SIEMENS

Data sheet 3RT1055-2AF36



power contactor, AC-3e/AC-3 150 A, 75 kW / 400 V AC (50-60 Hz) / DC Uc: 110-127 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional 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	S6
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
 at AC in hot operating state per pole 	9 W
 without load current share typical 	5.2 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 safe isolation 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	185 A
rated value	
• at AC-1	185 A
— up to 690 V at ambient temperature 40 °C rated value	165 A
— up to 690 V at ambient temperature 60 °C rated value	160 A
— up to 1000 V at ambient temperature 40 °C rated value	90 A
— up to 1000 V at ambient temperature 60 °C rated value	90 A
• at AC-3	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
• at AC-3e	
— at 400 V rated value	150 A
— at 500 V rated value	150 A
— at 690 V rated value	150 A
— at 1000 V rated value	65 A
 at AC-4 at 400 V rated value 	132 A
 at AC-5a up to 690 V rated value 	162 A
 at AC-5b up to 400 V rated value 	124 A
• at AC-6a	
 up to 230 V for current peak value n=20 rated value 	150 A
— up to 400 V for current peak value n=20 rated value	150 A
— up to 500 V for current peak value n=20 rated value	150 A
— up to 690 V for current peak value n=20 rated value	150 A
 up to 1000 V for current peak value n=20 rated value at AC-6a 	65 A
— up to 230 V for current peak value n=30 rated value value	105 A
up to 400 V for current peak value n=30 rated value	105 A
 up to 500 V for current peak value n=30 rated value 	105 A
 up to 690 V for current peak value n=30 rated value 	105 A
— up to 1000 V for current peak value n=30 rated value	65 A
minimum cross-section in main circuit at maximum AC-1 rated value	95 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	68 A
• at 690 V rated value	57 A
operational current	
• at 1 current path at DC-1	160 A
— at 24 V rated value — at 60 V rated value	160 A 160 A
— at 60 V rated value — at 110 V rated value	160 A
— at 110 V rated value — at 220 V rated value	18 A 3.4 A
— at 440 V rated value — at 440 V rated value	3.4 A 0.8 A
— at 600 V rated value	0.5 A
— at out viraled value	0.5 A

