SIEMENS

Data sheet

3RT2026-2AB00



power contactor, AC-3 25 A, 11 kW / 400 V 1 NO + 1 NC, 24 V AC, 50 Hz 3-pole, Size S0 Spring-type terminal

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data			
size of contactor	S0		
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	4.8 W		
• per pole	1.6 W		
power loss [W] for rated value of the current without load current share typical	9.8 W		
surge voltage resistance			
 of main circuit rated value 	6 kV		
 of auxiliary circuit rated value 	6 kV		
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	400 V		
shock resistance at rectangular impulse			
• at AC	8,3g / 5 ms, 5,3g / 10 ms		
shock resistance with sine pulse			
• at AC	13,5g / 5 ms, 8,3g / 10 ms		
mechanical service life (switching 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 acc. to IEC 81346-2	Q		
Substance Prohibitance (Date)	01.10.2009 00:00:00		
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		
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	690 V		

operational current	
• at AC-1 at 400 V at ambient temperature 40 °C	40 A
rated value	
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	40 A
— up to 690 V at ambient temperature 60 °C rated value	35 A
• at AC-3	
— at 400 V rated value	25 A
— at 500 V rated value	18 A
— at 690 V rated value	13 A
 at AC-4 at 400 V rated value 	15.5 A
 at AC-5a up to 690 V rated value 	35.2 A
 at AC-5b up to 400 V rated value 	20.7 A
● at AC-6a	
 — up to 230 V for current peak value n=20 rated value 	20.2 A
 — up to 400 V for current peak value n=20 rated value 	20.2 A
— up to 500 V for current peak value n=20 rated value	20.2 A
 up to 690 V for current peak value n=20 rated value at AC-6a 	12.9 A
 up to 230 V for current peak value n=30 rated value 	13.5 A
 — up to 400 V for current peak value n=30 rated value 	13.5 A
— up to 500 V for current peak value n=30 rated value	13.5 A
— up to 690 V for current peak value n=30 rated value	13 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm ²
operational current for approx. 200000 operating cycles at AC-4	
 at 400 V rated value 	9 A
● at 690 V rated value	9 A
operational current	
 at 1 current path at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
 with 2 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
 with 3 current paths in series at DC-1 	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
operational current	
 at 1 current path at DC-3 at DC-5 	

