## **SIEMENS**

Data sheet 3RT2536-1AP00



2NO+2NC CONTACTOR,AC3:22KW 230V AC 50HZ, 4-POLE, 2NO+2NC, SIZE S2, SCREW TERMINAL 1NO+1NC INTEGRATED

Figure similar

product brand name	SIRIUS
Product designation	3RT2 contactor

General technical data:		
Insulation voltage		
Rated value	V	690
Degree of pollution		3
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
of the contactor typical		10 000 000
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>		5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>		10 000 000
Thermal short-time current restricted to 10 s	Α	420
Protection class IP		
• on the front		IP20
Equipment marking		
• acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

Main circuit:	
Number of poles for main current circuit	4
Number of NC contacts for main contacts	2
Number of NO contacts for main contacts	2
Operating current	
• at AC-1	

— up to 690 V at ambient temperature 40 °C Rated value  — up to 690 V at ambient temperature 60 °C Rated value  — up to 690 V at ambient temperature 60 °C Rated value  • at AC-2 at AC-3 at 400 V  — per NC contact Rated value  • at AC-2 at AC-3 at 400 V  — per NC contact Rated value  A 41  Operating current with 1 current path  • at DC-1  — at 24 V Rated value  — at 110 V Rated value  — at 220 V Rated value  — at 240 V Rated value  — at 240 V Rated value  — at 24 V per NC contact Rated value  — at 24 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V Rated value  — at 220 V Per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per N			
Rated value  at AC-2 at AC-3 at 400 V — per NO contact Rated value — per NC contact Rated value A 41  Operating current with 1 current path  at DC-1 — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value — at 440 V Rated value A 10 — at 24 V Per NC contact Rated value A 10 — at 24 V Per NC contact Rated value A 10 — at 24 V Per NC contact Rated value A 35 — at 24 V per NC contact Rated value A 35 — at 110 V per NC contact Rated value A 110 V per NC contact Rated value A 110 V per NC contact Rated value A 1220 V per NC contact Rated value A 1220 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 1 A10 — at 440 V per NC contact Rated value A 25 — at 110 V Rated value A 5 — at 110 V Rated value A 5 — at 110 V Rated value A 5 — at 110 V Per NC contact Rated value A 1  at 110 V per NC contact Rated value A 25 — at 110 V per NC contact Rated value A 25 — at 110 V per NC contact Rated value A 25 — at 110 V per NC contact Rated value A 25 — at 110 V per NC contact Rated value A 25 — at 220 V per NC contact Rated value A 25 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5		Α	70
— per NO contact Rated value  — per NC contact Rated value  A 41  Operating current with 1 current path  • at DC-1  — at 24 V Rated value  — at 110 V Rated value  — at 440 V Rated value  — at 440 V Rated value  — at 220 V Rated value  — at 24 V Per NC contact Rated value  — at 24 V per NO contact Rated value  — at 24 V per NO contact Rated value  — at 110 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V Rated value  — at 400 V Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated value  — at 220 V Per NC contact Rated va		А	60
— per NC contact Rated value  Operating current with 1 current path  ■ at DC-1  — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value — at 440 V Rated value — at 24 V per NC contact Rated value — at 24 V per NC contact Rated value — at 110 V per NC contact Rated value — at 110 V per NC contact Rated value — at 110 V per NC contact Rated value — at 110 V per NC contact Rated value — at 220 V per NC contact Rated value — at 220 V per NC contact Rated value — at 220 V per NC contact Rated value — at 440 V per NC contact Rated value — at 440 V per NC contact Rated value — at 440 V per NC contact Rated value — at 440 V per NC contact Rated value — at 220 V per NC contact Rated value — at 440 V per NC contact Rated value — at 440 V per NC contact Rated value — at 220 V per NC contact Rated value	● at AC-2 at AC-3 at 400 V		
