SIEMENS

Data sheet

3RT2017-2KG42-0LA0



CONT. F. RAILW. A., AC-3, 5.5KW 5.5KW/400V,DC125V,0.7...1.25*US W.SUPPRESSORDIODE INTEGRATED, 3-POLE, SZ. S00, SPRING-LOADED TERMINAL

product brand name		SIRIUS	
Product designation		Coupling relay	
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 		30 000 000	
 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	
Thermal short-time current restricted to 10 s	Α	90	
Protection class IP			
• on the front		IP20	
• of the terminal		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		3	
Number of NC contacts for main contacts		0	
Number of NO contacts for main contacts		3	
Operating voltage			

Operating current • at AC-1 — at 40 0 V at ambient temperature 40 °C Rated value — 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 400 V 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-3 — at 690 V Rated value • at AC-4 at 400 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 220 V Rated value • at 10C-1 — at 24 V Rated value • at DC-3 at DC-5 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-1 — at 24 V Rated value • at DC-3 • at DC-4 • at DC-3 • at DC-4 • at DC-1	 at AC-3 Rated value maximum 	V	690
— at 400 V at ambient temperature 40 °C Rated value — 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 400 V Rated value • at AC-3 — at 400 V Rated value — at 400 V Rated value — at 690 V Rated value — at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at DC-1 — at 24 V Rated value • at 10 C-1 — at 24 V Rated value • at 10 C-3 at DC-5 — at 24 V Rated value — at 110 V Rated value • at 10 C-1 — at 24 V Rated value • at 10 C-1 — at 24 V Rated value • at 10 C-1 — at 24 V Rated value • at 10 C-1 — at 24 V Rated value — at 110 V Rated value • at 10 C-1 — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 10 C-1 — at 24 V Rated value — at 10 C-1 — at 24 V Rated value — at 10 C-1 — at 24 V Rated value — at 10 C-1 — at 24 V Rated value — at 20 V Rated val	Operating current		
Rated value — 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-3 • at 400 V Rated value — at 500 V Rated value — at 690 V Rated value — at 600 V Rated value — at 10 C-1 — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value — at 600 V Rated value — at 600 V Rated value — at 10 C-3 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 110 V Rated value — at 220 V Rated value — at 24 V Rated value — at 220 V Rated value — at	• at AC-1		
Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value — at 2110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 200 V Rated value — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 20 V Rated value — a	•	Α	22
Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 500 V Rated value — at 500 V Rated value — at 690 V Rated value A 6.7 • at AC-4 at 400 V Rated value A 6.7 • at AC-4 at 400 V Rated value A 8.5 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 400 V Rated value — at 220 V Rated value — at 600 V Rated value — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value — at 10 U Rated value — at 10 U 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 20 V Rated value — at 10 V Rated value — at 600 V Rated value — at 600 V Rated value — at 20 V Rated value — at 20 V Rated value — at 20 V Rated value — at 600 V Rated value — at 600 V Rated value — at 20 V Rated valu		Α	22
• at AC-3 — at 400 V Rated value — at 500 V Rated value — at 500 V Rated value — at 500 V Rated value — at 690 V Rated value A 6.7 • at AC-4 at 400 V Rated value A 8.5 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 600 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 24 V Rated value — at 20 V Rated value — at 20 V Rated value — at 440 V Rated value — at 20 V Rated value — at 20 V Rated value — at 600 V Rated value — at 600 V Rated value — at 20 V Rated value — at 600 V Rated value — at 600 V Rated value — at 24 V Rated value — at 250 V		Α	20
- at 400 V Rated value - at 500 V Rated value - at 690 V Rated value	● at AC-2 at 400 V Rated value	Α	12
- at 500 V Rated value	• at AC-3		
— at 690 V Rated value A 8.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 2.1 — at 220 V Rated value A 0.6 — at 440 V Rated value A 0.6 — at 440 V Rated value A 0.6 — at 440 V Rated value A 0.6 — at 10C-3 at DC-5 — at 24 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 500 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 0.30 — at 25 V Rated value A 0.30 — at 25 V Rated value A 0.30 — at 25 V Rated value A 0.30 — a	— at 400 V Rated value	Α	12
• at AC-4 at 400 V Rated value 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 600 V Rated value — at 100 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 110 V Rated value — at 110 V Rated value — at 440 V Rated value — at 440 V Rated value — at 220 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value — at 24 V Rated value — at 220 V Rated value — at 240 V Rated value — at 220 V Rated value — at 220 V Rated value — at 220 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value	— at 500 V Rated value	Α	9.2
Operating current with 1 current path • at DC-1 	— at 690 V Rated value	Α	6.7
■ at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value — at 600 V Rated value — at 3 DC-5 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 24 V Rated value — at 440 V Rated value — at 440 V Rated value — at 600 V Rated value — at 110 V Rated value — at 24 V Rated value — at 25 V Rated value — at 26 V Rated value — at 27 V Rated v	• at AC-4 at 400 V Rated value	Α	8.5