- af 110 V rated value 25 A - af 440 V rated value 0.09 A - af 440 V rated value 0.09 A - af 420 V rated value 0.09 A - af 420 V rated value 0.09 A - af 420 V rated value 15 A - af 420 V rated value 15 A - af 420 V rated value 0.01 A - af 420 V rated value 0.05 A - af 420 V rated value 0.06 A - af 420 V rated value 0.06 A - af 420 V rated value 0.06 A - af 420 V rated value 10 A - af 420 V rated value 11 KW - af 420 V rated value 11 KW - af 420 V rated value 11 KW - af 420 V rated value 7.7 KW operating apparent power af AC-6a 4.4 kW • up to 400 V for current pack value m-20 rated value 5.3 KV A • up to 500 V for current pack value m-20 rated value 5.3 KV A • up to 600 V for current pack value m-20 rated		
	— at 110 V rated value	2.5 A
	— at 220 V rated value	1 A
 with 2 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value at 220 V rated value at 400 V rated value bt 55 kW at 400 V rated value bt 55 kW bt 500 V rated value cl 40 kW <licl 40="" kw<="" li=""></licl>	— at 440 V rated value	0.09 A
	— at 600 V rated value	0.06 A
- at 110 V rated value 15 A - at 420 V rated value 0.27 A - at 600 V rated value 0.16 A • wh3 current paths in series at DC-3 at DC-5 - - at 220 V rated value 55 A - at 400 V rated value 0.6 A - at 400 V rated value 0.6 A - at 600 V rated value 11 kW - at 600 V rated value 55 kW - at 600 V rated value 11 kW - at 600 V rated value m-20 rated value 11 kW - at 600 V rated value m-20 rated value 13 kV A - up to 500 V for current pack value m-20 rated value 13 kV A - up to 500 V for current pack value m-20 rated value 15 kV/A - up to 500 V for current pack value m-30 rated value 15 kV/A	 with 2 current paths in series at DC-3 at DC-5 	
 	— at 24 V rated value	35 A
 - at 440 Y rated value - at 600 V rated value - at 24 V rated value - at 220 V rated value - at 240 V rated value - at 200 V rated value - at 600 V fractorent peak value n=20 rated value - at 600 V for current peak value n=20 rated value - up to 400 V for current peak value n=20 rated value - up to 500 V for current peak value n=30 rated value - up to 500 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - up to 400 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at 600 V for current peak value n=30 rated value - at	— at 110 V rated value	15 A
	— at 220 V rated value	3 A
 with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 35 A at 10 V rated value 36 A at 200 V rated value 06 A at 200 V rated value 06 A at 200 V rated value 11 kW at 300 V rated value 11 kW at 600 V rated value 12 kW at 600 V rated value 13 kW A at 600 V rated value 14 kW at 600 V rated value 15 kW A at 600 V rated value 16 kV A at 600 V for current peak value n=20 rated value 17 kW A at 600 V for current peak value n=20 rated value 18 kV A at 600 V for current peak value n=20 rated value 16 kV A at 00 V for current peak value n=30 rated value 17 kW A at 00 V for current peak value n=30 rated value 18 kV A at 00 V for current peak value n=30 rated value 18 kV A at 00 V for current peak value n=30 rated value 18 kV A at 00 V for current peak value n=30 rated value 18 kV A at 00 V for current peak value n=30 rated value 15 kV A at 00 V for current peak value n=30 rated value 18 kV A at 00 V for current peak value n=30 rated value 10 kV A at 00 V for current peak value n=30 rated value 10 kV A at 00 V for current peak value n=30 rated value 10 kV A at	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
	 with 3 current paths in series at DC-3 at DC-5 	
	— at 24 V rated value	35 A
	— at 110 V rated value	35 A
	— at 220 V rated value	10 A
operating power e at AC-3 - at 230 V rated value 11 kW - at 690 V rated value 14 kW - at 690 V rated value 4.4 kW - at 600 V rated value 7.7 kW operating apparent power at AC-6 8 kV-A - up to 520 V for current peak value n=20 rated value 17.4 kV-A - up to 520 V for current peak value n=30 rated value 17.4 kV-A - up to 520 V for current peak value n=30 rated value 5.3 kV-A - up to 520 V for current peak value n=30 rated value 5.3 kV-A - up to 580 V for current peak value n=30 rated value 5.3 kV-A - up to 580 V for current peak value n=30 rated value 5.3 kV-A - up to 580 V for current peak value n=30 rated value 5.3 kV-A - up to 580 V for current peak value n=30 rated value 10.5 kV-A - up to 580 V for current peak value n=30 rated value 125 kV-A - up to 580 V for current peak value n=30 rated value 126 kV-A - up to 580 V for curren	— at 440 V rated value	0.6 A
• at AC-3 - at 230 V rated value 55 kW at 230 V rated value 11 kW at 690 V rated value 7.7 kW operating apparent power at AC-6a 13 kV-A up to 500 V for current peak value n=20 rated value 13 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 3 kV-A - up to 500 V for current peak value n=30 rated value 5 5 kV-A short-time withstand current in cold operating sta	— at 600 V rated value	0.6 A
	operating power	
	• at AC-3	
	— at 230 V rated value	5.5 kW
	— at 400 V rated value	11 kW
operating power for approx. 200000 operating cycles at AC-4 4.4 kW • el 400 V rated value 4.4 kW • at 600 V rated value 7.7 kW operating apparent power at AC-6a 8 kV-A • up to 200 V for current peak value n=20 rated value 8 kV-A • up to 500 V for current peak value n=20 rated value 13.9 kV-A • up to 500 V for current peak value n=20 rated value 15.4 kV-A operating apparent power at AC-6a 9 kV for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 600 V for current peak value n=30 rated value 15.5 kV-A • up to 600 V for current peak value n=30 rated value 15.5 kV-A • up to 600 V for current maximum 11.8 kV-A • limited to 1s switching at zero current maximum 375 A; Use minimum cross-section acc. to AC-1 rated value • at AC 1000 1/h • at AC 5 000 1/h operating frequency • at AC-1 maximum • at AC-4 maximum 1 000 1/h • at AC-4 maximum 1 000 1/h • at AC-4 maximum 1 000 1/h • at AC-4 maximum 250	— at 500 V rated value	11 kW
