SIEMENS

Data sheet 3RT1264-6AF36



Vacuum contactor, AC-3 225 A, 110 kW / 400 V 110-127 V UC Auxiliary contacts 2 NO + 2 NC 3-pole, Size S10 Busbar connections Drive: conventional

product brand name	SIRIUS
product designation	Vacuum contactor
product type designation	3RT12
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	27 W
• per pole	9 W
power loss [W] for rated value of the current without load current share typical	8.2 W
surge voltage resistance	
 of main circuit rated value 	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for safe isolation between coil and main contacts acc. to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (switching cycles)	
of contactor typical	10 000 000
 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)	01.05.2012 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
relative humidity minimum	10 %
relative humidity at 55 °C acc. to IEC 60068-2-30	95 %

Name	maximum	
number of poles for main current circuit 3 0 0 0 0 0 0 0 0 0	Main circuit	
Dumber of NO contacts for main contacts 3 1 1 1 1 1 1 1 1 1	number of poles for main current circuit	3
operating ope		3
• at AC-1 at 400 V at ambient temperature 40 °C rated value • at AC-1 — up to 890 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C 300 A rated value — up to 1000 V at ambient temperature 40 °C 300 A rated value — up to 1000 V at ambient temperature 60 °C 300 A rated value — up to 1000 V at ambient temperature 60 °C 300 A rated value • at AC-3 and 400 V rated value 225 A 300 A rated value • at AC-4 and V rated value 225 A 300 A rated value 225 A 300 A rated value 300 V rated value 325 A 300 A rated value 326 A 300 A rated value 327 rated value 328 A 300 A rated value 300 A rated value 300 A rated value 300 A 3	operating voltage at AC-3 rated value maximum	1 000 V
rated value at AC-1 — up to 680 V at ambient temperature 40 °C rated value — up to 680 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value — up to 1000 V at ambient temperature 60 °C rated value at AC-3 — at 400 V rated value — at 590 V rated value — at 590 V rated value — at 690 V rated value — at 1000 V rated value — at 590 V rated value — at 1000 V rated value — at 1000 V rated value — at 225 A — at AC-4a 4 400 V rated value — at 1000 V rated value — up to 230 V for current peak value n=20 rated value — 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 500 V for current peak value n=20 rated value — up to 230 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 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 500 V for current peak value n=30 rated value — up to 1000 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 1000 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 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 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 500 V for current peak value n=30 rated value — up to 500 V for curre	operational current	
	rated value	330 A
rated value — up to 1000 V at ambient temperature 40 °C rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value • at 500 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value • at AC-4 • at 400 V rated value • at AC-6a — 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 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 500 V for current peak value n=20 rated value — up to 1000 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 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 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 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 400 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at	— up to 690 V at ambient temperature 40 °C	330 A
rated value — up to 1000 V at ambient temperature 60 °C rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value • at AC-4 • at AC-4 — 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 1000 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value • at AC-6 — up to 500 V for current peak value n=20 rated value • up to 1000 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 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 V rated value • at 600 V rated value — at 600 V rated va		300 A
rated value • at AC-3 — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value • at AC-4 at 400 V rated value • at AC-6a — up to 230 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 690 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 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 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 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for durrent peak value n=30 rated value — up to 1000 V for durrent peak value n=30 rated value — up to 1000 V for durrent for approx. 200000 operating overs at AC-4 • at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value		330 A
at 400 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value up to 230 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 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value 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 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 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value at 400 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at 1000 V rated value at 400 V rated value		300 A
at 500 V rated value at 690 V rated value 225 A at 1000 V rated value 225 A at 1000 V rated value 225 A 225 A 225 A 225 A 225 A	• at AC-3	
at 890 V rated value at 1 1000 V rated value at 1 1000 V rated value at 1 1000 V rated value at AC-6a up to 230 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 590 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=20 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 500 V for current peak value n=30 rated value up to 690 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value up to 1000 V for current peak value n=30 rated value at 600 V rated value at 400 V rated value	— at 400 V rated value	
■ at 1000 V rated value ■ at AC-4 at 40 V rated value ■ at AC-6a ■ 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 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value ● at AC-6a — up to 230 V for current peak value n=30 rated value ● at AC-6a — 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 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — a	— at 500 V rated value	225 A
■ at AC-4 at 400 V rated value ■ up to 230 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=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — 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 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 600 V rated value — at 400 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 400 V rated value — at 600 V rat	— at 690 V rated value	225 A
at AC-6a — 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 690 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 1000 V for current peak value n=20 rated value — up to 230 V for current peak value n=30 rated value — 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 500 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 690 V rated value — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at	— at 1000 V rated value	225 A
- 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 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - up to 1000 V for current peak value n=20 rated value - 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 - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value - at 600 V rated value	• at AC-4 at 400 V rated value	195 A
value	• at AC-6a	
value — 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 225 A • at AC-6a 229 A — up to 230 V for current peak value n=30 rated value 209 A — up to 500 V for current peak value n=30 rated value 209 A — up to 690 V for current peak value n=30 rated value 209 A — up to 1000 V for current peak value n=30 rated value 209 A — up to 1000 V for current peak value n=30 rated value 209 A — up to 400 V for current peak value n=30 rated value 209 A — up to 400 V for current peak value n=30 rated value 209 A — up to 1000 V for current peak value n=30 rated value 209 A — up to 400 V for current peak value n=30 rated value 209 A — at 400 V for current peak value n=30 rated value 209 A — at 400 V for current peak value n=30 rated value 97 A — at 400 V rated value 97 A • at 400 V rated value 55 kW — at 500 V rated value 110 kW — at 500 V rated value 200 kW — at 400 V rated valu		225 A
value		225 A
value — up to 1000 V for current peak value n=20 rated value • at AC-6a — 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 — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — at 400 V rated value • at 400 V rated value — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 1000 V rated value — at 400 V rated value	value	225 A
value • at AC-6a — 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 — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — operational current for approx. 200000 operating cycles at AC-3 — at 400 V rated value — at 690 V rated value — at 7000 V rated value — at 1000 V rated value — at 400 V rated value — at 55 kW	value	
- 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 - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value - at 230 V rated value - at 500 V rated value - at 500 V rated value - at 690 V rated value - 55 kW	value	225 A
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 — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW	— up to 230 V for current peak value n=30 rated	209 A
value — up to 690 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value — up to 1000 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value 55 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW		209 A
value up to 1000 V for current peak value n=30 rated value minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value 97 A operating power • at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value		209 A
walue minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value 55 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW	value	
rated value operational current for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 1000 V rated value 55 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW	value	
cycles at AC-4 • at 400 V rated value • at 690 V rated value 97 A operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value 315 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW	rated value	185 mm²
● at 690 V rated value 97 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 315 kW operating power for approx. 200000 operating cycles at AC-4 ● at 400 V rated value 55 kW		
operating power	at 400 V rated value	
• at AC-3 — at 230 V rated value	at 690 V rated value	97 A
— 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 315 kW operating power for approx. 200000 operating cycles at AC-4		
— 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 315 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW		55 kW
 — at 500 V rated value — at 690 V rated value — at 1000 V rated value 315 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW 		
 — at 690 V rated value — at 1000 V rated value 315 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW 		
— at 1000 V rated value 315 kW operating power for approx. 200000 operating cycles at AC-4 ● at 400 V rated value 55 kW		
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW		
• at 400 V rated value 55 kW	operating power for approx. 200000 operating cycles	J J J KVV
		55 kW

