SIEMENS

Data sheet 3RT1065-6PF35



CONTACTOR, 132KW/400V/AC-3 AC(50...60HZ)/DC OPERATION UC 96-127V AUXILIARY CONTACTS 1NO+1NC 3-POLE, SIZE S10 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH PLC/SIMOCODE INTERFACE AND REMAIN. LIFETIME INDICATOR

Figure similar

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT1

General technical data	
Size of contactor	S10
Product extension	
 function module for communication 	No
Auxiliary switch	Yes
Insulation voltage	
• rated value	1 000 V
Degree of pollution	3
Surge voltage resistance rated value	8 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 	690 V
60947-1	
Protection class IP	
• on the front	IP00

• of the terminal	IP00
of the terminal Shock registered at rectangular impulse.	IF00
Shock resistance at rectangular impulse	8,5g / 5 ms, 4,2g / 10 ms
• at AC	
• at DC	8,5g / 5 ms, 4,2g / 10 ms
Shock resistance with sine pulse	12.4a / E.ma. 6.Ea / 10.ma
• 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)	40,000,000
of contactor typical	10 000 000
 of the contactor with added electronics- compatible auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
Ambient conditions	
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 	1 000 V
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	330 A
● at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	330 A
 up to 690 V at ambient temperature 60 °C rated value 	300 A
— up to 1000 V at ambient temperature 40 °C rated value	150 A
— up to 1000 V at ambient temperature 60 °C rated value	150 A
● at AC-2 at 400 V rated value	265 A
● at AC-3	
— at 400 V rated value	265 A
— at 500 V rated value	265 A
— at 690 V rated value	265 A
— at 1000 V rated value	95 A
Connectable conductor cross-section in main circuit at AC-1	

