/char

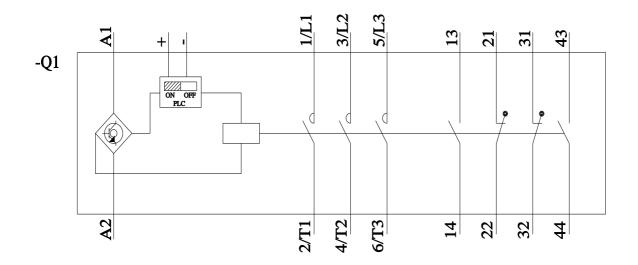
Further characteristics (e.g. electrical endurance, switching frequency)

3RT1064-2NP36&objecttype=14&gridview=view1 http://www.automation.si s.com/bilddb/index.aspx?view=









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