## **SIEMENS**

Data sheet 3RT1035-1AP00



CONTACTOR, AC-3 18.5 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 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         3           Connectable conductor cross-section in main circuit at AC-1         • at 60 °C minimum permissible         16 mm²           • at 40 °C minimum permissible         16 mm²           Operating current         • at AC-1 at 400 V           • at AC-1 at 400 V         — at ambient temperature 40 °C Rated value         60 A           • at AC-1 up to 690 V         — at ambient temperature 60 °C Rated value         55 A           — at ambient temperature 60 °C Rated value         55 A           • at AC-3         — at 400 V Rated value         24 A           — at 400 V Rated value         35 A           — at 400 V Rated value         18.5 A           • at 690 V Rated value         12.6 A           Operating current for ≥ 200000 operating cycles at AC-4         4 at 400 V Rated value           • at 690 V Rated value         18.5 A           • at 690 V Rated value         55 A           • 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 1 current path at DC-3 at DC-5         — at 24 V Rated value           • wi		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 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-3 — 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  • at AC-4 at 400 V Rated value  • at 24 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 2 Current paths in series at DC-3 at DC-5 — at 110 V Rated value  • with 1 current path 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 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  • xith 2 current paths in series at DC-3 at DC-5 — at 124 V Rated value  • xith 2 current paths in series at DC-3 at DC-5 —	Number of NC contacts for main contacts	
at AC-1  • at 60 °C minimum permissible  • at 40 °C minimum permissible  16 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-3  — at 400 V 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 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 1110 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 path 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 1 current path in series at DC-3  — at 210 V Rated value  • with 2 current paths in series 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-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 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  • 35 A	Number of NO contacts for main contacts	3
• 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 up to 690 V     — at ambient temperature 40 °C Rated value     — at ambient temperature 60 °C Rated value     — at 400 V Rated value     — at 400 V Rated value     — at 690 V Rated value     — at 400 V Rated value     — at 690 V Rated value     • at AC-3     • at 400 V Rated value     • at 690 V Rated value     • at 100 V Rated value     • at 24 V Rated value     • with 2 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     • with 1 current path at DC-3 at DC-5     — at 110 V Rated value     • sth 1 current path at DC-3 at DC-5     — 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 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     • 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	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 400 V Rated value     — at 690 V Rated value     — at 690 V Rated value     • at AC-4     • at AC-4     • 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 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 100 V Rated value     • 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 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-5     — at 24 V Rated value     • at 110 V Rated value     • 35 A  Operating current  • with 1 current paths 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     • 35 A     — at 110 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 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 24 V Rated v	at AC-1	
Operating current         • at AC-1 at 400 V       60 A         • at AC-1 up to 690 V       60 A         — at ambient temperature 40 °C Rated value       60 A         • at AC-3       60 A         — at 400 V Rated value       40 A         — at 690 V Rated value       24 A         • at AC-4 at 400 V Rated value       35 A         Operating current for ≥ 200000 operating cycles at AC-4       12.6 A         Operating current       12.6 A         Operating current       4.5 A         • with 1 current path at DC-1       55 A         — at 110 V Rated value       4.5 A         • with 2 current paths in series at DC-1       55 A         — at 110 V Rated value       55 A         • with 3 current paths in series at DC-1       25 A         • with 3 current paths in series at DC-1       55 A         — at 110 V Rated value       55 A         • with 1 current paths in series at DC-5       55 A         — at 24 V Rated value       35 A         • with 1 current paths in series at DC-5       35 A         — at 110 V Rated value       2.5 A         • with 2 current paths in series at DC-3 at DC-5       35 A         — at 110 V Rated value       2.5 A         • with 2 current paths in se	• 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     55 A     4 at AC-3     — at 400 V Rated value     — at 690 V Rated value     35 A  Operating current for ≥ 200000 operating cycles at AC-4     at 400 V Rated value     18.5 A     at 690 V Rated value     18.5 A     at 690 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 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 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 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-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     • xith 20 X Ra	• 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 AC-4 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 