at 400 V rated value 4.4 kW • at 400 V rated value 7.7 kW operating apparent power at AC-6a 8 kV-A • up to 230 V for current peak value n=20 rated value 8 kV-A • up to 500 V for current peak value n=20 rated value 13.9 kV-A • up to 500 V for current peak value n=20 rated value 17.4 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 600 V for current peak value n=30 rated value 5.3 kV-A • up to 600 V for current peak value n=30 rated value 11.6 kV-A • up to 600 V for current peak value n=30 rated value 5.3 kV-A • up to 600 V for current peak value n=30 rated value 15.5 kV-A • up to 600 V for current maximum 11.6 kV-A • limited to 1s switching at zero current maximum 375 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 108 A; Use minimum cross-section acc. to AC-1 rated value • at AC-1 maximum 1000 1/h • at AC-1 maximum 1000 1/h • at AC-2 maximum 1000 1/h • at AC-3	— at 690 V rated value	11 kW
• at 400 V rated value 4.4 kW • at 690 V rated value 7.7 kW operating apparent power at AC-6a 8 kV-A • up to 230 V for current peak value n=20 rated value 13.9 kV-A • up to 600 V for current peak value n=20 rated value 13.9 kV-A • up to 500 V for current peak value n=20 rated value 15.4 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 16.6 kV-A • up to 690 V for current peak value n=30 rated value 15.5 kV-A • up to 690 V for current peak value n=30 rated value 16.6 kV-A • up to 690 V for current peak value n=30 rated value 16.6 kV-A • up to 690 V for current peak value n=30 rated value 10.6 kV-A • up to 690 V for current peak value n=30 rated value 10.6 kV-A • up to 690 V for current peak value n=30 rated value 20.6 kV-A • up to 500 V for current peak value n=30 rated value 20.6 kV-A • up to 690 V for current peak value n=30 rated value 20.6 kV-A • up to 690 V for current maximum 10.6 kV-B • limited to 19 s switching at zero current maximum 20.6 k, Use minimum cross-s		
• at 690 V rated value 7.7 kW operating apparent power at AC-6a 8 kV-A • up to 230 V for current peak value n=20 rated value 13.9 kV-A • up to 500 V for current peak value n=20 rated value 13.9 kV-A • up to 230 V for current peak value n=20 rated value 15.4 kV-A • up to 230 V for current peak value n=30 rated value 5.3 kV-A • up to 230 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 10.6 kV-A • up to 600 V for current peak value n=30 rated value 15.5 kV-A • up to 500 V for current peak value n=30 rated value 20 kV-A • up to 600 V for current peak value n=30 rated value 15.5 kV-A • up to 500 V for current peak value n=30 rated value 20 k. V-A • up to 40 °C ************************************		
operating apparent power at AC-6a 8 kV-A • up to 230 V for current peak value n=20 rated value 8 kV-A • up to 500 V for current peak value n=20 rated value 13.9 kV-A • up to 500 V for current peak value n=20 rated value 17.4 kV-A • up to 230 V for current peak value n=20 rated value 15.4 kV-A • up to 230 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 9.3 kV-A • up to 500 V for current peak value n=30 rated value 5.3 kV-A • up to 500 V for current peak value n=30 rated value 15.4 kV-A • up to 500 V for current peak value n=30 rated value 15.8 kV-A • up to 600 V for current maximum 15.5 kV-A • limited to 1 s switching at zero current maximum 15.4 kV-A • limited to 30 s switching at zero current maximum 16 A; Use minimum cross-section acc. to AC-1 rated value 120 A; Use minimum cross-section acc. to AC-1 rated value 200 A; Use minimum cross-section acc. to AC-1 rated value 100 t/h 6 x; Use minimum cross-section acc. to AC-1 rated value 20 A; Use minimum cross-section acc. to AC-1 rated value 100 t/h 6 x C-3 maximum 1 000 t/h 750 t/h		
 up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value for 60°C limited to 1 s switching at zero current maximum limited to 1 s switching at zero current maximum limited to 50 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum loo 1/h operating frequency at AC-3 maximum at AC-3 maximum at AC-4 maximum <		7.7 kW
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 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 690 V for current peak value n=30 rated value up to 230 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 500 V for current peak value n=30 rated value to 55 kV-A to 40 °C to 40 °C to 500 V for current maximum limited to 10 s switching at zero current maximum limited to 10 s switching at zero current maximum limited to 60 s switching at zero current maximum at AC-1 maximum to 40 °C at AC-1 maximum to 60 1/h to 40 °C ta AC-2 maximum ta AC-3 maximum ta AC-4 maximum to 50 1/h ta AC-4 maximum to 100 1/h ta AC-4 maximum to 101 th ta AC-4 maximum to 102 to totol to ta 50 Hz ta 50 Hz ta 50 Hz <lit< td=""><td></td><td></td></lit<>		
• up to 690 V for current peak value n=20 rated value 15.4 kV-A operating apparent power at AC-6a 5.3 kV-A • up to 230 V for current peak value n=30 rated value 9.3 kV-A • up to 500 V for current peak value n=30 rated value 9.3 kV-A • up to 690 V for current peak value n=30 rated value 11.6 kV-A • up to 690 V for current peak value n=30 rated value 15.5 kV-A short-time withstand current in cold operating state 15.5 kV-A • limited to 1 s switching at zero current maximum 375 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 106 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 106 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 106 A; Use minimum cross-section acc. to AC-1 rated value • at AC 5 000 1/h operating frequency 5 000 1/h • at AC-4 maximum 1 000 1/h • at AC-4 maximum 250 1/h Control circuit/ Control 4 AC type of voltage of the control supply voltage AC <td></td> <td></td>		
