SIEMENS

Data sheet 3RT1036-1BB44



CONTACTOR, AC-3 22 KW/400 V, DC 24 V, 3-POLE, 2 NO + 2 NC, SIZE S2, SCREW CONNECTION

Figure similar

product brand name	SIRIUS
Product designation	power contactor

S2
690 V
3
6 kV
10 000 000
5 000 000
10 000 000
IP00
IP00
Q
Q

Ambient conditions:			
Installation altitude at height above sea level	2 000 m		
maximum			
Ambient temperature			
during operation	-25 +60 °C		

 during storage 	-55 +80 °C

Number of poles for main current circuit 3 Number of NC contacts for main contacts 0 Number of NC contacts for main contacts 3 Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value • at 690 V Rated value • at 100 V Rated value • at 24 V Rated value • at 24 V Rated value • at 24 V Rated value • at 110 V Rated value • at 24 V Rated value • at 110 V Rated value • at 110 V Rated value • at 24 V Rated value • at 25 A • with 3 current paths in series at DC-3 — at 24 V Rated value • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-3 — at 24 V Rated value • with 1 current paths in series at DC-3 — at 24 V Rated value • with 2 current paths in series at DC-3 — at 24 V Rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V Rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V Rated value • with 3 current paths in series at DC-3 at DC-5 — at 24 V Rated value • with 3 current paths in series at DC-3 at DC-5 • with 3 current paths in series at DC-3 at DC-5 • with 3 current paths in series at DC-3 at DC-5 • with 3 current paths in series at DC-3 at DC-5	Main circuit:	
Number of NC contacts for main contacts 0 Number of NO contacts for main contacts 2 Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 16 mm² • at 40 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 690 V Rated value • at AC-4 • at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 110 V Rated value • with 1 current path at DC-1 — at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 1 Current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 1 Current paths in series at DC-1 — at 24 V Rated value • with 1 Current paths in series at DC-5 — at 24 V Rated value • 55 A Operating current • with 1 current paths in series at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value — at 12 V Rated value		3
Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible Operating current • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value • at AC-3 — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value • at AC-3 — at 400 V Rated value • at AC-4 • at 400 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 100 V Rated value • at 100 V Rated value • at 24 V Rated value • at 110 V Rated value • at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-3 — at 110 V Rated value • 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • 35 A — at 110 V Rated value • 55 A Operating current • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value • 25 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value • 25 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • 25 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • 25 A	•	0
at AC-1	Number of NO contacts for main contacts	3
• at 60 °C minimum permissible • at 40 °C minimum permissible • at 40 °C minimum permissible • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value — at ambient temperature 60 °C Rated value — at ambient temperature 60 °C Rated value — at 400 V Rated value — at 690 V Rated value • at AC-3 — at 400 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 100 V Rated value • at 24 V Rated value • with 1 current path at DC-1 — at 24 V Rated value • at 110 V Rated value • at 110 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-5 — at 110 V Rated value • 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 1 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • xith 2 Current paths in series at DC-5 — at 24 V Rated value • xith 2 Current paths in series at DC-5	Connectable conductor cross-section in main circuit	
• at 40 °C minimum permissible Operating current • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value • at AC-3 — at 690 V Rated value • at AC-4 • at 400 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 190 V Rated value • at 110 V Rated value • with 1 current path at DC-1 — at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 1 current path at DC-3 at DC-5 — at 110 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • xith 2 current paths in series at DC-5 — at 24 V Rated value • xith 2 current paths in series at DC-5 — at 24 V Rated value • xith 2 x Rated value • xith 2 x Rated value • xith 2 x Rated value	at AC-1	
Operating current • at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value • at AC-3 — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value — at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 100 V Rated value • at 100 V Rated value • at 110 V Rated value — at 110 V Rated value 55 A • with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 55 A • with 1 current paths in series at DC-5 — at 24 V Rated value 35 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 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 • 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 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 55 A	 at 60 °C minimum permissible 	16 mm²
• at AC-1 at 400 V — at ambient temperature 40 °C Rated value • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value — at ambient temperature 60 °C Rated value — at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value — at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 400 V Rated value • at 690 V Rated value • at 110 V Rated value • with 1 current path at DC-1 — at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 1 current path at DC-3 at DC-5 — at 110 V Rated value • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 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 • 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 • with 2 varent paths in series at DC-3 at DC-5 — at 24 V Rated value • with 2 varent paths in series at DC-3 at DC-5 — at 24 V Rated value	• at 40 °C minimum permissible	16 mm²
- at ambient temperature 40 °C Rated value • at AC-1 up to 690 V - at ambient temperature 40 °C Rated value - at ambient temperature 60 °C Rated value • at AC-3 - at 400 V Rated value • at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 100 V Rated value • at 100 V Rated value • at 100 V Rated value • with 1 current path at DC-1 - at 24 V Rated value • with 2 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 1 current paths in series at DC-5 - at 24 V Rated value • with 1 current path at DC-3 at DC-5 - at 24 V Rated value • with 2 current paths in series at DC-5 - at 24 V Rated value • with 1 current path at DC-3 at DC-5 - at 24 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value - at 24 V Rated value • 35 A - at 110 V Rated value • 35 A - at 24 V Rated value • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value - at 24 V Rated value	Operating current	
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- at ambient temperature 40 °C Rated value - at ambient temperature 60 °C Rated value 55 A • at AC-3 - at 400 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at 690 V Rated value • at 110 V Rated value - at 24 V Rated value - at 110 V Rated value • with 2 current path at DC-1 - at 24 V Rated value - at 110 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 1 current paths at DC-3 at DC-5 - at 24 V Rated value • with 1 current path at DC-3 at DC-5 - at 24 V Rated value • with 2 current paths in series at DC-5 - at 24 V Rated value • with 3 current path at DC-3 at DC-5 - at 24 V Rated value • with 2 current path 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 • 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 110 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 110 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 110 V Rated value • 55 A	— at ambient temperature 40 °C Rated value	60 A
 at ambient temperature 60 °C Rated value at AC-3 — at 400 V Rated value at AC-4 at 400 V Rated value 41 A Operating current for ≥ 200000 operating cycles at AC-4 at 400 V Rated value at 400 V Rated value at 690 V Rated value at 690 V Rated value with 1 current path at DC-1 — at 24 V Rated value — at 110 V Rated value with 2 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value with 3 current paths in series at DC-1 — at 24 V Rated value with 3 current paths in series at DC-1 — at 24 V Rated value with 1 current path at DC-3 at DC-5 — at 24 V Rated value 55 A Operating current with 1 current path at DC-3 at DC-5 — at 24 V Rated value 55 A Operating current with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A at 110 V Rated value with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 55 A 	● at AC-1 up to 690 V	
