SIEMENS

Data sheet

3RT1056-6AT36-0UA0



contactor, 100HP, 460 / 575 V AC (50...60 Hz) / DC operation 575 ... 600 V AC/DC auxiliary contacts 2 NO + 2 NC 3-pole, frame size S6 busbar connections drive: conventional NEMA size 4

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S6
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	39 W
 at AC in hot operating state per pole 	13 W
 without load current share typical 	5.2 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	1 000 V
 of auxiliary circuit with degree of pollution 3 rated value 	500 V
surge voltage resistance	
 of main circuit rated value 	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	690 V
shock resistance at rectangular impulse	
• at AC	8,5g / 5 ms, 4,2g / 10 ms
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	13,4g / 5 ms, 6,5g / 10 ms
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
 of contactor typical 	10 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
 of the contactor with added auxiliary switch block typical 	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	05/01/2012
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %

fain circuit		
number of poles for main current circuit	3	
number of NO contacts for main contacts	3	
operating voltage		
 at AC-3 rated value maximum 	1 000 V	
 at AC-3e rated value maximum 	1 000 V	
operational current		
 at AC-1 at 400 V at ambient temperature 40 °C rated value 	215 A	
• at AC-1		
 up to 690 V at ambient temperature 40 °C rated value 	215 A	
— up to 690 V at ambient temperature 60 $^{\circ}$ C rated value	185 A	
 up to 1000 V at ambient temperature 40 °C rated value 	100 A	
 up to 1000 V at ambient temperature 60 °C rated value 	100 A	
• at AC-3		
— at 400 V rated value	135 A	
— at 500 V rated value	185 A	
— at 690 V rated value	170 A	
— at 1000 V rated value	65 A	
• at AC-3e		
— at 400 V rated value	185 A	
— at 500 V rated value	185 A	
— at 690 V rated value	170 A	
— at 1000 V rated value	65 A	
• at AC-4 at 400 V rated value	160 A	
 at AC-5a up to 690 V rated value 	189 A	
at AC-5b up to 400 V rated value	153 A	
• at AC-6a		
— up to 230 V for current peak value n=20 rated value	157 A	
 up to 400 V for current peak value n=20 rated value 	157 A	
 up to 500 V for current peak value n=20 rated value 	157 A	
 up to 690 V for current peak value n=20 rated value 	157 A	
 up to 1000 V for current peak value n=20 rated value 	65 A	
• at AC-6a		
— up to 230 V for current peak value n=30 rated value	105 A	
 up to 400 V for current peak value n=30 rated value 	105 A	
— up to 500 V for current peak value n=30 rated value	105 A	
— up to 690 V for current peak value n=30 rated value	105 A	
— up to 1000 V for current peak value n=30 rated value	65 A	
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	95 mm²	
cycles at AC-4		
at 400 V rated value	81 A	
• at 690 V rated value	65 A	
operational current		
at 1 current path at DC-1		
— at 24 V rated value	160 A	
— at 60 V rated value	160 A	
— at 110 V rated value	18 A	
— at 220 V rated value	3.4 A	
— at 440 V rated value	0.8 A	
— at 600 V rated value	0.5 A	

