## **SIEMENS**

Data sheet 3RT1036-1AP00



CONTACTOR, AC-3 22 KW/400 V, AC 230 V, 50 HZ, 3-POLE, 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	
<ul><li>during operation</li></ul>	-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-3  — at 400 V Rated value  • at 400 V Rated value  — at 690 V Rated value  • at AC-4  • 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 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 3 current paths in series at DC-1  — at 24 V Rated value  • 55 A  Operating current  • with 1 current paths in series at DC-5  — at 24 V Rated value  — at 110 V Rated value  — at 110 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 110 V Rated value  — at 110 V Rated value  — at 24 V Rated value  — at 24 V Rated value  — at 110 V Rated value  — at 24 V R		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     • sid 3 current paths in series 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     • sid 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     • sid 4 V Rated value     • sid 5 A  Operating current  • with 1 current path at DC-3 at DC-5     — at 24 V Rated value     • sid 5 A  Operating current  • with 1 current path in series at DC-5     — at 24 V Rated value     • sid 5 A  Operating current  • 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-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  • xith 2 x Rated value  • xith 2 x Rated value      • xith	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 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 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 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 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 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  • 35 A  • at 24 V Rated value  • 35 A  • at 24 V Rated value  • 35 A	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	<ul> <li>at 60 °C minimum permissible</li> </ul>	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 55 A  • 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 100 V Rated value  • at 100 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 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  - 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  - 35 A  - at 24 V Rated value  - 35 A  - at 24 V Rated value  - 35 A  - 36 A  - 37 A  - 37 A  - 38 A  - 3	Operating current	
• 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 890 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 110 V Rated value     35 A     — 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     • 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     • 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 AC-1 at 400 V	
- 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
<ul> <li>at ambient temperature 60 °C Rated value</li> <li>at AC-3</li> <li>— at 400 V Rated value</li> <li>at AC-4 at 400 V Rated value</li> <li>41 A</li> <li>Operating current for ≥ 200000 operating cycles at AC-4</li> <li>at 400 V Rated value</li> <li>at 400 V Rated value</li> <li>at 690 V Rated value</li> <li>at 690 V Rated value</li> <li>with 1 current path at DC-1</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>with 2 current paths in series at DC-1</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>with 3 current paths in series at DC-1</li> <li>— at 24 V Rated value</li> <li>with 3 current paths in series at DC-1</li> <li>— at 24 V Rated value</li> <li>with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>55 A</li> <li>Operating current</li> <li>with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>55 A</li> <li>Operating current</li> <li>with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>55 A</li> <li>Operating current</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>55 A</li> <li>Operating current</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>	● 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 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  • 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  • 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 24 ∨ 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  • with 1 current path 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  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  55 A	• 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		
● at 690 V Rated value  Operating current  ● with 1 current path at DC-1  — at 24 V Rated value — at 110 V Rated value — at 24 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  ● 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 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 55 A		
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 2.5 A  • with 2 current paths in series at DC-3 at DC-5  — at 24 V Rated value 55 A		
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  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  with 2 current paths in series at DC-3 at DC-5  — at 24 V Rated value  35 A  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		12.6 A
- 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		
<ul> <li>at 110 V Rated value</li> <li>with 2 current paths in series at DC-1</li> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>with 3 current paths in series at DC-1</li> <li>at 24 V Rated value</li> <li>at 24 V Rated value</li> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>with 1 current path at DC-3 at DC-5</li> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>55 A</li> </ul>	•	
• 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		
<ul> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>● with 3 current paths in series at DC-1</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>55 A</li> <li>Operating current</li> <li>● with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>— at 110 V Rated value</li> <li>● with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>— at 110 V Rated value</li> <li>— at 24 V Rated value</li> <li>— at 24 V Rated value</li> <li>— at 25 A</li> <li>— at 24 V Rated value</li> <li>— at 24 V Rated value</li> <li>— at 25 A</li> <li>— at 24 V Rated value</li> <li>— at 24 V Rated value</li> <li>— at 24 V Rated value</li> </ul>		4.5 A
<ul> <li>— at 110 V Rated value</li> <li>● with 3 current paths in series at DC-1</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>55 A</li> <li>— at 110 V Rated value</li> <li>55 A</li> </ul> Operating current <ul> <li>• with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>• with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>	·	
<ul> <li>with 3 current paths in series at DC-1  — at 24 V Rated value 55 A  — at 110 V Rated value 55 A</li> <li>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</li> </ul>		
<ul> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>55 A</li> <li>Operating current <ul> <li>with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>25 A</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul> </li> </ul>		25 A
<ul> <li>— at 110 V Rated value</li> <li>55 A</li> <li>Operating current <ul> <li>with 1 current path at DC-3 at DC-5</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>2.5 A</li> </ul> </li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>25 A</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>	·	
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	
<ul> <li>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</li> </ul>		55 A
<ul> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>at 110 V Rated value</li> <li>at 24 V Rated value</li> <li>55 A</li> </ul>		
<ul> <li>— at 110 V Rated value</li> <li>● with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>	<ul><li>with 1 current path at DC-3 at DC-5</li></ul>	
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> <li>— at 110 V Rated value</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>		
<ul> <li>— at 110 V Rated value</li> <li>— at 24 V Rated value</li> <li>55 A</li> </ul>	— 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 440 M Data decales	55 A
— at 110 V Rated value	
— 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	5 W
the operating current per conductor	
No-load switching frequency	
• with AC	5 000 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	AC
Control supply voltage with AC	
• at 50 Hz Rated value	230 V
Rated value	50 Hz
Operating range factor control supply voltage rated	-
value of the magnet coil with AC	
● at 50 Hz	0.8 1.1
Apparent pick-up power of the magnet coil with AC	145 V·A
Inductive power factor with closing power of the coil	0.79
Apparent holding power of the magnet coil with AC	12.5 V·A
Inductive power factor with the holding power of the coil	0.36
Closing delay	
• with AC	10 24 me
Aroing time	10 24 ms
Arcing time	10 24 ms 10 15 ms
Auxiliary circuit:	
Auxiliary circuit:	
Auxiliary circuit:  Number of NC contacts	
Auxiliary circuit:  Number of NC contacts  • for auxiliary contacts	10 15 ms
Auxiliary circuit:  Number of NC contacts  • for auxiliary contacts  — instantaneous contact	10 15 ms