● at 40 °C minimum permissible 185 mm³ Operating current for approx. 200000 operating cycles at AC-4 117 A ● at 690 V rated value 105 A Operating current 105 A ● at 100 V rated value 300 A — at 24 V rated value 300 A — at 110 V rated value 33 A — at 220 V rated value 0.9 A — at 600 V rated value 0.6 A • with 2 current paths in series at DC-1 300 A — at 140 V rated value 300 A — at 140 V rated value 300 A — at 220 V rated value 300 A — at 240 V rated value 2 A — at 440 V rated value 2 A — at 600 V rated value 300 A — at 24 V rated value 5.2 A Operating current 11 A • at 600 V rated value 30 A — at 24 V rated value 30 A — at 24 V ra	• at 60 °C minimum permissible	185 mm²
oycles at AC-4 • at 400 V rated value • at 690 V rated value 105 A Operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 240 V rated value — at 600 V rated value — at 220 V rated value — at 240 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 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 va	• at 40 °C minimum permissible	185 mm²
• at 400 V rated value • at 690 V rated value 105 A Operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 24 V rated value — at 25 V rated value — at 26 0V rated value — at 26 0V rated value — at 27 V rated value — at 28 V rated value — at 400 V rated value — at 400 V rated value — at 24 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 110 V rated value — at 20 V rated value — at 110 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 220 V rated value — at 440 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 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 440 V rated value — at 4	Operating current for approx. 200000 operating	
	cycles at AC-4	
Operating current ■ at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 220 V rated value — at 240 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 210 V rated value — at 220 V rated value — at 220 V rated value — at 600 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 24 V rated value — at 240 V rated value — at 220 V rated value — at 240 V rated value — at 240 V rated value — at 300 A — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 220 V rated value — at 600 V rated value — at 24 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 20 V rated value	• at 400 V rated value	
at 1 current path at DC-1 — at 24 V rated value		105 A
- at 110 V rated value 3.8 A - at 220 V rated value 0.9 A - at 440 V rated value 0.6 A - at 600 V rated value 0.6 A - at 600 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 600 V rated value 2A - at 600 V rated value 300 A - at 440 V rated value 4A - at 600 V rated value 300 A - at 440 V rated value 300 A - at 110 V rated value 300 A - at 1220 V rated value 300 A - at 140 V rated value 11 A - at 600 V rated value 5.2 A - at 440 V rated value 5.2 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 120 V rated value 300 A - at 120 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 300 A - at 24 V rated value 300 A - at 300 A - at 300 A - at 300 A -	• at 1 current path at DC-1	
- at 220 V rated value	— at 24 V rated value	
- at 440 V rated value	— at 110 V rated value	
 → at 600 V rated value ♦ with 2 current paths in series at DC-1 — at 24 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 24 V rated value — at 24 V rated value — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value — at 250 V rated value — at 260 V rated value — at 27 V rated value — at 27 V rated value — at 28 V rated value — at 290 V rated value — at 200 V rated value — at 200 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 200 V rated value — at 440 V rated v	— at 220 V rated value	
with 2 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 4A - at 440 V rated value 2A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 120 V rated value 300 A - at 220 V rated value 0.18 A - at 600 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 24 V rated value 300 A	— at 600 V rated value	0.6 A
- at 110 V rated value 300 A - at 220 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 3A - at 220 V rated value 3A - at 220 V rated value 0.18 A - at 440 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 600 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A	with 2 current paths in series at DC-1	
- at 220 V rated value 300 A - at 440 V rated value 4 A - at 600 V rated value 2 A • with 3 current paths in series at DC-1 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 3A A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 200 V rated value 300 A - at 200 V rated value 300 A - at 200 V rated value 300 A - at 110 V rated value 300 A - at 200 V rated value 300 A	— at 24 V rated value	
	— at 110 V rated value	300 A
 — at 600 V rated value ● with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value 5.2 A Operating current ● at 1 current path at DC-3 at DC-5 — at 24 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 24 V rated value — at 24 V rated value — at 24 V rated value — at 27 V rated value — at 280 V rated value — at 290 V rated value — at 200 V rated value — at 200 V rated value — at 250 V rated value — at 260 V rated value — at 27 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 24 V rated value 	— at 220 V rated value	300 A
with 3 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	4 A
- at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 440 V rated value 11 A - at 600 V rated value 5.2 A Operating current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 0.125 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 300 V rated value 300 A - at 440 V rated value 300 A	— at 600 V rated value	2 A
- at 110 V rated value 300 A - at 220 V rated value 11 A - at 600 V rated value 5.2 A Operating current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - at 110 V rated value 3A - at 220 V rated value 0.6 A - at 440 V rated value 0.18 A - at 600 V rated value 0.125 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 300 A - at 110 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 220 V rated value 300 A - at 240 V rated value 300 A - at 270 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 440 V rated value 300 A - at 300 V rated value 300 A - at 440 V rated value 300 A - at 300 V rated value 300 A - at 300 V rated value 300 A - at 300 V rated value 300 A - at 440 V rated value 300 A	 with 3 current paths in series at DC-1 	
— at 220 V rated value 300 A — at 440 V rated value 11 A — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 3 A — at 220 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 600 V rated value 0.65 A — at 600 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 300 A	— at 24 V rated value	300 A
— at 440 V rated value 11 A — at 600 V rated value 5.2 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 440 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.65 A — at 600 V rated value 300 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A	— at 110 V rated value	300 A
— at 600 V rated value 5.2 A Operating current ■ at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 420 V rated value 0.18 A — at 600 V rated value 0.125 A ■ with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 24 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.65 A — at 600 V rated value 300 A — at 220 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 300 A — at 440 V rated value 300 A — at 600 V rated value 300 A — at 600 V rated value 300 A — at 600 V rated value 300 A ■ with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A	— at 220 V rated value	300 A
Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 0.6 A — at 420 V rated value 0.18 A — at 600 V rated value 0.125 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 2.5 A — at 440 V rated value 0.65 A — at 600 V rated value 0.65 A — at 600 V rated value 300 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 30.37 A	— at 440 V rated value	11 A
 at 1 current path at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 3 A — at 220 V rated value 0.6 A — at 440 V rated value 0.125 A with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A — at 110 V rated value 300 A — at 110 V rated value 300 A — at 220 V rated value 300 A — at 440 V rated value 300 A — at 24 V rated value 300 A 300 A 	— at 600 V rated value	5.2 A
- at 24 V rated value - at 110 V rated value - at 220 V rated value - at 440 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 300 A - at 110 V rated value 300 A - at 110 V rated value 300 A - 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 220 V rated value - at 220 V rated value 300 A	Operating current	
 at 110 V rated value at 220 V rated value 0.6 A at 440 V rated value 0.18 A at 600 V rated value 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 440 V rated value at 600 V rated value at 600 V rated value at 600 V rated value at 24 V rated value 300 A at 220 V rated value 305 A at 24 V rated value 307 A with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A 	• at 1 current path at DC-3 at DC-5	
 — at 220 V rated value — at 440 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 — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 	— at 24 V rated value	300 A
 at 440 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 at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value at 600 V rated value at 24 V rated value 300 A 	— at 110 V rated value	3 A
 — at 600 V rated value ● 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 440 V rated value — at 600 V rated value ● with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 0.65 A 0.37 A ● with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 	— at 220 V rated value	0.6 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 440 V rated value — at 600 V rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 2.5 A 0.65 A 0.37 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 300 A 	— at 440 V rated value	0.18 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A 300 A 	— at 600 V rated value	0.125 A
 at 110 V rated value at 220 V rated value 5 A at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A 	• with 2 current paths in series at DC-3 at DC-5	
 at 220 V rated value at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A 	— at 24 V rated value	300 A
 at 440 V rated value at 600 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value 300 A 	— at 110 V rated value	300 A
 — at 600 V rated value ● with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A 	— at 220 V rated value	2.5 A
• with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 300 A	— at 440 V rated value	0.65 A
— at 24 V rated value 300 A	— at 600 V rated value	0.37 A
	• with 3 current paths in series at DC-3 at DC-5	
— at 110 V rated value 300 A	— at 24 V rated value	300 A
	— at 110 V rated value	300 A