■ with 2 current paths in series at DC-1 —1 110 V rated value —1 160 V rated value —1 160 V rated value —1 122 V rated value —1 122 V rated value —1 160 V rated value —1 10 V rated value —1 160 V rated value —1 110 V rated value —1 122 V rated value —1 124 V rated value —1 120 V rated value —1 10 V rated value —1		
	with 2 current paths in series at DC-1	
	— at 24 V rated value	160 A
	— at 60 V rated value	160 A
all 440 V rated value	— at 110 V rated value	160 A
	— at 220 V rated value	20 A
• with 3 current paths in series at DC-1	— at 440 V rated value	3.2 A
	— at 600 V rated value	1.6 A
	 with 3 current paths in series at DC-1 	
	— at 24 V rated value	160 A
at 220 V rated value	— at 60 V rated value	160 A
	— at 110 V rated value	160 A
	— at 220 V rated value	160 A
■ at 2 V rated value	— at 440 V rated value	11.5 A
	— at 600 V rated value	4 A
at 60 V rated value	• at 1 current path at DC-3 at DC-5	
	— at 24 V rated value	160 A
	— at 60 V rated value	7.5 A
■ at 800 V rated value ■ with 2 current paths in series at DC-3 at DC-5 □ at 24 V rated value □ at 100 V rated value □ at 110 V rated value □ at 220 V rated value □ at 600 V rated value □ at 100 V rated value □ at 110 V rated value □ at 110 V rated value □ at 1440 V rated value □ at 440 V rated value □ at 600 V rated value □ at 600 V rated value □ at 600 V rated value □ at 100 V rated value □ at 100 V rated value □ at 600 V rated value □ at 1000 V rated value □	— at 220 V rated value	0.6 A
■ with 2 current paths in series at DC-3 at DC-5 □ at 24 V rated value □ at 60 V rated value □ at 60 V rated value □ at 220 V rated value □ at 220 V rated value □ at 600 V rated value □ at 110 V rated value □ at 1220 V rated value □ at 440 V rated value □ at 1230 V rated value □ at 1230 V rated value □ at 1400 V rated value □ at 600 V rated value □ at 1230 V rated value □ at 1000 V rated value □ at 500 V rated value □ at 600 V ra	— at 440 V rated value	0.17 A
at 24 V rated value 160 A at 110 V rated value 160 A at 1110 V rated value 160 A at 1110 V rated value 2.5 A at 220 V rated value 0.65 A at 600 V rated value 0.65 A at 600 V rated value 0.65 A at 24 V rated value 160 A at 600 V rated value 160 A at 600 V rated value 160 A at 220 V rated value 160 A at 60 V rated value 160 A at 110 V rated value 160 A at 400 V rated value 175 A at 400 V rated value 175 A at 600 V rated value 175 A	— at 600 V rated value	0.12 A
at 24 V rated value 160 A at 110 V rated value 160 A at 1110 V rated value 160 A at 1110 V rated value 2.5 A at 220 V rated value 0.65 A at 600 V rated value 0.65 A at 600 V rated value 0.65 A at 24 V rated value 160 A at 600 V rated value 160 A at 600 V rated value 160 A at 220 V rated value 160 A at 60 V rated value 160 A at 110 V rated value 160 A at 400 V rated value 175 A at 400 V rated value 175 A at 600 V rated value 175 A		
		160 A
at 110 V rated value		
at 220 V rated value	— at 110 V rated value	160 A
at 440 V rated value at 600 V rated value at 600 V rated value at 24 V rated value at 60 V rated value at 100 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 400 V rated value at 600 V roted value at 60		
• with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 20 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 440 V rated value — at 600 V rated value • at AC-2 at 400 V rated value • at AC-3 — at 230 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 230 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 600 V rated value — at 500 V rated value — at 600 V rated value		
• with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 60 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 600 V rated value — at 600 V rated value — ot 50 KW operating power • at AC-3 — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 500 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 230 V for current peak value n=20 rated value — at 100 000 VA — at 230 V for current peak value n=20 rated value — up to 500 V for current peak value n=20 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value — up to 500 V for current peak value n=30 rated value		
at 24 V rated value		
- at 60 V rated value		160 A
- at 110 V rated value 160 A at 220 V rated value 160 A at 220 V rated value 1.4 A at 320 V rated value 0.75 A at 320 V rated value 90 kW at 320 V rated value 90 kW at 400 V rated value 90 kW at 400 V rated value 90 kW at 500 V rated value 90 kW at 500 V rated value 90 kW at 690 V rated value 132 kW at 690 V rated value 90 kW at 320 V rated value 90 kW at 400 V rated value 90 kW at 400 V rated value 90 kW at 400 V rated value 90 kW at 690 V rated value 160 kW at 690 V rated value 90 kW at 690 V rated value 90 kW at 400 V rated value 65 kW at 400 V rated value 65 kW at 400 V rated value 90 kW		
at 220 V rated value		
at 440 V rated value		
operating power ■ at AC-2 at 400 V rated value ■ at AC-3 — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 1000 V rated value — at 230 V rated value — at 400 V rated value ■ at AC-3e — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 900 V rated value — at 400 V rated value — at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value ■ at 690 V rated value 100 kW operating apparent power at AC-6a ■ up to 230 V for current peak value n=20 rated value ■ up to 600 V for current peak value n=20 rated value ■ up to 600 V for current peak value n=20 rated value ■ up to 230 V for current peak value n=20 rated value ■ up to 230 V for current peak value n=30 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value		
• at AC-2 at 400 V rated value 90 kW • at AC-3 — at 230 V rated value 90 kW — at 400 V rated value 90 kW — at 500 V rated value 132 kW — at 690 V rated value 90 kW • at AC-3e — at 230 V rated value 160 kW — at 1000 V rated value 90 kW • at AC-3e — at 230 V rated value 90 kW • at AC-3e — at 230 V rated value 90 kW — at 500 V rated value 90 kW — at 500 V rated value 132 kW — at 690 V rated value 90 kW — at 1000 V rated value 90 kW — at 1000 V rated value 90 kW — at 690 V rated value 90 kW — at 500 V rated value 155 kW — at 400 V rated value 90 kW — operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 65 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value		
• at AC-2 at 400 V rated value • at AC-3 — at 230 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value		
■ at AC-3 — at 230 V rated value — at 500 V rated value 90 kW — at 500 V rated value 132 kW — at 690 V rated value 90 kW ■ at 1000 V rated value 90 kW ■ at AC-3e — at 230 V rated value 90 kW ■ at AC-3e — at 230 V rated value 90 kW — at 400 V rated value 90 kW — at 500 V rated value 90 kW — at 690 V rated value 90 kW — at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value ■ at 690 V rated value 90 kW Operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value ■ at 690 V rated value ■ at 690 V rated value 90 kW Operating apparent power at AC-6a ■ up to 230 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 1000 V for current peak value n=20 rated value ■ up to 1000 V for current peak value n=20 rated value ■ up to 1000 V for current peak value n=20 rated value ■ up to 230 V for current peak value n=20 rated value ■ up to 230 V for current peak value n=30 rated value ■ up to 230 V for current peak value n=30 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value		90 kW
	• at AC-3	
		55 kW
- at 500 V rated value - at 690 V rated value - at 1000 V rated value 90 kW ■ at AC-3e - at 230 V rated value 90 kW - at 400 V rated value 90 kW - at 500 V rated value 90 kW - at 500 V rated value 132 kW - at 690 V rated value 90 kW - at 1000 V rated value 90 kW - at 1000 V rated value 90 kW - at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 ■ at 400 V rated value ■ at 690 V rated value ■ up to 230 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 690 V for current peak value n=20 rated value ■ up to 1000 V for current peak value n=20 rated value ■ up to 230 V for current peak value n=20 rated value ■ up to 690 V for current peak value n=20 rated value ■ up to 1000 V for current peak value n=20 rated value ■ up to 500 V for current peak value n=20 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 400 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value ■ up to 500 V for current peak value n=30 rated value		
- at 690 V rated value - at 1000 V rated value 90 kW • at AC-3e - at 230 V rated value 55 kW - at 400 V rated value 90 kW - at 500 V rated value 90 kW - at 690 V rated value 132 kW - at 690 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value		
- at 1000 V rated value • at AC-3e - at 230 V rated value - at 400 V rated value - at 550 W - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value - at 1000 V rated value 90 kW - at 1000 V rated value 90 kW 132 kW - at 1000 V rated value 90 kW operating power for approx. 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 • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 330 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value	— at 690 V rated value	160 kW
at AC-3e — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value 45 kW operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value		90 kW
- at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value - at 1000 V rated value - at 1000 V rated value 90 kW 160 kW 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value	• at AC-3e	
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value		55 kW
- at 500 V rated value - at 690 V rated value - at 1000 V rated value 90 kW operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • up to 230 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value	— at 400 V rated value	
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value • at 690 V rated value • operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value		132 kW
operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value	— at 690 V rated value	160 kW
at AC-4 • at 400 V rated value • at 690 V rated value 65 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 90 000 VA	— at 1000 V rated value	90 kW
at AC-4 • at 400 V rated value • at 690 V rated value 65 kW operating apparent power at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 rated value • up to 230 V for current peak value n=20 rated value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 90 000 VA	operating power for approx. 200000 operating cycles	
 at 690 V rated value operating apparent power at AC-6a up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 0000 VA 40 000 VA 70 000 VA up to 500 V for current peak value n=30 rated value 90 000 VA 		
operating apparent power at AC-6a oup to 230 V for current peak value n=20 rated value oup to 400 V for current peak value n=20 rated value oup to 500 V for current peak value n=20 rated value oup to 690 V for current peak value n=20 rated value oup to 1000 V for current peak value n=20 rated value oup to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a oup to 230 V for current peak value n=30 rated value oup to 400 V for current peak value n=30 rated value oup to 500 V for current peak value n=30 rated value oup to 500 V for current peak value n=30 rated value oup to 500 V for current peak value n=30 rated value	at 400 V rated value	45 kW
 up to 230 V for current peak value n=20 rated value up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 0000 VA 110 000 VA 110 000	at 690 V rated value	65 kW
 up to 400 V for current peak value n=20 rated value up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	operating apparent power at AC-6a	
 up to 500 V for current peak value n=20 rated value up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 	 up to 230 V for current peak value n=20 rated value 	60 000 kVA
 up to 690 V for current peak value n=20 rated value up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 000 VA 40 000 VA 70 000 VA 90 000 VA 	 up to 400 V for current peak value n=20 rated value 	100 000 VA
 up to 1000 V for current peak value n=20 rated value operating apparent power at AC-6a up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 90 000 VA 	• up to 500 V for current peak value n=20 rated value	130 000 VA
value operating apparent power at AC-6a • up to 230 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 90 000 VA		180 000 VA
 up to 230 V for current peak value n=30 rated value up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 90 000 VA 		110 000 VA
 up to 400 V for current peak value n=30 rated value up to 500 V for current peak value n=30 rated value 90 000 VA 	operating apparent power at AC-6a	
• up to 500 V for current peak value n=30 rated value 90 000 VA	 up to 230 V for current peak value n=30 rated value 	40 000 VA
		70 000 VA
• up to 690 V for current peak value n=30 rated value 120 000 VA		
	• up to 690 V for current peak value n=30 rated value	120 000 VA