Operating current with 1 current path              ■ at DC-1	— per NO contact Rated value	Α	41
● at DC-1  — at 24 V Rated value  — at 110 V Rated value  — at 220 V Rated value  — at 440 V Rated value  — at 440 V Rated value  — at 24 V per NC contact Rated value  — at 24 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 110 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  — at 220 V Rated value  — at 240 V Rated value  — at 250  — at 110 V Rated value  — at 440 V Rated value  — at 440 V Rated value  — at 250  — at 110 V Rated value  — at 250  — at 110 V per NC contact Rated value  — at 250  — at 110 V per NC contact Rated value  — at 250  — at 110 V per NC contact Rated value  — at 250  — at 110 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 240 V per NC contact Rated value  — at 250 V per NC contact Rated value  — at 250 V per NC contact Rated value  — at 255	— per NC contact Rated value	Α	41
	Operating current with 1 current path		
- at 110 V Rated value	• at DC-1		
— at 220 V Rated value — at 440 V Rated value A  • at DC-3  — at 24 V per NC contact Rated value A  — at 24 V per NC contact Rated value A  — at 210 V per NC contact Rated value A  — at 210 V per NC contact Rated value A  — at 110 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 440 V per NC contact Rated value A  — at 440 V per NC contact Rated value A  Operating current with 2 current paths in series  • at DC-1  — at 220 V Rated value A  — at 440 V Rated value A  — at 440 V Rated value A  — at 220 V Rated value A  — at 35  — at 110 V per NC contact Rated value A  — at 25  — at 110 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  — at 220 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 24 V per NC contact Rated value A  5  — at 25  — at	— at 24 V Rated value	Α	60
— at 440 V Rated value  ■ at DC-3 at DC-5  — at 24 V per NC contact Rated value A 35  — at 24 V per NO contact Rated value A 35  — at 110 V per NC contact Rated value A 2.5  — at 110 V per NC contact Rated value A 2.5  — at 220 V per NC contact Rated value A 1  — at 220 V per NC contact Rated value A 1  — at 440 V per NC contact Rated value A 0.1  Operating current with 2 current paths in series  ■ at DC-1  — at 220 V Rated value A 55  — at 110 V Rated value A 5  — at 440 V Rated value A 5  — at 110 V Rated value A 5  — at 220 V Rated value A 5  — at 220 V Rated value A 5  — at 440 V Rated value A 5  — at 440 V Rated value A 5  — at 220 V Rated value A 5  — at 220 V Rated value A 5  — at 440 V Rated value A 5  — at 220 V Rated value A 5  — at 25  — at 110 V per NC contact Rated value A 5  — at 27  — at 29 V per NC contact Rated value A 5  — at 20 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 25	— at 110 V Rated value	Α	4.5
• at DC-3 at DC-5  — at 24 V per NC contact Rated value — at 24 V per NO contact Rated value A 35  — at 110 V per NC contact Rated value A 2.5  — at 110 V per NC contact Rated value A 2.5  — at 110 V per NC contact Rated value A 1  — at 220 V per NC contact Rated value A 1  — at 440 V per NC contact Rated value A 0.1  Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value A 55  — at 110 V Rated value A 5  — at 440 V Rated value A 5  — at 110 V Rated value A 5  — at 220 V Rated value A 5  — at 220 V Rated value A 5  — at 440 V Rated value A 5  — at 440 V Rated value A 5  — at 220 V Rated value A 5  — at 220 V Rated value A 5  — at 110 V per NC contact Rated value A 5  — at 110 V per NC contact Rated value A 25  — at 110 V per NC contact Rated value A 25  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 55	— at 220 V Rated value	Α	1
	— at 440 V Rated value	Α	0.4
- at 24 V per NO contact Rated value - at 110 V per NC contact Rated value - at 110 V per NC contact Rated value - at 110 V per NO contact Rated value - at 220 V per NC contact Rated value - at 220 V per NO contact Rated value - at 440 V per NC contact Rated value - at 440 V per NO contact Rated value - at 440 V per NO contact Rated value - at 24 V Rated value - at 220 V Per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 24 V per NC contact Rated value - at 25	• at DC-3 at DC-5		
