SIEMENS

Data sheet 3RT1064-6NP36



CONTACTOR, 110KW/400V/AC-3 AC(40...60HZ)/DC OPERATION UC 200-277V AUXILIARY CONTACTS 2NO+2NC 3-POLE, SIZE S10 BAR CONNECTIONS ELECTRONIC OPERATING MECHANISM WITH 24V DC PLC INTERFACE SCREW TERMINAL

Figure similar

product brand name	SIRIUS
Product designation	power contactor

General technical data:	
Size of contactor	S10
Insulation voltage	
Rated value	1 000 V
Degree of pollution	3
Surge voltage resistance Rated value	8 kV
Mechanical service life (switching cycles)	
 of the contactor typical 	10 000 000
of the contactor with added electronics-	5 000 000
compatible auxiliary switch block typical	
 of the contactor with added auxiliary switch block typical 	10 000 000
Protection class IP	
• on the front	IP00
• of the terminal	IP00
Equipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	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 NO contacts for main contacts 3 Connectable conductor cross-section in main circuit at AC-1	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 120 mm² • 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 up to 690 V — at ambient temperature 40 °C Rated value • at AC-3 — at 400 V Rated value — at about V Rated value — at 690 V Rated value — 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 400 V Rated value • at 100 V Rated value • at 225 A • at 400 V Rated value • at 100 V Rated value • at 200 V Rated value • at 110 V Rated value — at 110 V Rated value — at 110 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 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value • with 1 Current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value • with 1 Current paths in series at DC-3 — at 24 V Rated value — at 110 V Rated value • with 1 Current paths in series at DC-3 — at 24 V Rated value — at 110 V Rated value — at 200 A — at 24 V Rated value — at 24	Number of poles for main current circuit	3
Connectable conductor cross-section in main circuit at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 150 mm² Coperating 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 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 AC-4 at 400 V Rated value • at 400 V Rated value • at 690 V Rated value • at 690 V Rated value • at 400 V Rated value • at 100 V Rated value • at 100 V Rated value • 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 — at 110 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 — at 24 V Rated value	Number of NC contacts for main contacts	0
at AC-1 • at 60 °C minimum permissible • at 40 °C minimum permissible 150 mm² 70perating 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 ambient temperature 60 °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 690 V Rated value • at 690 V Rated value • at 690 V Rated value • at 400 V Rated value • at 110 V Rated value • at 110 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-1 — 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 1 current paths in series at DC-3 — 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-3 — at 24 V Rated value • with 2 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 2 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 2 current paths in series at DC-3 — at 24 V Rated value • with 2 current paths in series at DC-3 • with 2 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 2 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	Number of NO contacts for main contacts	3
■ at 40 °C minimum permissible ■ at 40 °C minimum permissible ■ at 40 °C minimum permissible ■ 150 mm² 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 ambient temperature 60 °C Rated value ■ at AC-3 — at 400 V Rated value ■ at AC-4 at 400 V Rated value ■ at 100 V Rated value ■ at 400 V Rated value ■ at 400 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 — at 24 V Rated value — at 110 V Rated value — at 110 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 ②00 A with 3 current paths in series at DC-5 — at 24 V Rated value ④ 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 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 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 24 V Rated value • with 2 current paths in	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 40 °C Rated value • at AC-3 — at ambient temperature 60 °C Rated value — at ambient temperature 60 °C Rated value — at ambient temperature 60 °C Rated value — at 690 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 1400 V Rated value • at 690 V Rated value • at 1400 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 • with 3 current paths in series at DC-1 — at 24 V Rated value • with 10 V Rated value • with 1 Current paths in series at DC-1 — at 24 V Rated value • with 10 V Rated value • with 1 Current paths 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 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 200 A	at AC-1	
Operating current • at AC-1 at 400 V — at ambient temperature 40 °C Rated value 275 A • at AC-1 up to 690 V — at ambient temperature 40 °C Rated value 275 A — at ambient temperature 60 °C Rated value 250 A • at AC-3 — at 400 V Rated value 225 A — at 690 V Rated value 225 A • at AC-4 at 400 V Rated value 195 A Operating current for ≥ 200000 operating cycles at AC-4 4 • at 400 V Rated value 96 A • at 690 V Rated value 85 A Operating current • with 1 current path at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A • with 2 current paths in series at DC-1 200 A — at 110 V Rated value 200 A • with 3 current paths in series at DC-1 200 A — at 110 V Rated value 200 A • with 1 current path at DC-3 at DC-5 200 A — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 25 A • with 2 current paths in series at DC-3 at DC-5 25 A • with 2 current paths in series at DC-3 at DC-5 25 A	• at 60 °C minimum permissible	120 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 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 400 V Rated value • at 690 V Rated value • at 400 V Rated value • at 110 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 — at 110 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-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-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 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 24 V Rated value • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value	• at 40 °C minimum permissible	150 mm ²
- 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 AC-4 at 400 V Rated value • at 690 V Rated value • at 690 V Rated value • at 195 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 • 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-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-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 • 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	Operating current	
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- at ambient temperature 40 °C Rated value - at ambient temperature 60 °C Rated value 250 A • at AC-3 - at 400 V Rated value 225 A - at 690 V Rated value 195 A Operating current for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 96 A • at 690 V Rated value 97 85 A Operating current path at DC-1 - at 24 V Rated value 98 A • with 1 current paths in series at DC-1 - at 24 V Rated value 900 A - at 110 V Rated value 900 A • with 3 current paths in series at DC-1 - at 24 V Rated value 900 A • with 3 current paths in series at DC-1 - at 24 V Rated value 900 A • with 3 current paths in series at DC-1 - at 24 V Rated value 900 A • with 10 V Rated value 900 A • with 3 current paths in series at DC-1 - at 24 V Rated value 900 A • with 1 current path at DC-3 at DC-5 - at 24 V Rated value 900 A Operating current • with 1 current path at DC-3 at DC-5 - at 24 V Rated value 900 A • with 2 current paths in series at DC-3 at DC-5 - at 110 V Rated value 900 A	— at ambient temperature 40 °C Rated value	275 A