10001/	200 A
— at 220 V rated value	300 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
Operating power	
● at AC-1	
— at 230 V at 60 °C rated value	113 kW
— at 400 V rated value	197 kW
— at 400 V at 60 °C rated value	197 kW
— at 690 V rated value	340 kW
— at 690 V at 60 °C rated value	340 kW
— at 1000 V at 60 °C rated value	246 kW
• at AC-2 at 400 V rated value	132 kW
• at AC-3	
— at 230 V rated value	85 kW
— at 400 V rated value	132 kW
— at 500 V rated value	160 kW
— at 690 V rated value	250 kW
— at 1000 V rated value	132 kW
Operating power for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	66 kW
• at 690 V rated value	102 kW
Thermal short-time current limited to 10 s	2 400 A
Power loss [W] at AC-3 at 400 V for rated value of the operating current per conductor	18 W
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	700 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	AO/DO
Type of voltage of the control supply voltage	AC/DC
Control supply voltage at AC ● at 50 Hz rated value	96 127 V
	96 127 V
at 60 Hz rated value Control supply voltage at DC	50 127 V
Control supply voltage at DC	96 127 V
rated value Operating range factor control supply voltage rated.	30 127 V
Operating range factor control supply voltage rated value of magnet coil at AC	
.a.a. or magnet oon at / to	

● 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	530 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.8
Apparent holding power of magnet coil at AC	
● at 50 Hz	5 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	0.5
Closing power of magnet coil at DC	580 W
Holding power of magnet coil at DC	3.4 W
Closing delay	
• at AC	45 80 ms
• at DC	45 80 ms
Opening delay	
• at AC	80 100 ms
• at DC	80 100 ms
Arcing time	10 15 ms
Auxiliary circuit	
Number of NC contacts	
 for auxiliary contacts 	