at AC-3 — at 400 V Rated value — at 690 V Rated value at AC-4 at 400 V Rated value at AC-4 at 400 V Rated value Operating current for ≥ 200000 operating cycles at AC-4 at 400 V Rated value at 690 V Rated value at 690 V Rated value at 690 V Rated value at 100 V Rated value with 1 current path at DC-1 — at 24 V Rated value — at 110 V Rated value with 3 current paths in series at DC-1 — at 24 V Rated value at 110 V Rated value with 3 current paths in series at DC-1 — at 24 V Rated value with 1 current path at DC-3 at DC-5 — at 110 V Rated value standard value stand	— at ambient temperature 40 °C Rated value	60 A
- at 400 V Rated value - at 690 V Rated value • at AC-4 at 400 V Rated value 41 A Operating current for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value • with 1 current path at DC-1 - at 24 V Rated value • with 2 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value • with 3 current paths in series at DC-1 - at 24 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 - at 24 V Rated value 35 A - at 110 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 110 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 110 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 • 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 • with 2 current paths in series at DC-3 at DC-5	— at ambient temperature 60 °C Rated value	55 A
- at 690 ∨ Rated value • at AC-4 at 400 ∨ Rated value 41 A Operating current for ≥ 200000 operating cycles at AC-4 • at 400 ∨ Rated value • at 690 ∨ Rated value • at 690 ∨ Rated value 12.6 A Operating current • with 1 current path at DC-1 — at 24 ∨ Rated value • with 2 current paths in series at DC-1 — at 24 ∨ Rated value 55 A • with 3 current paths in series at DC-1 — at 24 ∨ Rated value 55 A • with 3 current paths in series at DC-1 — at 24 ∨ Rated value 55 A • with 3 current paths in series at DC-1 — at 24 ∨ Rated value 55 A • with 3 current paths in series at DC-1 — at 24 ∨ Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 110 ∨ Rated value 35 A 2.5 A • with 2 current paths in series at DC-3 at DC-5 — at 24 ∨ Rated value 35 A 2.5 A	• at AC-3	
• at AC-4 at 400 V Rated value Operating current for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value • with 1 current path at DC-1 — at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value 55 A • with 1 current path at DC-3 at DC-5 — at 110 V Rated value • with 1 current path in series at DC-3 — at 24 V Rated value • with 1 current path in series at DC-5 — at 24 V Rated value 25 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 25 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 55 A	— at 400 V Rated value	50 A
Operating current for ≥ 200000 operating cycles at AC-4 24 A • at 400 V Rated value 12.6 A Operating current 12.6 A • with 1 current path at DC-1 55 A — at 24 V Rated value 4.5 A • with 2 current paths in series at DC-1 55 A — at 110 V Rated value 25 A • with 3 current paths in series at DC-1 55 A — at 24 V Rated value 55 A — at 110 V Rated value 55 A — at 110 V Rated value 55 A Operating current 55 A • with 1 current path at DC-3 at DC-5 35 A — at 24 V Rated value 35 A — at 110 V Rated value 2.5 A • with 2 current paths in series at DC-3 at DC-5 2.5 A • with 2 current paths in series at DC-3 at DC-5 2.5 A • with 2 current paths in series at DC-3 at DC-5 2.5 A	— at 690 V Rated value	24 A
AC-4 • at 400 V Rated value • at 690 V Rated value 12.6 A Operating current • with 1 current path at DC-1 — at 24 V Rated value • with 2 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value • with 3 current paths in series at DC-1 — at 24 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 110 V Rated value 35 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 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 110 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 110 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value • with 2 current paths in series at DC-5 — at 24 V Rated value	• at AC-4 at 400 V Rated value	41 A
■ at 400 V Rated value ■ at 690 V Rated value 12.6 A Operating current ● with 1 current path at DC-1 — at 24 V Rated value — at 110 V Rated value ● with 2 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 55 A — at 110 V Rated value 55 A — at 110 V Rated value 55 A ● with 3 current paths in series at DC-1 — at 24 V Rated value 55 A ● with 3 current paths in series at DC-1 — at 24 V Rated value 55 A — at 110 V Rated value 55 A Operating current ● with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value 35 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 35 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 35 A • with 2 Current paths in series at DC-3 at DC-5 — at 24 V Rated value 55 A		
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Operating current • with 1 current path at DC-1 — at 24 V Rated value — at 110 V Rated value 4.5 A • with 2 current paths in series at DC-1 — at 24 V Rated value 55 A — at 110 V Rated value 55 A — at 110 V Rated value 55 A • with 3 current paths in series at DC-1 — at 24 V Rated value 55 A • with 3 current paths in series at DC-1 — at 24 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value 35 A — at 110 V Rated value 2.5 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value 55 A		
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- at 24 V Rated value - at 110 V Rated value - with 2 current paths in series at DC-1 - at 24 V Rated value - at 110 V Rated value - at 110 V Rated value - at 24 V Rated value - at 24 V Rated value - at 24 V Rated value - at 110 V Rated value - at 110 V Rated value - at 110 V Rated value Operating current with 1 current path at DC-3 at DC-5 - at 24 V Rated value - at 110 V Rated value with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value at 110 V Rated value - at 110 V Rated value S5 A at 110 V Rated value 55 A		
 at 110 V Rated value with 2 current paths in series at DC-1 at 24 V Rated value at 110 V Rated value with 3 current paths in series at DC-1 at 24 V Rated value at 24 V Rated value at 24 V Rated value at 110 V Rated value with 1 current path at DC-3 at DC-5 at 24 V Rated value at 110 V Rated value 55 A 	•	
• with 2 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 55 A • with 3 current paths in series at DC-1 — at 24 V Rated value 55 A — at 110 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value 2.5 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 35 A - at 110 V Rated value 55 A		
 — at 24 V Rated value — at 110 V Rated value ● with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 55 A Operating current ● with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value ● with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 25 A — at 24 V Rated value — at 24 V Rated value — at 25 A — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value 		4.5 A
 — at 110 V Rated value ● with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 55 A — at 110 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value 55 A 	·	
 with 3 current paths in series at DC-1 — at 24 V Rated value 55 A — at 110 V Rated value 55 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value 2.5 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 55 A 		
 — at 24 V Rated value — at 110 V Rated value 55 A Operating current with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 55 A 		25 A
 — at 110 V Rated value 55 A Operating current with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value 2.5 A with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 55 A 	·	
Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 55 A	— at 24 V Rated value	
 with 1 current path at DC-3 at DC-5 — at 24 V Rated value 35 A — at 110 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 25 A — at 24 V Rated value 55 A 		55 A
 at 24 V Rated value at 110 V Rated value with 2 current paths in series at DC-3 at DC-5 at 110 V Rated value at 24 V Rated value 55 A 		
 — at 110 V Rated value ● with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value 55 A 	with 1 current path at DC-3 at DC-5	
 with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value 55 A 		
 — at 110 V Rated value — at 24 V Rated value 55 A 	— at 110 V Rated value	2.5 A
— at 24 V Rated value 55 A	• with 2 current paths in series at DC-3 at DC-5	
	— at 110 V Rated value	25 A
• with 3 current paths in series at DC-3 at DC-5	— at 24 V Rated value	55 A
	• with 3 current paths in series at DC-3 at DC-5	