*with 2 current paths in series at DC-1 — at 260 V rated value — at 160 V rated value — at 160 V rated value — at 120 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 160 V rated value — at 200 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 300 V rated value — at 400 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at
at 110 V rated value
at 220 V rated value
• with 3 current paths in series at DC-1 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 230 V rated value — at 240 V rated value — at 250 V rated value — at 600 V rated value — at
at 110 V rated value 160 A 11.5 A at 220 V rated value 17.5 A at 600 V rated value 18.5 A at 600 V rated value 18.5 A at 600 V rated value 18.5 A at 600 V rated value 7.5 A at 600 V rated value 9.6 A at 600 V rated value 9.12 A at 600 V rated value 160 A at 600 V rated value 160 A at 220 V rated value 160 A at 220 V rated value 9.3 A at 600 V rated value 160 A at 600 V rated value 90 KW 9
■ at 1 current path at DC-3 at DC-5 ■ at 24 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ at 200 V rated value ■ at 440 V rated value ■ at 600 V rated value ■ at 600 V rated value ■ at 100 V rated value ■ at 110 V rated value ■ at 110 V rated value ■ at 600 V rated value ■ at 440 V rated value ■ at 450 V rated value ■ at 400 V rated value ■ at 600 V rated value
• at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 200 V rated value — at 200 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 25 V rated value — at 26 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 30 V rated value — at 400 V rated value — at 600 V rated value — at 20 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value
at 24 V rated value 7.5 A at 600 V rated value 0.6 A at 440 V rated value 0.17 A at 440 V rated value 0.17 A at 440 V rated value 0.12 A • with 2 current paths in series at DC-3 at DC-5 at 24 V rated value 160 A at 600 V rated value 160 A at 600 V rated value 160 A at 110 V rated value 160 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 160 A at 600 V rated value 160 A at 110 V rated value 160 A at 220 V rated value 160 A at 440 V rated value 160 A at 440 V rated value 170 A at 440 V rated value 170 A at 440 V rated value 170 A at 600 V rated value 190 A at 600 V rated value 190 A at 600 V rated value 100 A at 600 V rated Va
at 60 V rated value
at 220 V rated value
- at 440 V rated value
with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value
• with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 660 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value — at 400 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 300 V rated value — at 400 V rated value — at 300 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value
- at 24 V rated value 160 A - at 60 V rated value 160 A - at 110 V rated value 2.5 A - at 440 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 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 160 A - at 220 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 0.75 A operating power • at AC-3 - at 230 V rated value 75 kW - at 500 V rated value 90 kW - at 690 V rated value 90 kW • at AC-3e - at 230 V rated value 90 kW • at 400 V rated value 90 kW • at 690 V rated value 90 kW
- at 60 V rated value 160 A - at 110 V rated value 2.5 A - at 220 V rated value 0.65 A - at 440 V rated value 0.65 A - at 600 V rated value 0.3.7 A ■ with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 160 A - at 60 V rated value 160 A - at 110 V rated value 160 A - at 110 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 160 A - at 440 V rated value 0.75 A Operating power ■ at AC-3 - at 230 V rated value 45 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at 400 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW ■ at AC-4 ■ at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 55 kW operating apparent power at AC-6a
- at 110 V rated value
at 220 V rated value
- 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 160 A - at 60 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 160 A - at 440 V rated value 1760 A - at 440 V rated value 175 A operating power ● at AC-3 - at 230 V rated value 75 kW - at 500 V rated value 90 kW - at 690 V rated value 90 kW ● at AC-3e - at 230 V rated value 90 kW - at 690 V rated value 90 kW - at 690 V rated value 90 kW - at 400 V rated value 90 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW - at 400 V rated value 32 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW - at 690 V rated value 90 kW - at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 38 kW • at 690 V rated value 55 kW operating apparent power at AC-6a
 at 600 V rated value with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 400 V rated value — at 230 V rated value — at 4500 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 400 V rated value — at 230 V rated value — at 1000 V rated value 90 kW • at AC-3e — 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 1000 V rated value — at 400 V rated value — at 690 V rated value
• with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 160 A — at 60 V rated value 160 A — at 110 V rated value 160 A — at 220 V rated value 160 A — at 220 V rated value 176 A — at 440 V rated value 17.4 A — at 600 V rated value 0.75 A operating power • at AC-3 — at 230 V rated value 45 kW — at 400 V rated value 90 kW — at 500 V rated value 90 kW — at 690 V rated value 132 kW — at 1000 V rated value 90 kW • at AC-3e — at 230 V rated value 90 kW • at 600 V rated value 132 kW — at 1000 V rated value 90 kW • at 600 V rated value 75 kW — at 400 V rated value 90 kW • at 600 V rated value 90 kW • at 600 V rated value 90 kW • at 400 V rated value 90 kW — at 500 V rated value 90 kW — at 600 V rated value 90 kW • at 600 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 38 kW • at 600 V rated value 55 kW operating apparent power at AC-8a
