# **SIEMENS**

Data sheet 3RT1456-6AU36



CONTACTOR, 275A/AC-1, AC(40...60HZ)/DC OPERATION UC 240...277V AUXIL. CONTACTS 2NO+2NC 3-POLE, SIZE S6 BAR CONNECTIONS CONVENT. OPERATING MECHANISM

Figure similar

product brand name	SIRIUS
Product designation	power contactor

ulation voltage  ● Rated value  V  gree of pollution  rge voltage resistance Rated value  k∨  chanical service life (switching cycles)	1 000
gree of pollution rge voltage resistance Rated value kV	1 000
rge voltage resistance Rated value kV	
	3
chanical service life (switching cycles)	8
of the contactor typical	10 000 000
of the contactor with added electronics- compatible auxiliary switch block typical	5 000 000
• of the contactor with added auxiliary switch block typical	10 000 000
ermal short-time current restricted to 10 s	1 480
tection class IP	
• on the front	IP00
• of the terminal	IP00
uipment marking	
• acc. to DIN EN 61346-2	Q
• acc. to DIN EN 81346-2	Q

Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
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  • at AC-3  — at 400 V Rated value  • at 690 V Rated value  — at 690 V Rated value  — at 690 V Rated value  A 97  Operating current with 1 current path  • at DC-1  — at 24 V Rated value  — at 110 V Rated value  — at 24 V Rated value  — at 110 V Rated value  — at 24 V Rated value  — at 250  Operating current with 3 current paths in series  • at DC-3  — at 110 V Rated value  — at 250  Operating power  • at AC-1 at 400 V Rated value  — at 690 V at 60 °C Rated value  — at 690 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value	— at 400 V at ambient temperature 40 °C	Α	275
Rated value — up to 690 V at ambient temperature 60 °C Rated value  • at AC-3 — at 400 V Rated value — at 690 V Rated value A 97  Operating current with 1 current path • at DC-1 — at 24 V Rated value A 18 • at DC-3 — at 110 V Rated value A 250 — at 110 V Rated value A 250 — at 24 V Rated value A 250 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value A 250 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value A 250 Operating current with 3 current paths in series • at DC-3 at DC-5 — at 110 V Rated value A 250 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 Operating current with 3 current paths in series • at DC-3 — at 110 V Rated value A 250 Operating current with 3 current paths in series • at DC-3 — at 24 V Rated value A 250 Operating power • at AC-1 at 400 V Rated value  A 250 Operating power • at AC-1 — at 230 V at 60 °C Rated value  A 285 — at 690 V At 60 °C Rated value  A 285 — at 690 V Rated value  A 285 — at 230 V Rated value  A 285 — at 230 V Rated value  A 285 — at 690 V Rated value  A 285 — at 690 V Rated value  A 285 — at 690 V Rated value  A 285 — at 230 V Rated value	Rated value		
— up to 690 V at ambient temperature 60 °C Rated value  ● at AC-3  — at 400 V Rated value  A 97  Operating current with 1 current path  ● at DC-1  — at 24 V Rated value  A 250  — at 110 V Rated value  A 18  ● at DC-3 at DC-5  — at 24 V Rated value  — at 10 V Rated value  — at 24 V Rated value  — at 250  Operating current 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 250  Operating current with 3 current paths in series  ● at DC-3 at DC-5  — at 110 V Rated value  — at 24 V Rated value  — at 250  Operating power  • at AC-1  — at 230 V at 60 °C Rated value  — at 690 V at 60 °C Rated value  — at 690 V at 60 °C Rated value  — at 690 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value	— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$	Α	275
Rated value  • at AC-3  — at 400 V Rated value A 97  Operating current with 1 current path • at DC-1 — at 24 V Rated value A 18  • at DC-3 at DC-5 — at 24 V Rated value A 250  Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-3 — at 110 V Rated value A 250  Operating power • at AC-1 at 400 V Rated value A 250  Operating power • at AC-2 at 400 V Rated value  A 250  Operating power • at AC-2 at 400 V Rated value A 250  Operating power • at AC-1 — at 230 V at 60 °C Rated value A 285 — at 690 V at 60 °C Rated value A 285 — at 690 V at 60 °C Rated value A 285 — at 690 V Rated value A 280 A			
• at AC-3  — at 400 V Rated value — at 690 V Rated value A 97  Operating current with 1 current path • at DC-1 — at 24 V Rated value — at 110 V Rated value — at 24 V Rated value  • at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value  • at AC-1 at 400 V Rated value  • at AC-2 at 400 V Rated value  • at AC-2 at 400 V Rated value — at 690 V at 60 °C Rated value — at 690 V at 60 °C Rated value — at 690 V at 60 °C Rated value — at 690 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value		Α	250