operating apparent power at AC-6a• up to 230 V for current peak value n=30 rated value5.3 kV-A• up to 400 V for current peak value n=30 rated value9.3 kV-A• up to 590 V for current peak value n=30 rated value11.6 kV-A• up to 690 V for current peak value n=30 rated value15.5 kV-Ashort-time withstand current in cold operating state15.5 kV-Aup to 40 °C15.5 kV-A• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC-1 maximum1 000 1/h• at AC-1 maximum1 000 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at S0 Hz rated value24 V• eat 50 Hz0.8 1.1• at 50 Hz0.8 1.1• apparent pick-up power of magnet coil at AC0.8 1.1		
 up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value the value node of the value n=30 rated value the value node of value the value node of		15.4 kV·A
 up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value the to 50 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C ilimited to 1 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 30 s switching at zero current maximum ilimited to 30 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum ilimited to 6 s switching at zero current maximum the to 5 switching at zero current maximum the to 6 switching frequency at AC at AC the to 5 switching at zero current maximum the to 5 switch		
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• up to 690 V for current peak value n=30 rated value15.5 kV-Ashort-time withstand current in cold operating state up to 40 °C375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching frequency • at AC5 000 1/h• at AC-1 maximum1 000 1/h• at AC-2 maximum1 000 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at S0 Hz rated value24 V• operating range factor control supply voltage rated value of magnet coil at AC24 V• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1		
short-time withstand current in cold operating state up to 40 °C 375 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 299 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 200 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 128 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching frequency 5 000 1/h • at AC 5 000 1/h operating frequency 6 1000 1/h • at AC-3 maximum 1 000 1/h • at AC-4 maximum 250 1/h Control circuit/ Control 250 1/h Control supply voltage at AC 4 V • at 50 Hz rated value 24 V operating range factor control supply voltage rated value 0.8 1.1		
up to 40 °C• limited to 1 s switching at zero current maximum375 A; Use minimum cross-section acc. to AC-1 rated value• limited to 5 s switching at zero current maximum299 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum200 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum128 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum106 A; Use minimum cross-section acc. to AC-1 rated value• at AC5 000 1/hoperating frequency4 AC-• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at 50 Hz rated value24 Voperating range factor control supply voltage rated value of magnet coil at AC24 V		15.5 kV·A
 ilimited to 1 s switching at zero current maximum ilimited to 5 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 10 s switching at zero current maximum ilimited to 30 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 60 s switching at zero current maximum ilimited to 70 signal zero current maximum ilimited to 70 supply voltage to 70 l/h ilimited to 70 supply voltage rated value ilimited to 70 supply voltage rated ilimited to 70 supply voltage		
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 limited to 10 s switching at zero current maximum limited to 30 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching at zero current maximum limited to 60 s switching frequency at AC at AC 5 000 1/h operating frequency at AC-1 maximum 1 000 1/h at AC-2 maximum 1 000 1/h at AC-3 maximum at AC-3 maximum at AC-4 maximum 250 1/h control circuit/ Control type of voltage of the control supply voltage at 50 Hz rated value 24 V operating range factor control supply voltage rated value at 50 Hz at 50 Hz 0.8 1.1 	C C	
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• limited to 60 s switching at zero current maximum 106 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 5 000 1/h • at AC 5 000 1/h • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h Control circuit/ Control V type of voltage of the control supply voltage AC • at 50 Hz rated value 24 V operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 • at 50 Hz 0.8 1.1	-	
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• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ Controltype of voltage of the control supply voltageACAC• at 50 Hz rated value24 V• at 50 Hz0.8 1.1• at 50 Hz0.8 1.1		
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type of voltage of the control supply voltage AC control supply voltage at AC	● at AC-4 maximum	250 1/h
type of voltage of the control supply voltage AC control supply voltage at AC	Control circuit/ Control	
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• at 50 Hz rated value 24 V operating range factor control supply voltage rated value of magnet coil at AC 0.8 1.1 • at 50 Hz 0.8 1.1		
value of magnet coil at AC 0.8 1.1 • at 50 Hz 0.8 1.1 apparent pick-up power of magnet coil at AC 0.8 1.1		24 V
• at 50 Hz 0.8 1.1 0.8 1.1		
apparent pick-up power of magnet coil at AC	_	
		0.8 1.1
• at 50 Hz 77 V·A		
	• at 50 Hz	// V·A