 up to 1000 V for current peak value n=30 rated 	110 000 VA
value	
short-time withstand current in cold operating state up to 40 °C	
limited to 1 s switching at zero current maximum	2 900 A; Use minimum cross-section acc. to AC-1 rated value
limited to 1 3 switching at zero current maximum limited to 5 s switching at zero current maximum	2 084 A; Use minimum cross-section acc. to AC-1 rated value
limited to 10 s switching at zero current maximum	1 480 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	968 A; Use minimum cross-section acc. to AC-1 rated value
limited to 60 s switching at zero current maximum	801 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	, , , , , , , , , , , , , , , , , , , ,
• at AC	2 000 1/h
• at DC	2 000 1/h
operating frequency	
• at AC-1 maximum	800 1/h
• at AC-2 maximum	300 1/h
• at AC-3 maximum	750 1/h
• at AC-3e maximum	750 1/h
• at AC-4 maximum	130 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
at 50 Hz rated value	575 600 V
at 60 Hz rated value	575 600 V
control supply voltage at DC	
rated value	575 600 V
operating range factor control supply voltage rated value of magnet coil at DC	
• initial value	0.8
full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
• at 60 Hz	0.8 1.1
design of the surge suppressor	with varistor
apparent pick-up power of magnet coil at AC	
• at 50 Hz	300 VA
• at 60 Hz	300 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.9
• at 60 Hz	0.9
apparent holding power of magnet coil at AC	E 0 \/A
at 50 Hz at 60 Hz	5.8 VA 5.8 VA
at 60 Hz inductive power factor with the holding power of the	J.0 VA
coil	
● at 50 Hz	0.8
• at 60 Hz	0.8
closing power of magnet coil at DC	360 W
holding power of magnet coil at DC	5.2 W
closing delay	
• at AC	20 95 ms
• at DC	20 95 ms
opening delay	
• at AC	40 60 ms
• at DC	40 60 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous contact	2
number of NO contacts for auxiliary contacts	2
instantaneous contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
at 230 V rated value	6 A