— at 110 V Rated value	55 A
— at 24 V Rated value	55 A
Operating power	
• at AC-1	
— at 230 V at 60 °C Rated value	22 kW
— at 690 V at 60 °C Rated value	66 kW
Operating power for ≥ 200000 operating cycles at	
AC-4	
● at 400 V Rated value	12.6 kW
● at 690 V Rated value	11.4 kW
Thermal short-time current restricted to 10 s	400 A
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor	5 W
No-load switching frequency	
• for DC	1 500 1/h
Operating frequency	
● at AC-1 maximum	1 000 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	800 1/h
at AC-4 maximum	300 1/h
Control circuit/ Control:	
Type of voltage of the control supply voltage	DC
Control supply voltage for DC	
Rated value	24 V
Operating range factor control supply voltage rated	0.8 1.1
value of the magnet coil for DC	
Closing power of the magnet coil for DC	13.3 W
Holding power of the magnet coil for DC	13.3 W
Closing delay	60 100 ms
• for DC	10 15 ms
Arcing time	10 15 IIIS
Auxiliary circuit:	
Number of NC contacts	
for auxiliary contacts	
— instantaneous contact	2
Number of NO contacts	
for auxiliary contacts	
— instantaneous contact	2
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 60 V Rated value	2 A
• -t 00 \/ D-tl	
• at 24 V Rated value	10 A
Operating current at DC-13	
• at 220 V Rated value	1 A
• at 110 V Rated value	3 A
• at 60 V Rated value	6 A
• at 60 V Rated value	6 A