- at 400 V Rated value			
— at 690 V Rated value A 97  Operating current with 1 current path  • at DC-1  — at 24 V Rated value A 18  • at DC-3 at DC-5  — at 24 V Rated value A 250  — at 110 V Rated value A 2.5  Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value A 250  Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value A 250  • at 110 V Rated value A 250  — at 110 V Rated value A 250  Operating current with 3 current paths in series  • at DC-3 at DC-5  — at 110 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value A 250  • at DC-3 at DC-5  — at 110 V Rated value A 250  • at AC-3 at 400 V Rated value KW 165  • at AC-2 at 400 V Rated value KW 55  Operating power  • at AC-1  — at 230 V at 60 °C Rated value KW 285  — at 690 V Rated value KW 285  • at AC-3  — at 230 V Rated value KW 285  • at AC-3  — at 230 V Rated value KW 285			0.7
Operating current with 1 current path  • at DC-1  — at 24 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 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 DC-3 — at 110 V Rated value — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 — at 110 V Rated value A 250 — at 110 V Rated value A 250  Operating power • at AC-1 at 400 V Rated value  • at AC-2 at 400 V Rated value  • at AC-1 — at 230 V at 60 °C Rated value  RW 285 — at 690 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value			
• at DC-1  — at 24 V Rated value — at 110 V Rated value A 18  • at DC-3 at DC-5 — at 24 V Rated value A 250 — at 110 V Rated value A 2.5  Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 250 — at 110 V Rated value A 250 — at 110 V Rated value A 250 • at DC-3 — at 110 V Rated value A 250 • at DC-3 at DC-5 — at 110 V Rated value A 250 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250 • at DC-3 at DC-5 — at 110 V Rated value A 250 • at DC-3 at DC-5 — at 110 V Rated value A 250 • at AC-3 ta 400 V Rated value  A 250 Operating power • at AC-1 — at 230 V at 60 °C Rated value A 285 — at 690 V Rated value A 285 • at AC-3 — at 230 V Rated value A 285 • at AC-3 — at 230 V Rated value A 285 • at AC-3 — at 230 V Rated value A 285		A	97
at 24 V Rated value A 18  at 110 V Rated value A 18  • at DC-3 at DC-5  at 24 V Rated value A 250  at 110 V Rated value A 2.5  Operating current with 2 current paths in series  • at DC-1  at 24 V Rated value A 250  at 110 V Rated value A 250  • at DC-3 at DC-5  at 110 V Rated value A 250  at 110 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  at 24 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  at 24 V Rated value A 250  Operating current with 3 current paths in series  • at DC-3  • at DC-3 at DC-5  at 110 V Rated value A 250  • at DC-3 at DC-5  at 110 V Rated value A 250  Operating power  • at AC-1 at 400 V Rated value A 250  Operating power  • at AC-1 at 400 V Rated value KW 55  Operating power  • at AC-1  at 230 V at 60 °C Rated value KW 95  at 690 V Rated value KW 285  at 690 V Rated value KW 285  • at AC-3  at 230 V Rated value KW 285  • at AC-3  at 230 V Rated value KW 285			
— at 110 ∨ Rated value  • at DC-3 at DC-5  — at 24 ∨ Rated value A 250  — at 110 ∨ Rated value A 2.5  Operating current with 2 current paths in series  • at DC-1  — at 24 ∨ Rated value A 250  • at DC-3 at DC-5  — at 110 ∨ Rated value A 250  • at DC-3 at DC-5  — at 110 ∨ Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 ∨ Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 ∨ Rated value A 250  Operating current with 3 current paths in series  • at DC-3  — at 110 ∨ Rated value A 250  • at DC-3 at DC-5  — at 110 ∨ Rated value A 250  Operating power  • at AC-1 at 400 ∨ Rated value A 250  Operating power  • at AC-1 at 400 ∨ Rated value A 250  Operating power  • at AC-1  — at 230 ∨ at 60 °C Rated value A 250  — at 690 ∨ Rated value A 250  • at AC-3  — at 230 ∨ Rated value A 250  • at AC-3  — at 230 ∨ Rated value A 250  • at AC-3  — at 230 ∨ Rated value A 250  • at AC-3  — at 230 ∨ Rated value A 250  • at AC-3  — at 230 ∨ Rated value A 250			0-0