 at 400 V rated value 	3 A
 at 500 V rated value 	2 A
at 690 V rated value	1 A
operational current at DC-12	
at 24 V rated value	10 A
at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	0.1071
at 24 V rated value	10 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1A
at 110 V rated value at 125 V rated value	0.9 A
at 220 V rated value at 600 V rated value	0.3 A
at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
 at 480 V rated value 	180 A
at 600 V rated value	192 A
yielded mechanical performance [hp]	
 for 3-phase AC motor 	
 at 200/208 V rated value 	40 hp
 at 220/230 V rated value 	50 hp
 at 460/480 V rated value 	100 hp
 at 575/600 V rated value 	100 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
design of the fuse link • for short-circuit protection of the main circuit	~C. 255 A (000 V 400 kA)
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	gG: 355 A (690 V, 100 kA)
design of the fuse link • for short-circuit protection of the main circuit	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
design of the fuse link ■ for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA)
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 0 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 0 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm
design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required — with type of assignment 2 required • for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions mounting position fastening method • side-by-side mounting height width depth required spacing • with side-by-side mounting — forwards — upwards — downwards — at the side • for grounded parts — at the side — downwards — at the side — downwards — forwards — at the side — downwards • for live parts — forwards — upwards — upwards — downwards • for live parts — forwards — upwards — downwards — downwards	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm
design of the fuse link	gG: 315 A (690 V, 100 kA), aM: 200 A (690 V, 50 kA), BS88: 315 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA) with vertical mounting surface +/-90° rotatable, with vertical mounting surface +/- 22.5° tiltable to the front and back screw fixing Yes 172 mm 120 mm 170 mm 10 mm