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  • 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 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 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 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  • 55 A	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 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 10 V Rated value     35 A  Operating current  • 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 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  • 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 40 A  - at 690 V Rated value 35 A  Operating current for ≥ 200000 operating cycles at AC-4  • at 400 V Rated value 18.5 A  • 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 55 A  • with 3 current paths in series at DC-1  - at 24 V Rated value 55 A  • with 10 V Rated value 55 A  • with 3 current paths in series at DC-1  - at 24 V Rated value 35 A  • with 10 V Rated value 35 A  • with 10 V Rated value 35 A  • with 3 current paths in series at DC-1  - at 24 V Rated value 35 A  • with 10 V Rated value 35 A  • with 1 current paths at DC-3 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 35 A  • with 2 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  • with 2 current paths in series at DC-3 at DC-5  - at 24 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  • at AC-4 at 400 V Rated value  35 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  • 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 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  • 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 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     35 A  Operating current for ≥ 200000 operating cycles at AC-4     at 400 V Rated value     18.5 A     at 690 V Rated value     12.6 A  Operating current      with 1 current path at DC-1     — at 24 V Rated value     35 A      with 2 current paths in series at DC-1     — at 24 V Rated value     35 A      with 3 current paths in series at DC-1     — at 24 V Rated value     35 A     with 3 current paths in series at DC-1     — at 24 V Rated value     35 A     with 3 current paths in series at DC-1     — at 24 V Rated value     35 A     with 1 current path at DC-3 at DC-5     — at 110 V Rated value     35 A     35 A     35 A     36 A     4 T 110 V Rated value     35 A     36 A     37 A     38 A     38 A     39 A     39 A     30 A	— 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  35 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 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  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 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 V Rated value  • at AC-4 at 400 V Rated value  35 A  Operating current for ≥ 200000 operating cycles at AC-4  • at 400 V Rated value  • at 690 V Rated value  18.5 A  • 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  55 A  • with 2 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  • 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  • 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  2.5 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  35 A  55 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  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     — 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     35 A  Operating current  with 1 current path 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 110 V Rated value     35 A  strip in the form of	— at 400 V Rated value	40 A
Operating current for ≥ 200000 operating cycles at AC-4       18.5 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       55 A         — at 110 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         Operating current       55 A         • with 1 current path at DC-3 at DC-5       35 A         — at 24 V Rated value       35 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       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         • 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 690 V Rated value	24 A
AC-4	• at AC-4 at 400 V Rated value	35 A
<ul> <li>at 400 V Rated value</li> <li>at 690 V Rated value</li> <li>12.6 A</li> <li>Operating current         <ul> <li>with 1 current path at DC-1</li> <li>— at 24 V Rated value</li> <li>with 2 current paths in series at DC-1</li> <li>— at 24 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> </ul> </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>with 2 current paths in series at DC-3 at DC-5</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>55 A</li> </ul> </li> </ul>	Operating current for ≥ 200000 operating cycles at	
• at 690 V Rated value  Operating current  • with 1 current path at DC-1  — 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  • 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 24 V Rated value  55 A	AC-4	
Operating current  • with 1 current path at DC-1  — at 24 V Rated value 55 A  — 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 25 A  • with 2 current paths in series at DC-3 at DC-5  — at 110 V Rated value 55 A		
<ul> <li>with 1 current path at DC-1  — at 24 V Rated value 55 A  — at 110 V Rated value 4.5 A</li> <li>with 2 current paths in series at DC-1  — at 24 V Rated value 55 A  — at 110 V Rated value 25 A</li> <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>with 3 current paths in series at DC-1  — at 24 V Rated value 55 A</li> <li>o 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</li> <li>with 2 current paths in series at DC-3 at DC-5  — at 24 V Rated value 55 A</li> </ul>		12.6 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-1</li> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>25 A</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>55 A</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>with 2 current paths in series at DC-3 at DC-5</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>55 A</li> </ul>		