apparent holding power of magnet coil at AC	
• at 50 Hz	9.8 V·A
inductive power factor with the holding power of the coil	
• at 50 Hz	0.25
closing delay	
• at AC	8 40 ms
opening delay	
• at AC	4 16 ms
arcing time	10 10 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	1
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 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	10.4
 at 24 V rated value at 48 V rated value 	10 A 6 A
at 40 V rated value at 60 V rated value	6 A
at 100 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1A
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
 at 125 V rated value 	0.9 A
 at 220 V rated value 	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	21 A
at 600 V rated value	22 A
yielded mechanical performance [hp]	
for single-phase AC motor	0.64
— at 110/120 V rated value	2 hp
— at 230 V rated value	3 hp
 for 3-phase AC motor — at 200/208 V rated value 	5 hp
— at 200/208 V rated value — at 220/230 V rated value	5 hp 7.5 hp
— at 220/230 V rated value — at 460/480 V rated value	7.5 hp 15 hp
— at 575/600 V rated value	20 hp
contact rating of auxiliary contacts according to UL	A600 / P600
Short-circuit protection	
Short-circuit protection design of the fuse link	
Short-circuit protection	gG: 100 A (690 V, 100 kA), aM: 50 A (690 V, 100 kA), BS88: 100 A (415

	V, 80 kA)		
- with type of assignment 2 required	gG: 35A (690V, 100kA), aM: 20A (690V, 100kA), BS88: 35A (415V, 80kA)		
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)		
Installation/ mounting/ dimensions			
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface		
fastening method	 screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715 		
 side-by-side mounting 	Yes		
height	102 mm		
width	45 mm		
depth	97 mm		
required spacing			
 with side-by-side mounting 			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
 for grounded parts 			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
 for live parts 			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
 for main current circuit 	spring-loaded terminals		
 for auxiliary and control circuit 	spring-loaded terminals		
 at contactor for auxiliary contacts 	Spring-type terminals		
 of magnet coil 	Spring-type terminals		
type of connectable conductor cross-sections			
 for main contacts 			
— solid	2x (1 10 mm²)		
— solid or stranded	2x (1 10 mm²)		
 finely stranded with core end processing 	2x (1 6 mm²)		
 finely stranded without core end processing 	2x (1 6 mm²)		
 at AWG cables for main contacts 	2x (18 8)		
connectable conductor cross-section for main contacts			
• solid	1 10 mm²		
 stranded 	1 10 mm²		
 finely stranded with core end processing 	1 6 mm²		
 finely stranded without core end processing 	1 6 mm²		
connectable conductor cross-section for auxiliary contacts			
 solid or stranded 	0.5 2.5 mm ²		
 finely stranded with core end processing 	0.5 1.5 mm²		
 finely stranded without core end processing 	0.5 2.5 mm ²		
type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid or stranded	2x (0.5 2.5 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²)		
 finely stranded without core end processing 	2x (0.5 2.5 mm ²)		