• at DC-3 at DC-5             — at 24 V Rated value             — at 110 V Rated value             — at 110 V Rated value             — at 250  Operating current 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 110 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 250  Operating power              • at AC-1 at 400 V Rated value             • at AC-1             — at 230 V at 60 °C Rated value             • at 690 V Rated value             • at AC-3             — at 230 V Rated value             • at AC-3             — at 230 V Rated value			
- at 24 ∨ Rated value		А	18
— at 110 V Rated value A 2.5  Operating current with 2 current paths in series  • at DC-1  — at 24 V Rated value A 250  • at DC-3 at DC-5  — at 110 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value A 250  — at 110 V Rated value A 250  • at DC-3 at DC-5  — at 110 V Rated value A 250  Operating power  • at AC-1 at 400 V Rated value kW 55  Operating power  • at AC-1  — at 230 V at 60 °C Rated value kW 285  — at 690 V Rated value kW 285  • at AC-3  — at 230 V Rated value kW 285  • at AC-3  — at 230 V Rated value kW 285			
Operating current with 2 current paths in series         • at DC-1         — at 24 V Rated value       A       250         — at 110 V Rated value       A       250         • at DC-3 at DC-5       — at 110 V Rated value       A       250         — at 24 V Rated value       A       250         Operating current with 3 current paths in series       • at DC-1       — at 24 V Rated value       A       250         — at 110 V Rated value       A       250         — at 110 V Rated value       A       250         — at 110 V Rated value       A       250         — at 24 V Rated value       A       250         Operating power       • at AC-1 at 400 V Rated value       kW       165         • at AC-1 at 400 V Rated value       kW       55         Operating power       • at AC-1       — at 230 V at 60 °C Rated value       kW       285         — at 690 V Rated value       kW       285       — at 690 V Rated value       kW       285         • at AC-3       — at 230 V Rated value       kW       30			
• at DC-1  — at 24 V Rated value — at 110 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 — at 110 V Rated value A 250 • at DC-3 at DC-5 — at 110 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250  Operating power • at AC-1 at 400 V Rated value kW 55  Operating power • at AC-1 — at 230 V at 60 °C Rated value kW 285 — at 690 V Rated value kW 285 • at AC-3 — at 230 V Rated value kW 285 • at AC-3 — at 230 V Rated value kW 30		Α	2.5
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 110 V Rated value at 110 V Rated value at 24 V Rated value at 250  Operating power at AC-1 at 400 V Rated value at AC-1 at 230 V at 60 °C Rated value at 690 V Rated value at 230 V Rated value			
— at 110 V Rated value  • at DC-3 at DC-5  — at 110 V Rated value  A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value  A 250  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value  A 250  • at DC-3 at DC-5  — at 110 V Rated value  A 250  • at DC-3 at DC-5  — at 110 V Rated value  A 250  Operating power  • at AC-1 at 400 V Rated value  kW 165  • at AC-2 at 400 V Rated value  • at AC-1  — at 230 V at 60 °C Rated value  kW 285  — at 690 V Rated value  kW 285  • at AC-3  — at 230 V Rated value  kW 30			
• at DC-3 at DC-5 — at 110 V Rated value A 250 — at 24 V Rated value A 250  Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 250 — at 110 V Rated value A 250 • at DC-5 — at 110 V Rated value A 250 • at DC-3 at DC-5 — at 110 V Rated value A 250 Operating power • at AC-1 at 400 V Rated value kW 165 • at AC-2 at 400 V Rated value kW 55  Operating power • at AC-1 — at 230 V at 60 °C Rated value kW 285 — at 690 V Rated value kW 285 • at AC-3 — at 230 V Rated value kW 30			
at 110 V Rated value at 24 V Rated value A 250  Operating current with 3 current paths in series  ■ at DC-1 at 24 V Rated value at 110 V Rated value A 250 ■ at DC-3 at DC-5 at 110 V Rated value A 250 ■ at 110 V Rated value A 250  Operating power ■ at AC-1 at 400 V Rated value  ■ at AC-2 at 400 V Rated value  ■ at AC-1 at 230 V at 60 °C Rated value  ■ at 690 V Rated value  ■ at AC-3 at 230 V Rated value  ■ at AC-3 at 230 V Rated value  ■ at AC-3 at 230 V Rated value  ■ wW 30		Α	250