operating apparent power at AC-6a		

 up to 230 V for current peak value n=20 rated value 	90 000 kV·A
 up to 400 V for current peak value n=20 rated value 	150 000 V·A
 up to 500 V for current peak value n=20 rated value 	190 000 V·A
• up to 690 V for current peak value n=20 rated value	260 000 V·A
up to 1000 V for current peak value n=20 rated	390 000 V·A
value	
operating apparent power at AC-6a	
 up to 230 V for current peak value n=30 rated value 	80 000 V·A
 up to 400 V for current peak value n=30 rated value 	140 000 V·A
 up to 500 V for current peak value n=30 rated value 	180 000 V·A
• up to 690 V for current peak value n=30 rated value	250 000 V·A
• up to 1000 V for current peak value n=30 rated	360 000 V·A
value	555 555 V / I
no-load switching frequency	
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	750 1/h
• at AC-4 maximum	250 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	110 127 V
at 60 Hz rated value	110 127 V
control supply voltage at DC	
• rated value	110 127 V
operating range factor control supply voltage rated	
value of magnet coil at DC	
• initial value	0.8
• full-scale value	1.1
operating range factor control supply voltage rated	
value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
● at 50 Hz	590 V·A
● at 60 Hz	590 V·A
inductive power factor with closing power of the coil	
● at 50 Hz	0.9
● at 60 Hz	0.9
apparent holding power of magnet coil at AC	
● at 50 Hz	6.1 V·A
● at 60 Hz	6.1 V·A
inductive power factor with the holding power of the	
coil	0.0
• at 50 Hz	0.9
• at 60 Hz	0.9
closing power of magnet coil at DC	700 W
holding power of magnet coil at DC	8.2 W
closing delay	20. 05
• at AC	30 95 ms
at AC at DC	30 95 ms 30 95 ms
at AC at DC opening delay	30 95 ms
at AC at DC opening delay at AC	30 95 ms 40 80 ms
at AC at DC opening delay	30 95 ms