Auxiliary circuit	Auxiliary circuit	
Number of NC contacts		
• for auxiliary contacts		
— instantaneous contact	1	
Number of NO contacts		
 for auxiliary contacts 		
— instantaneous contact	1	
Operating current at AC-12 maximum	10 A	
Operating 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	
Operating 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	

Operating 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 three-phase AC motor	
• at 480 V rated value	240 A
• at 600 V rated value	242 A
Yielded mechanical performance [hp]	
 for three-phase AC motor 	
— at 200/208 V rated value	75 hp
— at 220/230 V rated value	100 hp
— at 460/480 V rated value	200 hp
— at 575/600 V rated value	250 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
 — with type of assignment 2 required
 Fuse gG: 500 A
 Fuse gG: 400 A
 fuse gG: 400 A

• for short-circuit protection of the auxiliary switch
required

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
Mounting type	screw fixing
 Side-by-side mounting 	Yes
Height	210 mm
Width	165 mm
Depth	202 mm
Required spacing	
 for grounded parts 	
— at the side	10 mm

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COHIL	ections/		HallS

Type of electrical connection

• for main current circuit	screw-type terminals		
 for auxiliary and control current circuit 	screw-type terminals		
Type of connectable conductor cross-sections			
 at AWG conductors for main contacts 	2/0 500 kcmil		
Type of connectable conductor cross-sections			
 for auxiliary contacts 			
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)		
 single or multi-stranded 	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)		
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)		
 at AWG conductors for auxiliary contacts 	2x (20 16), 2x (18 14), 1x 12		

Safety		

Product function

Mirror contact acc. to IEC 60947-4-1

• positively driven operation acc. to IEC 60947-5-

Protection against electrical shock

Yes No

finger-safe when touched vertically from front acc. to IEC 60529

Certificates/approvals

General Product Approval

Functional Safety/Safety of Machinery Declaration of Conformity









Type Examination
Certificate



Test Certificates

Marine / Shipping

Type Test
Certificates/Test
Report

Special Test Certificate









other

Confirmation

Environmental Confirmations

Miscellaneous

Further information

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

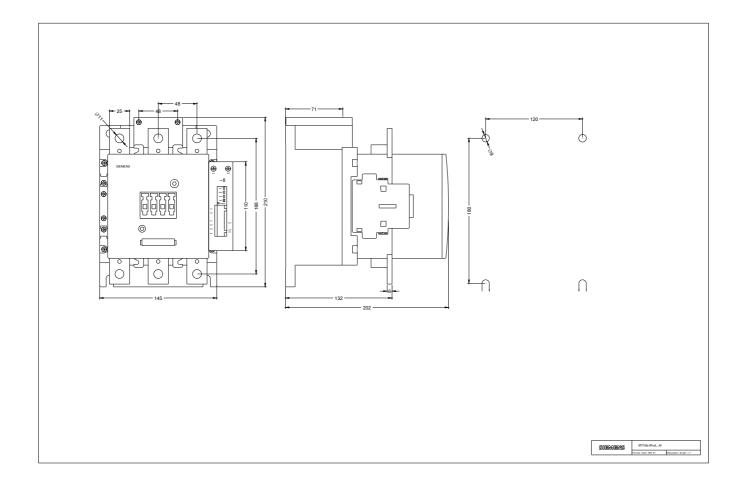
 $\underline{ https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1065-6PF35}$

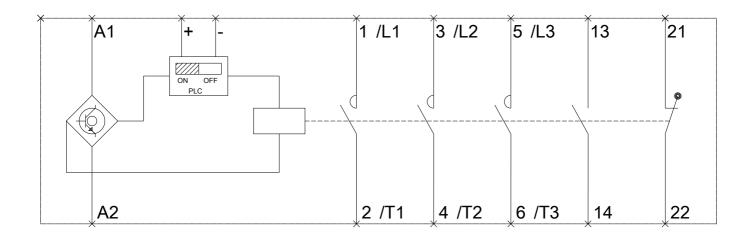
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1065-6PF35

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT1065-6PF35

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1065-6PF35&lang=en





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