at 24 V rated value at 60 V rated value at 110 V rated value at 1220 V rated value at 220 V rated value at 440 V rated value at 440 V rated value at 600 V rated value at 230 V rated value at 230 V rated value at 500 V rated value at 500 V rated value at 690 V rated value at 1000 V rated value at 1000 V rated value at 230 V rated value at 230 V rated value at 690 V rated value at 400 V rated value at 690 V rated value
- at 60 V rated value 160 A - at 110 V rated value 160 A - at 220 V rated value 160 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 75 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW • at AC-3e - at 230 V rated value 90 kW - at 1000 V rated value 90 kW - at 690 V rated value 90 kW • at AC-3e - at 230 V rated value 90 kW • at 600 V rated value 90 kW • at 600 V rated value 90 kW • at 1000 V rated value 90 kW • at 1000 V rated value 90 kW • at 400 V rated value 132 kW - at 1000 V rated value 90 kW - at 600 V rated value 90 kW - at 600 V rated value 132 kW - at 1000 V rated value 132 kW - at 1000 V rated value 132 kW - at 1000 V rated value 132 kW - at 400 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 55 kW operating apparent power at AC-6a
- at 110 V rated value 160 A - at 220 V rated value 160 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 45 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW - at 1000 V rated value 90 kW ● at AC-3e - at 230 V rated value 90 kW - at 690 V rated value 90 kW ● at 60-3e - at 230 V rated value 90 kW ● at 60-3e - at 230 V rated value 75 kW - at 400 V rated value 90 kW ● at 400 V rated value 75 kW - at 400 V rated value 90 kW - at 690 V rated value 90 kW - at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ● at 400 V rated value 38 kW ● at 690 V rated value 55 kW operating apparent power at AC-6a
- at 220 V rated value - at 440 V rated value - at 600 V rated value 0.75 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 1000 V rated value - at 1000 V rated value - at 230 V rated value - at 230 V rated value - at 1000 V rated value - at 230 V rated value - at 400 V rated value - at 690 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 690 V rated value - at 400 V rated value - at 400 V rated value - at 690 V rated value - at 400 V rated value - at 690 V rated value - at 400 V rated value
- at 440 V rated value - at 600 V rated value - at 600 V rated value - at 230 V 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 1000 V rated value - at 230 V rated value - at 400 V rated value - at 1000 V rated value - at 230 V rated value - at 230 V rated value - at 230 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value - at 1000 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 7000 V rated value - at 690 V rated value - at 690 V rated value - at 690 V rated value - at 400 V rated value - at 690 V rated value
operating power
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 1000 V rated value at AC-3e at 230 V rated value at 400 V rated value at 500 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 1000 V rated value at 400 V rated value at 1000 V rated value at 1000 V rated value at 400 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 55 kW
at 400 V rated value 75 kW at 500 V rated value 90 kW at 690 V rated value 132 kW at 1000 V rated value 90 kW ■ at AC-3e at 230 V rated value 45 kW at 400 V rated value 75 kW at 500 V rated value 90 kW at 690 V rated value 90 kW at 690 V rated value 90 kW at 1000 V rated value 90 kW at 1000 V rated value 90 kW at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 38 kW ■ at 690 V rated value 55 kW operating apparent power at AC-6a
- at 500 V rated value 90 kW - at 690 V rated value 132 kW - at 1000 V rated value 90 kW ■ at AC-3e - at 230 V rated value 75 kW - at 400 V rated value 90 kW - at 500 V rated value 75 kW - at 690 V rated value 90 kW - at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 38 kW ● at 690 V rated value 55 kW operating apparent power at AC-6a
at 690 V rated value 132 kW at 1000 V rated value 90 kW ■ at AC-3e at 230 V rated value 45 kW at 400 V rated value 75 kW at 500 V rated value 90 kW at 690 V rated value 132 kW at 1000 V rated value 90 kW at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value 38 kW ■ at 690 V rated value 55 kW operating apparent power at AC-6a
 at AC-3e — at 230 V rated value
- at 230 V rated value 45 kW - at 400 V rated value 75 kW - at 500 V rated value 90 kW - at 690 V rated value 132 kW - at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 38 kW • at 690 V rated value 55 kW
 — 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 operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a
 — 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 operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a
 — at 500 V rated value — at 690 V rated value — at 1000 V rated value operating power for approx. 200000 operating cycles at AC-4 ● at 400 V rated value ● at 690 V rated value operating apparent power at AC-6a
- at 1000 V rated value operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a 38 kW 55 kW
at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a 38 kW 55 kW
at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a 38 kW 55 kW
• at 690 V rated value 55 kW operating apparent power at AC-6a
operating apparent power at AC-6a
• up to 230 V for current peak value n=20 rated value 60 000 kVA
• up to 400 V for current peak value n=20 rated value 100 000 VA
• up to 500 V for current peak value n=20 rated value 130 000 VA
• up to 690 V for current peak value n=20 rated value 170 000 VA
• up to 1000 V for current peak value n=20 rated 110 000 VA
value
operating apparent power 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 70 000 VA
• up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 90 000 VA
• up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value 120 000 VA
• up to 1000 V for current peak value n=30 rated 120 000 VA 110 000 VA
value