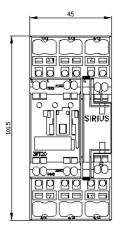
at AWG cables	for auxiliary contacts	2x (20 14)			
	ded connectable conduct		2x (20 14)			
section						
 for main contact 	for main contacts					
 for auxiliary cor 	ntacts	20.	20 14			
Safety related data						
product function mi	rror contact acc. to IEC 6	0947-4-1 Yes	;			
	lemand rate acc. to SN 319	450	000			
proportion of dange						
	nd rate acc. to SN 31920	40 9				
	nd rate acc. to SN 31920	73 9				
	low demand rate acc. to SN		FIT			
IEC 61508	est interval or service life	acc. to 20 y	/			
protection class IP	on the front acc. to IEC 60)529 IP20	0			
touch protection on	the front acc. to IEC 6052	29 fing	er-safe, for vertical conta	ct from the front		
suitability for use						
 safety-related s 	witching OFF	Yes	;			
Certificates/ approval	s					
General Product Ap	oproval				EMC	
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Functional						
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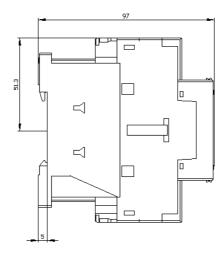
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

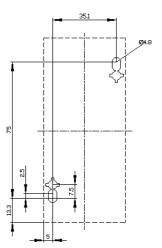
https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AB00

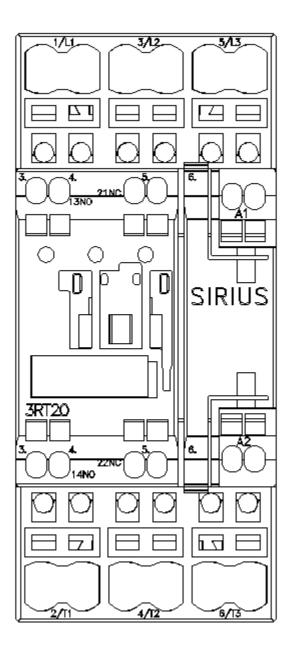
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2026-2AB00&lang=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2026-2AB00/char Evuther characteristics (a z. electrical and wanness envitebing fragmeness)

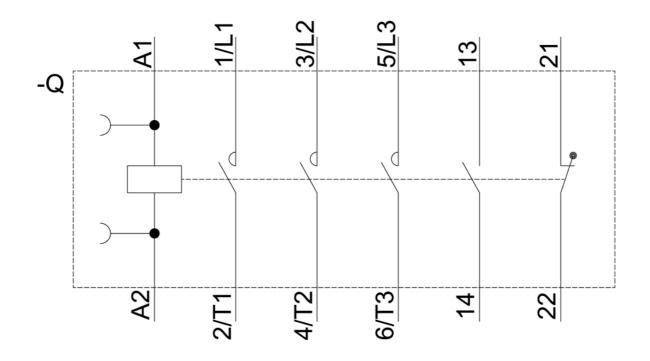
Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2026-2AB00&objecttype=14&gridview=view1











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