<ul><li>instantaneous contact</li></ul>	0
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
Contact reliability of the auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
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	
<ul> <li>— with type of assignment 1 required</li> </ul>	fuse gL/gG: 160 A
<ul> <li>— with type of assignment 2 required</li> </ul>	fuse gL/gG: 80 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
Installation/ mounting/ dimensions:	
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail
<b>.</b>	according to DIN EN 50022
Side-by-side mounting	Yes
Height	112 mm
Width	55 mm
Depth	115 mm
Required spacing	
• for grounded parts	
— at the side	6 mm
Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Type of connectable conductor cross-section	
• for main contacts	
— solid	2x (0.75 16 mm²)

— stranded	2x (0.75 25 mm²)
<ul><li>— single or multi-stranded</li></ul>	2x (0,75 16 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (0.75 16 mm²)
<ul> <li>finely stranded without core end</li> </ul>	2x (0.75 16 mm²)
processing	
<ul> <li>for AWG conductors for main contacts</li> </ul>	2x (18 2)
Type of connectable conductor cross-section	
for auxiliary contacts	
— solid	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)
<ul> <li>for AWG conductors for auxiliary contacts</li> </ul>	2x (20 16), 2x (18 14), 1x 12

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General Prod	uct Approval		Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
<b>S</b>	(UL	EHC	Type Examination	C E	Type Test Certificates/Test Report

Test	Shipping Approval
Certificates	

**Special Test** Certificate







GL





Shipping Approval	other			
	Environmental	Confirmation	other	



Environmental Confirmations

Confirmation

other

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=3RT10361AP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT10361AP00