short-time withstand current in cold operating state up to 40 °C	
Iimited to 1 s switching at zero current maximum	2 727 A; Use minimum cross-section acc. to AC-1 rated value
Ilimited to 1's switching at zero current maximum Ilimited to 5 s switching at zero current maximum	1 831 A; Use minimum cross-section acc. to AC-1 rated value
limited to 3 s switching at zero current maximum	1 300 A; Use minimum cross-section acc. to AC-1 rated value
<u> </u>	
limited to 30 s switching at zero current maximum	850 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	703 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	0.000 4 //
• 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-3e maximum 	750 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	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	300 VA
• at 60 Hz	300 VA
inductive power factor with closing power of the coil	000 V/1
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	0.0
• at 50 Hz	5.8 VA
• at 60 Hz	5.8 VA
inductive power factor with the holding power of the	3.0 VA
coil	
• at 50 Hz	0.8
• at 60 Hz	0.8
closing power of magnet coil at DC	360 W
holding power of magnet coil at DC	5.2 W
closing delay	S.E. ()
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	£0 00 III0
• at AC	40 60 ms
• at DC	40 60 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous 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 at 500 V rated value	2 A
■ at JUU v Tateu value	4.0

 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	J J		
full-load current (FLA) for 3-phase AC motor			
at 480 V rated value	156 A		
at 600 V rated value	144 A		
yielded mechanical performance [hp]			
 for single-phase AC motor 			
— at 230 V rated value	30 hp		
 for 3-phase AC motor 			
 at 200/208 V rated value 	50 hp		
— at 220/230 V rated value	60 hp		
— at 460/480 V rated value	125 hp		
— at 575/600 V rated value	150 hp		
contact rating of auxiliary contacts according to UL	A600 / Q600		
Short-circuit protection			
SHOILEGH GUIL DHOLEGHOH			
design of the fuse link			
design of the fuse link	gG: 355 A (690 V, 100 kA)		
design of the fuse link ● for short-circuit protection of the main circuit — with type of coordination 1 required			
design of the fuse link • for short-circuit protection of the main circuit	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415		
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	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)		
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	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415		
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: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)		
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 Installation/ mounting/ dimensions	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)		
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: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting		
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 Installation/ mounting/ dimensions	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)		
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 Installation/ mounting/ dimensions	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting		
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 Installation/ mounting/ dimensions mounting position fastening method	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm		
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 Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm		
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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 17 mm thickness of connection bar 3 mm diameter of holes 9 mm number of holes connectable conductor cross-section for main contacts stranded 25 ... 120 mm² connectable conductor cross-section for auxiliary contacts 0.25 ... 2.5 mm² solid or stranded • finely stranded with core end processing 0.25 ... 1.5 mm² • finely stranded without core end processing 0.25 ... 2.5 mm² 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) • at AWG cables for auxiliary contacts 2x (24 ... 14) AWG number as coded connectable conductor cross section

Safety 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 protection on the front according to IEC 60529 suitability for use	finger-safe, for vertical contact from the front with box terminal/cover
 safety-related switching OFF 	Yes

24 ... 14

Certificates/ approvals

General Product Approval

• for auxiliary contacts





Confirmation



<u>KC</u>





Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping	other
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other			Railway	
Confirmation	<u>Miscellaneous</u>	Confirmation	Special Test Certificate	Vibration and Shock

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1055-2AF36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1055-2AF36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2AF36

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

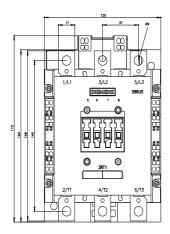
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1055-2AF36&lang=en

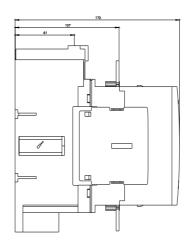
Characteristic: Tripping characteristics, I2t, Let-through current

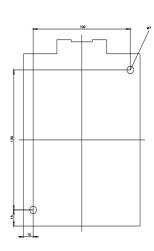
https://support.industry.siemens.com/cs/ww/en/ps/3RT1055-2AF36/char

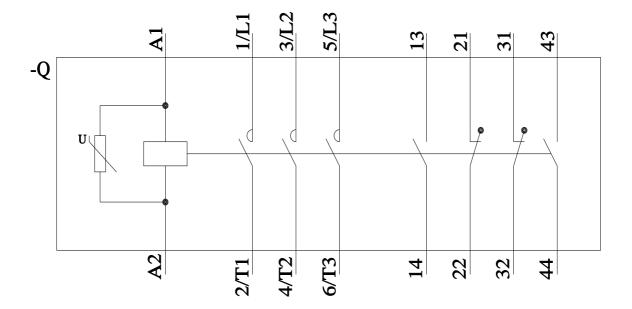
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1055-2AF36&objecttype=14&gridview=view1









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