at 24 V Rated value	Operating current with 1 current path		
— at 110 V Rated value A 0.8 — at 220 V Rated value A 0.6 — at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 24 V Rated value A 20 — at 24 V Rated value A 20 — at 24 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 20	• at DC-1		
- at 220 V Rated value A 0.8 - at 440 V Rated value A 0.6 - at 600 V Rated value A 0.6 ● at DC-3 at DC-5 - at 24 V Rated value A 0.1 Operating current with 2 current paths in series ● at DC-1 - at 24 V Rated value A 20 - at 110 V Rated value A 20 - at 110 V Rated value A 12 - at 220 V Rated value A 12 - at 220 V Rated value A 1.6 - at 440 V Rated value A 0.8 - at 600 V Rated value A 0.7 ● at DC-3 at DC-5 - at 110 V Rated value A 0.35 - at 24 V Rated value A 0.35 - at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 - at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 - at 24 V Rated value A 20 - at 110 V Rated value A 20 - at 110 V Rated value A 20 - at 220 V Rated value A 20 - at 220 V Rated value A 20 - at 220 V Rated value A 20 - at 440 V Rated value A 20	— at 24 V Rated value	Α	20
— at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 420 V Rated value A 0.8 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 24 V Rated value A 20	— at 110 V Rated value	Α	2.1
— at 600 ∨ Rated value • at DC-3 at DC-5 — at 24 ∨ Rated value A Departing current with 2 current paths in series • at DC-1 — at 24 ∨ Rated value A Doparting current with 2 current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the color of the current paths in series • at DC-1 — at 220 ∨ Rated value A Date of the current paths • at DC-3 • at DC-3 — at 110 ∨ Rated value A Date of the current paths in series • at DC-3 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated value A Date of the current paths in series • at DC-1 — at 24 ∨ Rated	— at 220 V Rated value	Α	0.8
• at DC-3 at DC-5 — at 24 V Rated value A 20 — at 110 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 110 V Rated value A 20 — at 440 V Rated value A 1.3	— at 440 V Rated value	Α	0.6
at 24 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 at 24 ∨ Rated value A 20 at 110 ∨ Rated value A 12 at 220 ∨ Rated value A 1.6 at 440 ∨ Rated value A 0.8 at 600 ∨ Rated value A 0.7 • at DC-3 at DC-5 at 110 ∨ Rated value A 0.35 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 at 110 ∨ Rated value A 20 at 220 ∨ Rated value A 20 at 440 ∨ Rated value A 20 at 440 ∨ Rated value A 20 at 440 ∨ Rated value A 1.3	— at 600 V Rated value	Α	0.6
— at 110 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 ∨ Rated value A 12 — at 220 ∨ Rated value A 1.6 — at 440 ∨ Rated value A 0.8 — at 600 ∨ Rated value A 0.7 • at DC-3 at DC-5 — at 110 ∨ Rated value A 0.35 — at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 ∨ Rated value A 20 — at 110 ∨ Rated value A 20 — at 110 ∨ Rated value A 20 — at 440 ∨ Rated value A 20	• at DC-3 at DC-5		
Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 0.8 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 20 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 20 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 20 — at 440 V Rated value A 20 — at 440 V Rated value A 20	— at 24 V Rated value	Α	20
• at DC-1 — at 24 V Rated value — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 110 V Rated value	Α	0.1
- at 24 V Rated value - at 110 V Rated value - at 220 V Rated value - at 220 V Rated value - at 440 V Rated value - at 600 V Rated value - at 100 V Rated value - at 100 V Rated value - at 110 V Rated value - at 24 V Rated value - at 240 V Rated value - at 440 V Rated value	Operating current with 2 current paths in series		
— at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 20 — at 440 V Rated value A 1.3	• at DC-1		
- at 220 V Rated value A A D.8 A Cat 440 V Rated value A A D.7 ■ at DC-3 at DC-5 A A A D.35 A A Coperating current with 3 current paths in series ■ at DC-1 A A A B A Coperating Current A A	— at 24 V Rated value	Α	20
— at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 110 V Rated value	Α	12
 — at 600 V Rated value ♠ at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series ♠ at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 440 V Rated value A 20 — at 440 V Rated value A 1.3 	— at 220 V Rated value	Α	1.6
 at DC-3 at DC-5 at 110 V Rated value A 0.35 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 220 V Rated value at 220 V Rated value at 440 V Rated value A 20 A 20 at 440 V Rated value A 1.3 	— at 440 V Rated value	Α	0.8
— at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 600 V Rated value	Α	0.7
 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value A 20 — at 440 V Rated value A 1.3 	• at DC-3 at DC-5		
Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	— at 110 V Rated value	Α	0.35
● at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value A 20 A 20 — at 440 V Rated value A 1.3	— at 24 V Rated value	Α	20
— at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	Operating current with 3 current paths in series		
— at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 440 V Rated value A 1.3	● at DC-1		
 — at 220 V Rated value — at 440 V Rated value A 1.3 	— at 24 V Rated value	Α	20
— at 440 V Rated value A 1.3	— at 110 V Rated value	Α	20
	— at 220 V Rated value	Α	20
— at 600 V Rated value A 1	— at 440 V Rated value	Α	1.3
	— at 600 V Rated value	Α	1