— at 24 V Rated value  Operating current with 3 current paths in series  • at DC-1  — at 24 V Rated value  — at 110 V Rated value  • at DC-3 at DC-5  — at 110 V Rated value  — at 24 V Rated value  A 250  Operating power  • at AC-1 at 400 V Rated value  • at AC-2 at 400 V Rated value  — at 230 V at 60 °C Rated value  — at 690 V Rated value  • at AC-3  — at 230 V Rated value  • at AC-3  — at 230 V Rated value  • WW 285  • at AC-3  — at 230 V Rated value  • WW 30	• at DC-3 at DC-5		
Operating current with 3 current paths in series         ● at DC-1         — at 24 V Rated value       A       250         — at 110 V Rated value       A       250         ● at DC-3 at DC-5       A       250         — at 24 V Rated value       A       250         Operating power         ● at AC-1 at 400 V Rated value       kW       165         ● at AC-2 at 400 V Rated value       kW       55         Operating power         ● at AC-1       — at 690 V at 60 °C Rated value       kW       95         — at 690 V Rated value       kW       285         ● at AC-3       — at 230 V Rated value       kW       30	— at 110 V Rated value		
• at DC-1  — at 24 V Rated value — at 110 V Rated value A 250  • at DC-3 at DC-5 — at 110 V Rated value A 250  — at 24 V Rated value A 250  Operating power • at AC-1 at 400 V Rated value  • at AC-2 at 400 V Rated value  • at AC-1 — at 230 V at 60 °C Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • at AC-3 — at 230 V Rated value  • wW 30		Α	250
- at 24 V Rated value			
- at 110 V Rated value	• at DC-1		
• at DC-3 at DC-5  — at 110 V Rated value A 250  — at 24 V Rated value A 250  Operating power  • at AC-1 at 400 V Rated value kW 165  • at AC-2 at 400 V Rated value kW 55  Operating power  • at AC-1  — at 230 V at 60 °C Rated value kW 95  — at 690 V at 60 °C Rated value kW 285  • at AC-3  — at 230 V Rated value kW 30	— at 24 V Rated value	Α	
— at 110 V Rated value       A       250         — at 24 V Rated value       A       250         Operating power         • at AC-1 at 400 V Rated value       kW       165         • at AC-2 at 400 V Rated value       kW       55         Operating power         • at AC-1       - at 230 V at 60 °C Rated value       kW       95         — at 690 V at 60 °C Rated value       kW       285         — at 690 V Rated value       kW       285         • at AC-3       - at 230 V Rated value       kW       30	— at 110 V Rated value	Α	250
— at 24 V Rated value A 250  Operating power	• at DC-3 at DC-5		
Operating power       kW       165         ● at AC-1 at 400 V Rated value       kW       55         Operating power       e at AC-1       www. 55         ● at AC-1       www. 95       www. 95         ─ at 690 V at 60 °C Rated value       kW       285         ─ at 690 V Rated value       kW       285         ● at AC-3       www. 285         ● at AC-3       www. 285         ● at 230 V Rated value       kW       30	— at 110 V Rated value	Α	250
<ul> <li>at AC-1 at 400 V Rated value</li> <li>at AC-2 at 400 V Rated value</li> <li>be at AC-2 at 400 V Rated value</li> <li>at AC-1</li> <li>at AC-1</li> <li>at 230 V at 60 °C Rated value</li> <li>at 690 V at 60 °C Rated value</li> <li>at 690 V Rated value</li> <li>at 690 V Rated value</li> <li>at AC-3</li> <li>at 230 V Rated value</li> <li>at 230 V Rated value</li> <li>at 230 V Rated value</li> </ul>	— at 24 V Rated value	Α	250
• at AC-2 at 400 V Rated value     KW	Operating power		
Operating power         • at AC-1         — at 230 V at 60 °C Rated value       kW       95         — at 690 V at 60 °C Rated value       kW       285         — at 690 V Rated value       kW       285         • at AC-3       — at 230 V Rated value       kW       30	• at AC-1 at 400 V Rated value	kW	165
• at AC-1  — at 230 V at 60 °C Rated value	• at AC-2 at 400 V Rated value	kW	55
<ul> <li>— at 230 V at 60 °C Rated value</li> <li>— at 690 V at 60 °C Rated value</li> <li>— at 690 V Rated value</li> <li>♦ at AC-3</li> <li>— at 230 V Rated value</li> <li>kW</li> <li>285</li> <li>■ at 230 V Rated value</li> <li>kW</li> <li>30</li> </ul>	. •		
<ul> <li>— at 690 V at 60 °C Rated value</li> <li>— at 690 V Rated value</li> <li>kW 285</li> <li>■ at AC-3</li> <li>— at 230 V Rated value</li> <li>kW 30</li> </ul>	• at AC-1		
<ul> <li>— at 690 V Rated value</li> <li>b at AC-3</li> <li>— at 230 V Rated value</li> <li>kW 285</li> <li>kW 30</li> </ul>	— at 230 V at 60 °C Rated value	kW	
at AC-3  — at 230 V Rated value  kW 30	— at 690 V at 60 °C Rated value	kW	
— at 230 V Rated value kW 30	— at 690 V Rated value	kW	285
	• at AC-3		
— at 400 V Rated value kW 55	— at 230 V Rated value	kW	30
	— at 400 V Rated value	kW	55