 — 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 195 A Operating current for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value 96 A • 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 • 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 — at 110 V Rated value 200 A • 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 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 	● 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 195 A 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 • 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 • 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-3 at DC-5 — at 24 V Rated value — at 110 V Rated value — at 24 V Rated value	— at ambient temperature 40 °C Rated value	275 A
- at 400 V Rated value - at 690 V Rated value • at AC-4 at 400 V Rated value 195 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 - at 110 V Rated value • with 1 current paths at DC-3 at DC-5 - 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 - at 24 V Rated value	— at ambient temperature 60 °C Rated value	250 A
- at 690 V Rated value • at AC-4 at 400 V Rated value 195 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 — at 110 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 — at 110 V Rated value — at 24 V Rated value	• 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 200 A • 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 200 A • with 1 current path at DC-3 at DC-5 — at 24 V Rated value • with 1 current path at DC-3 at DC-5 — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A	— at 400 V Rated value	225 A
Operating current for ≥ 200000 operating cycles at AC-4 96 A • at 400 V Rated value 85 A Operating current 85 A • with 1 current path at DC-1 200 A — at 24 V Rated value 18 A • with 2 current paths in series at DC-1 200 A — at 110 V Rated value 200 A • with 3 current paths in series at DC-1 200 A — at 24 V Rated value 200 A • with 1 current path at DC-3 at DC-5 200 A — at 24 V Rated value 200 A • with 1 current path at DC-3 at DC-5 200 A — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 25 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A • with 2 current paths in series at DC-3 at DC-5 200 A	— at 690 V Rated value	225 A
AC-4 • at 400 ∨ Rated value	• at AC-4 at 400 V Rated value	195 A
• at 400 V Rated value 96 A • at 690 V Rated value 85 A Operating current • with 1 current path at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 18 A • with 2 current paths in series at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A • with 1 Current path at DC-3 at DC-5 — at 24 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — 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 200 A - at 24 V Rated value 200 A - at 24 V Rated value 200 A	Operating current for ≥ 200000 operating cycles at	
• at 690 V Rated value 85 A Operating current • with 1 current path at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 18 A • with 2 current paths in series at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — 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 200 A - at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A - at 24 V Rated value 200 A — at 24 V Rated value 200 A	AC-4	
Operating current • with 1 current path at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 18 A • with 2 current paths in series at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A • with 3 current paths in series at DC-1 — at 24 V Rated value 200 A — at 110 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 A — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V Rated value 200 A • with 2 current paths in series at DC-3 at DC-5	● at 400 V Rated value	
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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 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 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-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 110 V Rated value 200 A at 24 V Rated value 200 A 	Operating current	
- 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 110 V Rated value 200 A - at 110 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value 200 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 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A 200 A	with 1 current path at DC-1	
• 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 110 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value 200 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 200 A 200 A 200 A	— at 24 V Rated value	
 — 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 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value — at 200 A — at 24 V Rated value — at 200 A — at 24 V Rated value — at 200 A — at 24 V Rated value — at 24 V Rated value 	— at 110 V Rated value	18 A
 at 110 V Rated value with 3 current paths in series at DC-1 at 24 V Rated value 200 A at 110 V Rated value 200 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 110 V Rated value at 200 A 200 A at 24 V Rated value at 200 A 200 A at 24 V Rated value at 200 A 200 A at 24 V Rated value at 200 A 200 A at 24 V Rated value 200 A 200 A at 24 V Rated value 200 A 200 A at 24 V Rated value 200 A 	 with 2 current paths in series at DC-1 	
 with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value 200 A Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value 200 A 200 A 200 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value at 110 V Rated value 200 A 200 A 	— at 24 V Rated value	200 A
 — at 24 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 200 A — at 24 V Rated value 200 A 	— at 110 V Rated value	200 A
— at 110 V Rated value Operating current ● with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 A 200 A 200 A 200 A e with 2 current paths in series at DC-3 at DC-5 — at 110 V Rated value 200 A at 24 V Rated value 200 A 200 A 200 A	 with 3 current paths in series at DC-1 	
Operating current • with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 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 200 A — at 24 V Rated value 200 A	— at 24 V Rated value	200 A
 with 1 current path at DC-3 at DC-5 — at 24 V Rated value 200 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 200 A — at 24 V Rated value 200 A 	— at 110 V Rated value	200 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 200 A — at 24 V Rated value 	Operating current	
 — 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 200 A 200 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 200 A 200 A 	— at 24 V Rated value	200 A
— at 110 V Rated value— at 24 V Rated value200 A	— at 110 V Rated value	2.5 A
— at 24 V Rated value 200 A	• with 2 current paths in series at DC-3 at DC-5	
	— at 110 V Rated value	200 A
• with 3 current paths in series at DC-3 at DC-5	— at 24 V Rated value	200 A
	• with 3 current paths in series at DC-3 at DC-5	