control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous 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	1 A
operational current at DC-12	
 at 24 V rated value 	10 A
 at 48 V rated value 	6 A
 at 60 V rated value 	6 A
 at 110 V rated value 	3 A
 at 125 V rated value 	2 A
• at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
 at 110 V rated value 	1 A
 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	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 220/230 V rated value	75 hp
— at 460/480 V rated value	150 hp
— at 575/600 V rated value	200 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
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: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
for short-circuit protection of the auxiliary switch required	gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	+/-22,5° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface; standing, on horizontal mounting surface
fastening method	screw fixing
side-by-side mounting	Yes
height	210 mm
width	145 mm
depth	206 mm
mop m.	
required spacing	

General Product Approval		EMC	
Certificates/ approvals			
safety-related switching OFF	Yes		
suitability for use			
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover		
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover		
product function positively driven operation acc. to IEC 60947-5-1	No		
product function mirror contact acc. to IEC 60947-4-1	Yes		
Safety related data			
• for auxiliary contacts	18 14		
AWG number as coded connectable conductor cross section			
at AWG cables for auxiliary contacts	2x (20 16), 2x (18 14), 1x 12		
— finely stranded with core end processing	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)	
for auxiliary contacts			
type of connectable conductor cross-sections			
finely stranded with core end processing	0.5 2.5 mm ²		
solid or stranded	0.5 4 mm²		
connectable conductor cross-section for auxiliary contacts			
• stranded	70 240 mm²		
contacts			
connectable conductor cross-section for main		270 500 NGITIII	
at AWG cables for main contacts	2/0 500 kcmil		
type of connectable conductor cross-sections	Co.on type terrinials		
of magnet coil	Screw-type terminals Screw-type terminals		
at contactor for auxiliary contacts	screw-type terminals		
for auxiliary and control circuit			
for main current circuit	Connection bar		
number of holes type of electrical connection	1		
diameter of holes	11 mm		
thickness of connection bar	6 mm		
width of connection bar	25 mm		
Connections/ Terminals	05		
— at the side	10 mm		
— downwards	10 mm		
— upwards	10 mm		
— forwards	20 mm		
• for live parts			
— downwards	10 mm		
— at the side	10 mm		
— upwards	10 mm		
— forwards	20 mm		
 for grounded parts 			
— at the side	0 mm		
— downwards	10 mm		
— upwards	10 mm		
— forwards	20 mm		







<u>KC</u>





Functional Safety/Safety of Machinery

Declaration of Conformity

Test Certificates

Marine / Shipping

Type Examination Certificate UK Declaration of Conformity



Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping

other





Confirmation

Confirmation

Miscellaneous

Special Test Certificate

Railway

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1264-6AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1264-6AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AF36

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

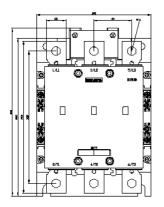
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1264-6AF36&lang=en

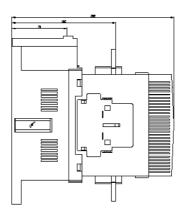
Characteristic: Tripping characteristics, I2t, Let-through current

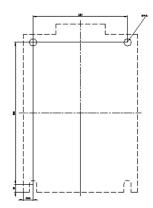
https://support.industry.siemens.com/cs/ww/en/ps/3RT1264-6AF36/char

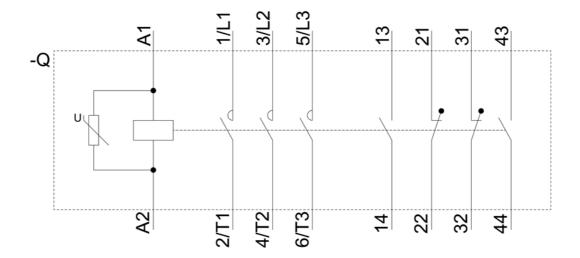
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1264-6AF36&objecttype=14&gridview=view1









last modified: 7/22/2021 🖸