— at 500 V Rated value	kW	55
— at 690 V Rated value	kW	90

Control circuit/ Control:		
Type of voltage of the control supply voltage		AC/DC
Control supply voltage with AC		
• at 50 Hz Rated value	V	240 277
● at 60 Hz Rated value	V	240 277
Control supply voltage for DC		
Rated value	V	240 277
Rated value	Hz	40
Control supply voltage frequency 2 Rated value	Hz	60
Operating range factor control supply voltage rated		
value of the magnet coil with AC		
● at 50 Hz		0.8 1.1
● at 60 Hz		0.8 1.1
Operating range factor control supply voltage rated value of the magnet coil for DC		0.8 1.1
Design of the surge suppressor		with varistor
Apparent pick-up power of the magnet coil with AC	V·A	300
Apparent holding power of the magnet coil with AC	V·A	5.8
Closing power of the magnet coil for DC	W	360
Holding power of the magnet coil for DC	W	5.2
Inductive power factor		
<ul><li>with closing power of the coil</li></ul>		0.9
<ul> <li>with the holding power of the coil</li> </ul>		0.8
Auxiliary circuit:		
Number of NC contacts		
<ul><li>for auxiliary contacts</li></ul>		
<ul> <li>instantaneous contact</li> </ul>		2
Number of NO contacts		
• for auxiliary contacts		
— instantaneous contact		2
Operating current at AC-15		
• at 230 V Rated value	Α	6
• at 400 V Rated value	Α	3
Operating current		
• at DC-12 at 220 V Rated value	Α	1
• at DC-13 at 220 V Rated value	Α	0.3
Operating current		
• at DC-12		

- at 60 V Rated value

- at 110 V Rated value

6

3

Α

• at DC-13		
— at 24 V Rated value	Α	10
— at 60 V Rated value	Α	2
— at 110 V Rated value	Α	1
UL/CSA ratings:		1000 / 0000
Contact rating of the auxiliary contacts acc. to UL		A600 / Q600
Short-circuit:		
Design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
<ul> <li>with type of assignment 1 required</li> </ul>		fuse gL/gG: 355 A
<ul> <li>— with type of assignment 2 required</li> </ul>		fuse gL/gG: 350 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 fixing
<ul> <li>Side-by-side mounting</li> </ul>		Yes
Height	mm	172
Width	mm	120
Depth	mm	170
Required spacing		
• for grounded parts		
— 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		
<ul> <li>for AWG conductors for main contacts</li> </ul>		4 250 kcmil
• for auxiliary contacts		
— solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x
finally attached with any and an accion		(0.75 4 mm²)
— finely stranded with core end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 1x 12
• for AWG conductors for auxiliary contacts		ZA (20 10), ZA (10 14), 1A 12
Mechanical data:		
Size of contactor		S6
Ambient conditions:		
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
<ul><li>during operation</li></ul>	°C	-25 <b>+</b> 60

°C -55 ... +80 • during storage

## Certificates/ approvals:

**General Product Approval Functional Declaration of Test** Safety/Safety Conformity Certificates of Machinery







Type Examination



other

**Special Test** Certificate

# **Shipping Approval**







GL



other

Confirmation

#### other

Environmental Confirmations

## Further information

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

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

Industry Mall (Online ordering system)

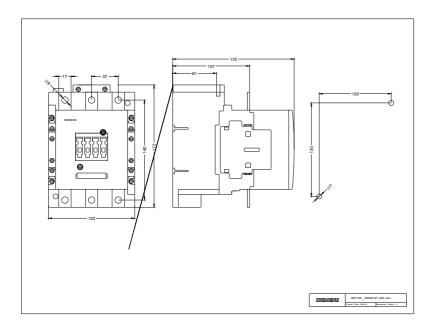
http://www.siemens.com/industrymall

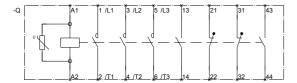
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT14566AU36

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT14566AU36/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT14566AU36&lang=en





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