— at 24 V Rated value 200 A 200 A Operating power • at AC-1 — at 230 V at 60 °C Rated value 94 kW — at 690 V at 60 °C Rated value 283 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 54 kW • at 690 V Rated value 82 kW Thermal short-time current restricted to 10 s 1 800 A Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC 2 000 1/h • for DC 2 000 1/h Operating frequency • at AC-1 maximum 750 1/h • at AC-2 maximum 500 1/h • at AC-3 maximum 500 1/h • at AC-4 maximum 500 1/h • at AC-4 maximum 130 1/h		
Operating power • at AC-1 — at 230 V at 60 °C Rated value 94 kW — at 690 V at 60 °C Rated value 283 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 54 kW • at 690 V Rated value 82 kW Thermal short-time current restricted to 10 s 1800 A Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC 2000 1/h • for DC 2000 1/h Operating frequency • at AC-1 maximum 750 1/h • at AC-2 maximum 250 1/h • at AC-3 maximum 500 1/h	— at 110 V Rated value	200 A
at AC-1 — at 230 V at 60 °C Rated value — at 690 V at 60 °C Rated value — at 690 V at 60 °C Rated value Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum 500 1/h • on 1/h • at AC-3 maximum	— at 24 V Rated value	200 A
— at 230 V at 60 °C Rated value — at 690 V at 60 °C Rated value 283 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value 82 kW Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum 500 1/h 54 kW 54 kW 54 kW 57 kW 50 A 50 A 50 A 51 B00 A 52 W 53 KW 54 KW 55 A 56 B00 A 57 W 58 B00 A 59 B00 A 50 B00 A	Operating power	
— at 690 V at 60 °C Rated value 283 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 54 kW • at 690 V Rated value 82 kW Thermal short-time current restricted to 10 s 1800 A Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC 2 000 1/h • for DC 2 000 1/h Operating frequency • at AC-1 maximum 750 1/h • at AC-2 maximum 2500 1/h • at AC-3 maximum 500 1/h	● at AC-1	
Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h 500 1/h	— at 230 V at 60 °C Rated value	94 kW
AC-4 • at 400 V Rated value • at 690 V Rated value Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h 500 1/h	— at 690 V at 60 °C Rated value	283 kW
• at 690 V Rated value Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum		
Thermal short-time current restricted to 10 s Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC 2 000 1/h Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h	• at 400 V Rated value	54 kW
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor No-load switching frequency • with AC • for DC 2 000 1/h Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h	● at 690 V Rated value	82 kW
the operating current per conductor No-load switching frequency • with AC • for DC 2 000 1/h Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h	Thermal short-time current restricted to 10 s	1 800 A
No-load switching frequency 2 000 1/h ● with AC 2 000 1/h ● for DC 2 000 1/h Operating frequency ● at AC-1 maximum 750 1/h ● at AC-2 maximum 250 1/h ● at AC-3 maximum 500 1/h	Active power loss at AC-3 at 400 V for rated value of	17 W
 with AC for DC 2 000 1/h Operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum 500 1/h 	the operating current per conductor	
● for DC 2 000 1/h Operating frequency ● at AC-1 maximum ● at AC-2 maximum ● at AC-3 maximum 500 1/h	No-load switching frequency	
Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum 500 1/h	• with AC	2 000 1/h
 at AC-1 maximum at AC-2 maximum at AC-3 maximum 500 1/h 	• for DC	2 000 1/h
 at AC-2 maximum at AC-3 maximum 500 1/h 	Operating frequency	
• at AC-3 maximum 500 1/h	• at AC-1 maximum	750 1/h
	• at AC-2 maximum	250 1/h
• at AC-4 maximum 130 1/h	• at AC-3 maximum	500 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 with AC	
• at 50 Hz Rated value	200 277 V
• at 60 Hz Rated value	200 277 V
Control supply voltage for DC	
Rated value	200 277 V
Rated value	40 Hz
Control supply voltage frequency 2 Rated value	60 Hz
Operating range factor control supply voltage rated value of the magnet coil with AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.8 1.1
Operating range factor control supply voltage rated	0.8 1.1
value of the magnet coil for DC	
Design of the surge suppressor	with varistor
Apparent pick-up power of the magnet coil with AC	530 V·A
Inductive power factor with closing power of the coil	0.8
Apparent holding power of the magnet coil with AC	5 V·A
Inductive power factor with the holding power of the coil	0.4
Closing power of the magnet coil for DC	580 W