- at 110 V per NC contact Rated value - at 110 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 440 V per NC contact Rated value - at 440 V per NO contact Rated value - at 440 V per NO contact Rated value - at 24 V Rated value - at 24 V Rated value - at 110 V Rated value - at 220 V Rated value - at 440 V Rated value - at 440 V Rated value - at 220 V Rated value - at 220 V Rated value - at 220 V Rated value - at 110 V per NC contact Rated value - at 110 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 220 V per NC contact Rated value - at 24 V per NC contact Rated value - at 25	— at 24 V per NC contact Rated value	Α	35
- at 110 V per NO contact Rated value - at 220 V per NC contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 440 V per NC contact Rated value - at 440 V per NO contact Rated value - at 440 V per NO contact Rated value - at 240 V per NO contact Rated value - at 10 V Rated value - at 110 V Rated value - at 220 V Rated value - at 440 V Rated value - at 220 V Rated value - at 110 V per NO contact Rated value - at 110 V per NO contact Rated value - at 110 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 220 V per NO contact Rated value - at 24 V per NO contact Rated value - at 24 V per NO contact Rated value - at 25 - at 25 - at 24 V per NO contact Rated value - at 25 -	— at 24 V per NO contact Rated value	Α	35
- at 220 V per NC contact Rated value - at 220 V per NO contact Rated value A 1 - at 440 V per NC contact Rated value A 0.1 - at 440 V per NO contact Rated value A 0.1  Operating current with 2 current paths in series  ■ at DC-1  — at 24 V Rated value A 55 — at 110 V Rated value A 5  — at 440 V Rated value A 5  — at 440 V Rated value A 5  — at 110 V Rated value A 5  — at 110 V Per NC contact Rated value A 1 ■ at DC-3 at DC-5  — at 110 V per NC contact Rated value A 25 — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 220 V per NC contact Rated value A 5  — at 24 V per NC contact Rated value A 5  — at 25  — at	— at 110 V per NC contact Rated value	Α	2.5
- at 220 V per NO contact Rated value A 0.1 - at 440 V per NC contact Rated value A 0.1  - at 440 V per NO contact Rated value A 0.1  Operating current with 2 current paths in series  • at DC-1 - at 24 V Rated value A 55 - at 110 V Rated value A 55 - at 440 V Rated value A 5 - at 220 V Rated value A 1  • at DC-3 at DC-5 - at 110 V per NC contact Rated value A 25 - at 220 V per NC contact Rated value A 55 - at 220 V per NC contact Rated value A 55 - at 220 V per NC contact Rated value A 55 - at 220 V per NC contact Rated value A 55 - at 220 V per NC contact Rated value A 55 - at 220 V per NC contact Rated value A 55 - at 24 V per NC contact Rated value A 55 - at 24 V per NC contact Rated value A 55	— at 110 V per NO contact Rated value	Α	2.5
— at 440 V per NC contact Rated value  — at 440 V per NC contact Rated value  A 0.1  Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value  — at 110 V Rated value  — at 220 V Rated value  A 55  — at 440 V Rated value  A 5  — at 110 V Rated value  A 1  • at DC-3 at DC-5  — at 110 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 220 V per NC contact Rated value  — at 24 V per NC contact Rated value  — at 25  — at 24 V per NC contact Rated value  — at 25  — at 25  — at 27  — at 27  — at 27  — at 27  — at 28  — at 29  —	— at 220 V per NC contact Rated value	Α	1
— at 440 V per NO contact Rated value  Operating current with 2 current paths in series  ■ at DC-1  — at 24 V Rated value  — at 110 V Rated value  A 45  — at 220 V Rated value  A 5  — at 440 V Rated value  A 1  ■ at DC-3 at DC-5  — at 110 V per NC contact Rated value  — at 110 V per NO contact Rated value  A 25  — at 220 V per NC contact Rated value  A 5  — at 220 V per NO contact Rated value  A 5  — at 220 V per NO contact Rated value  A 5  — at 220 V per NO contact Rated value  A 5  — at 24 V per NC contact Rated value  A 5  — at 25  — at 27  — at 28  — at 29	— at 220 V per NO contact Rated value	Α	1
Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value A 45 — at 110 V Rated value A 55 — at 440 V Rated value A 1  • at DC-3 at DC-5 — at 110 V per NC contact Rated value A 25 — at 110 V per NO contact Rated value A 25 — at 220 V per NC contact Rated value A 5 — at 220 V per NC contact Rated value A 5 — at 220 V per NO contact Rated value A 5 — at 220 V per NO contact Rated value A 5 — at 24 V per NC contact Rated value A 5 — at 24 V per NC contact Rated value A 5 — at 24 V per NC contact Rated value A 55	— at 440 V per NC contact Rated value	Α	0.1
<ul> <li>at DC-1</li> <li>— at 24 V Rated value</li> <li>— at 110 V Rated value</li> <li>— at 220 V Rated value</li> <li>— at 440 V Rated value</li> <li>A 1</li> <li>at DC-3 at DC-5</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 440 V per NO contact Rated value	Α	0.1
<ul> <li>at 24 V Rated value</li> <li>at 110 V Rated value</li> <li>at 220 V Rated value</li> <li>at 440 V Rated value</li> <li>at DC-3 at DC-5</li> <li>at 110 V per NC contact Rated value</li> <li>at 110 V per NO contact Rated value</li> <li>at 220 V per NC contact Rated value</li> <li>at 220 V per NC contact Rated value</li> <li>at 220 V per NO contact Rated value</li> <li>at 220 V per NO contact Rated value</li> <li>at 24 V per NC contact Rated value</li> <li>A 5</li> <li>at 24 V per NC contact Rated value</li> <li>A 5</li> <li>55</li> </ul>	Operating current with 2 current paths in series		
<ul> <li>— at 110 V Rated value</li> <li>— at 220 V Rated value</li> <li>— at 440 V Rated value</li> <li>■ at DC-3 at DC-5</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	● at DC-1		
<ul> <li>— at 220 V Rated value</li> <li>— at 440 V Rated value</li> <li>■ at DC-3 at DC-5</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 24 V Rated value	Α	55
<ul> <li>— at 440 V Rated value</li> <li>A 1</li> <li>● at DC-3 at DC-5</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 110 V Rated value	Α	45
<ul> <li>at DC-3 at DC-5</li> <li>— at 110 V per NC contact Rated value</li> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 220 V Rated value	Α	5
<ul> <li>at 110 V per NC contact Rated value</li> <li>at 110 V per NO contact Rated value</li> <li>at 220 V per NC contact Rated value</li> <li>at 220 V per NO contact Rated value</li> <li>at 220 V per NO contact Rated value</li> <li>at 24 V per NC contact Rated value</li> <li>A 5</li> <li>at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 440 V Rated value	Α	1
<ul> <li>— at 110 V per NO contact Rated value</li> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	• at DC-3 at DC-5		
<ul> <li>— at 220 V per NC contact Rated value</li> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 5</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> </ul>	— at 110 V per NC contact Rated value	Α	25
<ul> <li>— at 220 V per NO contact Rated value</li> <li>— at 24 V per NC contact Rated value</li> <li>A 55</li> <li>— 55</li> </ul>	— at 110 V per NO contact Rated value	Α	25
— at 24 V per NC contact Rated value A 55	— at 220 V per NC contact Rated value	Α	5
	— at 220 V per NO contact Rated value	Α	5
— at 24 V per NO contact Rated value A 55	— at 24 V per NC contact Rated value	Α	55
at 21 V por 140 contact Nation Value	— at 24 V per NO contact Rated value	Α	55
— at 440 V per NC contact Rated value A 0.27	— at 440 V per NC contact Rated value	Α	0.27
— at 440 V per NO contact Rated value A 0.27	— at 440 V per NO contact Rated value	Α	0.27
Operating power	Operating power		
at AC-1 at 400 V Rated value     kW     46	• at AC-1 at 400 V Rated value	kW	46
Operating power	Operating power		
• at AC-1	• at AC-1		
— at 230 V Rated value kW 26	— at 230 V Rated value	kW	26