UL/CSA ratings:

Contact rating of the auxiliary contacts acc. to UL A600 / Q600

Short-circuit:

required

Design of the fuse link

• for short-circuit protection of the main circuit

— with type of assignment 1 required
 — with type of assignment 2 required
 fuse gL/gG: 160 A
 fuse gL/gG: 80 A
 fuse gL/gG: 10 A

Installation/ mounting/ dimensions:

mstallation/ mounting/ dimensions.	
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
 Side-by-side mounting 	Yes
Height	112 mm
Width	55 mm
Depth	179 mm
Required spacing	
 for grounded parts 	
— at the side	6 mm

Connections/ Terminals:

Type of electrical confidention	
for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	screw-type terminals
Type of connectable conductor cross-section	

• for main contacts

— solid	2x (0.75 16 mm²)
— stranded	2x (0.75 25 mm²)
— single or multi-stranded	2x (0,75 16 mm²)
— finely stranded with core end processing	2x (0.75 16 mm²)
— finely stranded without core end	2x (0.75 16 mm²)
processing	

• for AWG conductors for main contacts

2x (18 ... 2)

Type of connectable conductor cross-section

• for auxiliary contacts

- solid

finely stranded with core end processing

• for AWG conductors for auxiliary contacts

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

Certificates/ approvals:

General Product Approval		Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	
(SA)	UL UL	EHC	Type Examination	EG-Konf.	Type Test Certificates/Test Report

Test Certificates	Shipping Ap	proval		
Special Test	CAN B	0 0		IN

Certificate











Shipping	other
Approval	



Environmental Confirmations

Confirmation

other

Further information

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

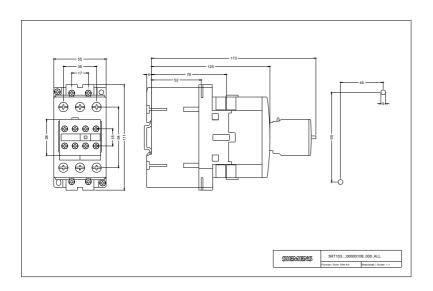
Cax online generator

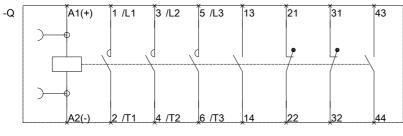
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10361BB44

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT10361BB44

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT10361BB44&lang=en





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