Holding power of the magnet coil for DC	3.8 W
Closing delay	
• with AC	45 80 ms
• for DC	45 80 ms
Arcing time	10 15 ms

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
Operating current at DC-12	
● at 60 V Rated value	6 A
• at 110 V Rated value	3 A
• at 220 V Rated value	1 A
Operating current at DC-13	
• at 24 V Rated value	10 A
• at 60 V Rated value	2 A
• at 110 V Rated value	1 A
• at 220 V Rated value	0.3 A

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

Short-circuit:	
Design of the fuse link	
 for short-circuit protection of the main circuit 	
 — with type of assignment 1 required 	fuse gL/gG: 500 A
 — with type of assignment 2 required 	fuse gL/gG: 400 A
 for short-circuit protection of the auxiliary switch required 	fuse gL/gG: 10 A

Installation/ mounting/ dimensions:	
Mounting type	screw fixing
Side-by-side mounting	Yes
Height	210 mm
Width	145 mm
Depth	202 mm
Required spacing	

• for grounded parts

- at the side

10 mm

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Type of electrical connection

- for main current circuit
- for auxiliary and control current circuit

Type of connectable conductor cross-section

• for AWG conductors for main contacts

Type of connectable conductor cross-section

- for auxiliary contacts
 - solid
 - finely stranded with core end processing

• for AWG conductors for auxiliary contacts

screw-type terminals

screw-type terminals

2/0 ... 500 kcmil

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









Type Examination



Test Certificates

Type Test Certificates/Test Report

Special Test Certificate



Shipping Approval







other

other

Confirmation

Environmental Confirmations

Further information

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

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

Industry Mall (Online ordering system)

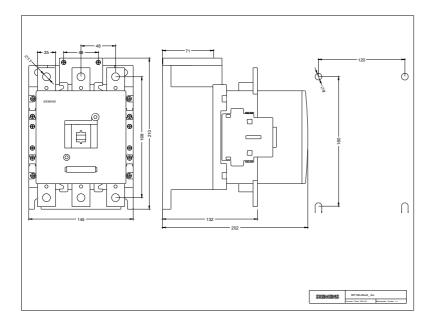
http://www.siemens.com/industrymall

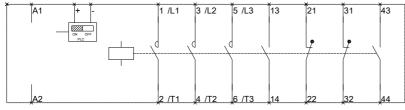
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT10646NP36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT10646NP36





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