<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 110 V Rated value</li> <li>55 A</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>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>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 110 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 25 A</li> <li>— at 24 V Rated value</li> <li>— at 25 A</li> <li>— at 24 V Rated value</li> <li>— at 25 A</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>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 110 V Rated value</li> <li>at 25 A</li> </ul> at 24 V Rated value <ul> <li>55 A</li> </ul> Find the paths in series at DC-3 at DC-5 <ul> <li>at 110 V Rated value</li> <li>at 25 A</li> <li>at 24 V Rated value</li> <li>55 A</li> </ul>	<ul> <li>with 2 current paths in series at DC-1</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>	— at 24 V Rated value	
<ul> <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>• 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>55 A</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>— at 24 V Rated value</li> <li>55 A</li> </ul>	<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
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	
<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>	— at 110 V Rated value	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>	Operating current	
<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>	— at 24 V Rated value	
<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 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	9.5 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	2.6 W
the operating current per conductor	
No-load switching frequency	5 000 4/L
• with AC	5 000 1/h
Operating frequency	4.000.4//
• at AC-1 maximum	1 200 1/h
● at AC-2 maximum	600 1/h
at AC-3 maximum	1 000 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
	0.36
coil	0.36 10 24 ms
coil Closing delay	
coil Closing delay  • with AC Arcing time Auxiliary circuit:	10 24 ms
coil Closing delay  • with AC Arcing time	10 24 ms
coil Closing delay  • with AC Arcing time Auxiliary circuit:	10 24 ms
coil Closing delay  • with AC Arcing time  Auxiliary circuit: Number of NC contacts	10 24 ms
coil  Closing delay  • with AC  Arcing time  Auxiliary circuit:  Number of NC contacts  • for auxiliary contacts	10 24 ms 10 15 ms
coil  Closing delay  • with AC  Arcing time  Auxiliary circuit:  Number of NC contacts  • for auxiliary contacts  — instantaneous contact	10 24 ms 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	
— with type of assignment 1 required	fuse gL/gG: 125 A
with tune of aggingment 2 required	thee at lace, e.g. $\nabla$
— with type of assignment 2 required	fuse gL/gG: 63 A
<ul> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
for short-circuit protection of the auxiliary switch required	
• for short-circuit protection of the auxiliary switch	
• for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:	fuse gL/gG: 10 A
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:	fuse gL/gG: 10 A screw and snap-on mounting onto 35 mm standard mounting rail
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions:</li> <li>Mounting type</li> <li>Side-by-side mounting</li> <li>Height</li> </ul>	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions:</li> <li>Mounting type</li> <li>Side-by-side mounting</li> <li>Height</li> <li>Width</li> </ul>	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions:</li> <li>Mounting type</li> <li>Side-by-side mounting</li> <li>Height</li> <li>Width</li> <li>Depth</li> <li>Required spacing</li> </ul>	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm
<ul> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions:</li> <li>Mounting type</li> <li>Side-by-side mounting</li> <li>Height</li> <li>Width</li> <li>Depth</li> <li>Required spacing</li> </ul>	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side  Connections/ Terminals:	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side  Connections/ Terminals:	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side  Connections/ Terminals:  Type of electrical connection     for main current circuit     for auxiliary and control current circuit	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side  Connections/ Terminals:  Type of electrical connection     for main current circuit	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm  6 mm
for short-circuit protection of the auxiliary switch required  Installation/ mounting/ dimensions:  Mounting type      Side-by-side mounting  Height  Width  Depth  Required spacing     for grounded parts     — at the side  Connections/ Terminals:  Type of electrical connection     for main current circuit     for auxiliary and control current circuit	fuse gL/gG: 10 A  screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022  Yes  112 mm  55 mm  115 mm  6 mm

— stranded	2x (0.75 25 mm²)
<ul><li>— single or multi-stranded</li></ul>	2x (0,75 16 mm²)
— finely stranded with core end processing	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	
<ul> <li>for auxiliary contacts</li> </ul>	
— 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

Certificates	/ approvals:
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Certificates/ appr	iovais.				
General Prod	luct Approval		Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
<b>(P)</b>	(UL)	EHC	Type Examination	CE EG-Konf.	Special Test Certificate

Test	Shipping Approval
Certificates	

Type Test Certificates/Test Report







GL





Shipping	other
Approval	
	·



other

Environmental Confirmations

Confirmation

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=3RT10351AP00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT10351AP00