type of electrical connection • for main current circuit Connection bar • for auxiliary and control circuit screw-type terminals • at contactor for auxiliary contacts Screw-type terminals of magnet coil Screw-type terminals width of connection bar 17 mm thickness of connection bar 3 mm diameter of holes 9 mm number of holes connectable conductor cross-section for main contacts stranded 25 ... 120 mm² connectable conductor cross-section for auxiliary contacts 0.5 ... 4 mm² solid or stranded • finely stranded with core end processing 0.5 ... 2.5 mm² type of connectable conductor cross-sections • for auxiliary contacts - solid 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²) - solid or stranded 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) • at AWG cables for auxiliary contacts 2x (20 ... 16), 2x (18 ... 14), 1x 12 AWG number as coded connectable conductor cross section • for auxiliary contacts 18 ... 14 afatur valatadı dat

Safety related data	
product function	
 mirror contact according to IEC 60947-4-1 	Yes
 positively driven operation according to IEC 60947- 5-1 	No
B10 value with high demand rate according to SN 31920	1 000 000
T1 value for proof test interval or service life according to IEC 61508	20 a
protection class IP on the front according to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
suitability for use	
 safety-related switching on 	Yes
 safety-related switching OFF 	Yes

Certificates/ approvals

General Product Approval



Confirmation



(II)

<u>KC</u>



EMC Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates
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Type Examination Certificate



C (

Type Test Certificates/Test Report

Special Test Certificate

Marine / Shipping	other













other		Railway		
Miscellaneous	<u>Miscellaneous</u>	Special Test Certific- ate	Vibration and Shock	

Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT1056-6AT36-0UA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1056-6AT36-0UA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AT36-0UA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

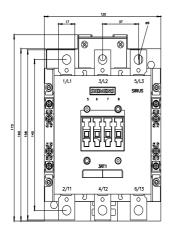
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1056-6AT36-0UA0&lang=en

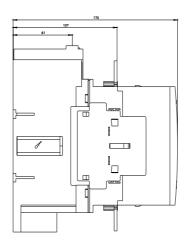
Characteristic: Tripping characteristics, I2t, Let-through current

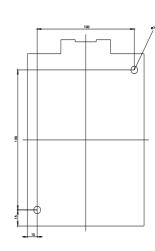
https://support.industry.siemens.com/cs/ww/en/ps/3RT1056-6AT36-0UA0/char

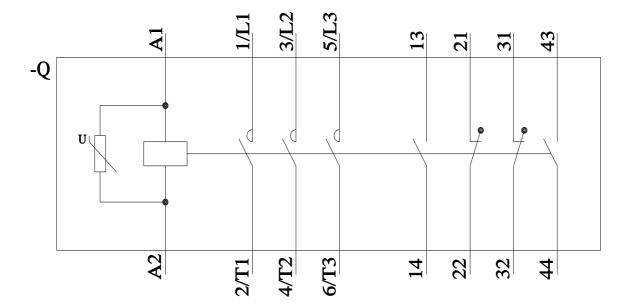
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1056-6AT36-0UA0&objecttype=14&gridview=view1









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