at AC-2 at AC-3		
— at 230 V per NC contact Rated value	kW	15
— at 230 V per NO contact Rated value	kW	15
— at 400 V per NC contact Rated value	kW	22
— at 400 V per NO contact Rated value	kW	22

Control circuit/ Control:		
Type of voltage of the control supply voltage		AC
Control supply voltage with AC		
at 50 Hz Rated value	V	230
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	V·A	190
Apparent holding power of the magnet coil with AC	V·A	16
Inductive power factor		
<ul> <li>with closing power of the coil</li> </ul>		0.72
<ul><li>with the holding power of the coil</li></ul>		0.37
Control version of the switch operating mechanism		AC

Number of NC contacts  • for auxiliary contacts  — instantaneous contact		1
		1
— instantaneous contact		1
Number of NO contacts		
• for auxiliary contacts		
— instantaneous contact		1
Product expansion Auxiliary switch		Yes
Operating current at AC-15		
• at 230 V Rated value	Α	6
at 400 V Rated value	Α	3
• at 690 V Rated value	Α	1
Operating current		
• at DC-12 at 125 V Rated value	Α	2
• at DC-12 at 220 V Rated value	Α	1
• at DC-12 at 600 V Rated value	Α	0.15
• at DC-13 at 125 V Rated value	Α	0.9
• at DC-13 at 220 V Rated value	Α	0.3
• at DC-13 at 600 V Rated value	Α	0.1
Operating current		
• at DC-12		
— at 60 V Rated value	Α	6
— at 110 V Rated value	Α	3

• at DC-13		
— at 24 V Rated value	Α	10
— at 60 V Rated value	Α	2
— at 110 V Rated value	Α	1
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)

— at 110 V Rated value	Α	1
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 / P600
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>		gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A
<ul> <li>— with type of assignment 2 required</li> </ul>		gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 80 A
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>		fuse gL/gG: 10 A
Installation/ mounting/ dimensions:		
mounting position		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Side-by-side mounting		Yes
Height	mm	114
Width	mm	75

mounting position		+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Side-by-side mounting		Yes
Height	mm	114
Width	mm	75
Depth	mm	130
Required spacing		
<ul><li>with side-by-side mounting</li></ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
<ul> <li>for grounded parts</li> </ul>		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50
— at the side	mm	10
— downwards	mm	50
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	50

— downwards	mm	50
— at the side	mm	10

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 (1 35 mm²), 1x (1 50 mm²)
<ul> <li>single or multi-stranded</li> </ul>		2x (1 35 mm²), 1x (1 50 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>		2x (1 25 mm²), 1x (1 35 mm²)
<ul> <li>for AWG conductors for main contacts</li> </ul>		2x (18 2), 1x (18 1)
<ul><li>for auxiliary contacts</li></ul>		
— solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
<ul> <li>single or multi-stranded</li> </ul>		2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>		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)
Apparent pick-up power of the magnet coil with AC		
● at 50 Hz	V·A	190

Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	%	40
<ul> <li>with high demand rate acc. to SN 31920</li> </ul>	%	73
Failure rate [FIT] with low demand rate acc. to SN 31920	FIT	100
Product function Mirror contact acc. to IEC 60947-4-1		Yes
Protection against electrical shock		finger-safe when touched vertically from front acc. to IEC 60529

Mechanical data:			
Size of contactor		S2	
Ambient conditions:			
Installation altitude at height above sea level	m	2 000	
maximum			
Ambient temperature			
<ul><li>during operation</li></ul>	°C	-40 <b>+</b> 70	
during storage	°C	-55 <b>+</b> 80	

## Certificates/ approvals:

## **General Product Approval**

other







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=3RT25361AP00

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

http://support.automation.siemens.com/WW/view/en/3RT25361AP00/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT25361AP00&lang=en">http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT25361AP00&lang=en</a>