• at DC-3 at DC-5		
— at 110 V Rated value	Α	20
— at 220 V Rated value	Α	1.5
— at 24 V Rated value	Α	20
— at 440 V Rated value	Α	0.2
— at 600 V Rated value	Α	0.2
Operating power		
● at AC-1 at 400 V Rated value	kW	13
• at AC-2 at 400 V Rated value	kW	5.5
• at AC-4 at 400 V Rated value	kW	4
Operating power		
• at AC-1		
— at 230 V at 60 °C Rated value	kW	7.5
— at 230 V Rated value	kW	7.5
— at 400 V at 60 °C Rated value	kW	13
— at 690 V at 60 °C Rated value	kW	22
— at 690 V Rated value	kW	22
• at AC-3		
— at 230 V Rated value	kW	3
— at 400 V Rated value	kW	5.5
— at 690 V Rated value	kW	5.5
Operating power for ≥ 200000 operating cycles at		
AC-4		
• at 400 V Rated value	kW	2
• at 690 V Rated value	kW	2.5
Operating frequency	_	
• at AC-3 maximum	1/h	750
Control circuit/ Control:		
Type of voltage of the control supply voltage		DC
Control supply voltage for DC		
Rated value	V	125
Operating range factor control supply voltage rated value of the magnet coil for DC		0.7 1.25
Design of the surge suppressor		with suppressor diode
Closing power of the magnet coil for DC	W	13
Holding power of the magnet coil for DC	W	4
Auxiliary circuit:		
Number of NC contacts		
for auxiliary contacts		
— instantaneous contact		0
Number of NO contacts		

• for auxiliary contacts		
— instantaneous contact		0
Product expansion Auxiliary switch		Yes
Operating current at AC-15		
• at 230 V Rated value	Α	10
• 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)
UL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
• at 480 V Rated value	Α	11
● at 600 V Rated value	Α	11
yielded mechanical performance [hp]		
 for single-phase AC motor at 110/120 V Rated value 	metric hp	0.5
 for single-phase AC motor at 230 V Rated value 	metric hp	2
 for three-phase AC motor at 200/208 V Rated value 	metric hp	3
 for three-phase AC motor at 220/230 V Rated value 	metric hp	3
 for three-phase AC motor at 460/480 V Rated value 	metric hp	7.5
 for three-phase AC motor at 575/600 V Rated value 	metric hp	10
		A600 / Q600

Short-circuit:

Design of the fuse link

- for short-circuit protection of the main circuit
 - with type of assignment 1 required
 - with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20 A

fuse gL/gG: 10 A

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	69.5
Width	mm	45
Depth	mm	121
Required spacing		
with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	6

Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	spring-loaded terminals
 for auxiliary and control current circuit 	spring-loaded terminals

Type of connectable conductor cross-section

• for main contacts	
— single or multi-stranded	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
— finely stranded without core end	2x (0.5 2.5 mm²)
processing	
 for AWG conductors for main contacts 	2x (20 12)
for auxiliary contacts	
 single or multi-stranded 	2x (0,5 4 mm²)
— finely stranded with core end processing	2x (0.5 2.5 mm²)
— finely stranded without core end	2x (0.5 2.5 mm²)
processing	
 for AWG conductors for auxiliary contacts 	2x (20 12)

Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
• with low demand rate acc. to SN 31920	%	40
 with high demand rate acc. to SN 31920 	%	73
Failure rate [FIT] with low demand rate acc. to SN	FIT	100
31920		
Product function Mirror contact acc. to IEC 60947-4-1		Yes
T1 value for proof test interval or service life acc. to	У	20
IEC 61508		
Protection against electrical shock		finger-safe
Mechanical data:		
Medianical data.		
Size of contactor		S00

Size of contactor		S00
Ambient conditions:		
Installation altitude at height above sea level	m	2 000
maximum		
Ambient temperature		
during operation	°C	-40 +7 0
 during operation Note 		Railway application: See catalog for rated conditions
during storage	°C	-55 + 80

Certificates/ approvals:

General Product Approval

Functional Safety/Safety of Machinery

Declaration of Conformity









Type Examination



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Shipping Approval

Certificates

Special Test Certificate













LRS

Shipping Approval

other







Confirmation

Environmental Confirmations



Further information

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

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

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20172KG420LA0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3RT20172KG420LA0/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=3RT20172KG420LA0&lang=en





