# **SIEMENS**

Data sheet 3RT1075-6AT36



power contactor, AC-3e/AC-3 400 A, 200 kW / 400 V AC (50-60 Hz) / DC Uc: 575-600 V 3-pole, auxiliary contacts 2 NO + 2 NC drive: conventional main circuit: busbar control and auxiliary circuit: screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT1
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
<ul> <li>auxiliary switch</li> </ul>	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	105 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	35 W
<ul> <li>without load current share typical</li> </ul>	10 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	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
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
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	95 %

maximum

Main circuit	
number of poles for main current circuit	3
number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	1 000 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C</li> </ul>	430 A
rated value	
• at AC-1	400 A
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	430 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	400 A
<ul> <li>up to 1000 V at ambient temperature 40 °C rated value</li> </ul>	200 A
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	200 A
• at AC-3	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	180 A
• at AC-3e	
— at 400 V rated value	400 A
— at 500 V rated value	400 A
— at 690 V rated value	400 A
— at 1000 V rated value	180 A
• at AC-4 at 400 V rated value	350 A
at AC-5a up to 690 V rated value	378 A
at AC-5b up to 400 V rated value	332 A
• at AC-6a	005.4
— up to 230 V for current peak value n=20 rated value	395 A
— up to 400 V for current peak value n=20 rated value	395 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	395 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	395 A
— up to 1000 V for current peak value n=20 rated value	180 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	264 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	264 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	264 A
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	264 A
<ul> <li>up to 1000 V for current peak value n=30 rated value</li> </ul>	180 A
minimum cross-section in main circuit at maximum AC-1 rated value	300 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	150 A
at 690 V rated value	135 A
operational current	
at 1 current path at DC-1	
— at 24 V rated value	400 A
— at 60 V rated value	330 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A

• with 2 current paths in series at DC-1		
	•	400 A
• with 3 current paths in series at DC-1		
	-	400 A
at 120 V rated value		
at 600 V rated value  - at 12 4V rated value  - at 200 V rated value  - at 200 V rated value  - at 240 V rated value  - at 240 V rated value  - at 400 V rated value  - at 400 V rated value  - at 600 V rated value  - at 200 V rated value  - at 600 V rated value  - at 200 V rated value  - at 500 V rated value  - at 500 V rated value  - at 500 V rated value  - at 100 V rated value  - at 100 V rated value  - at 500 V rated value  - at 600 V rated value  - at		400 A
* at 1 current path at DC-3 at DC-5  — at 24 V rated value — at 60 V rated value — at 60 V rated value — at 40 V rated value — at 40 V rated value — at 40 V rated value — at 600 V rated value — at 110 V rated value — at 110 V rated value — at 220 V rated value — at 240 V rated value — at 600 V rated value — at 220 V rated value — at 220 V rated value — at 220 V rated value — at 230 V rated value — at 600 V rat	— at 440 V rated value	11 A
	— at 600 V rated value	5.2 A
	• at 1 current path at DC-3 at DC-5	
at 220 V rated value at 440 V rated value at 600 V rated value at 100 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		400 A
	— at 60 V rated value	11 A
at 600 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 440 V rated value  at 440 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 600 V rated value  at 600 V rated value  at 110 V rated value  at 120 V rated value  at 120 V rated value  at 440 V rated value  at 460 V rated value  at 440 V rated value  at 600 V rated value  at 500 V rated value  at 600 V rated value  at 500 V rated value  at 600 V rated val	— at 220 V rated value	0.6 A
with 2 current paths in series at DC-3 at DC-5	— at 440 V rated value	0.18 A
at 24 V rated value	— at 600 V rated value	0.125 A
	<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>	
- at 110 V rated value	— at 24 V rated value	400 A
	— at 60 V rated value	400 A
at 440 V rated value at 600 V rated value at 110 V rated value at 110 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 230 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 600 V rated value at	— at 110 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 220 V rated value — at 440 V rated value — at 600 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 500 V rated value — at 600 V rated value — at 1000 V rated	— at 220 V rated value	2.5 A
• 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 220 V rated value — at 440 V rated value — at 600 V rated value — at 230 V rated value — at 500 V rated value — at 600 V rated value — at 1000 V rated value — at 1000 V rated value — at 1000 V rated value — at 600 V rated		
at 24 V rated value at 60 V rated value at 1110 V rated value at 1220 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 800 V rated value at 1000 V rated value at 800 V rated value at 1000 V rated value at 600 V rated value at 1000 V rated value		0.37 A
at 100 V rated value 400 A at 110 V rated value 400 A at 220 V rated value 400 A at 220 V rated value 1.4 A at 600 V rated value 0.75 A  operating power  •- at 60.3 at 230 V rated value 132 kW at 400 V rated value 200 kW at 400 V rated value 250 kW at 690 V rated value 400 kW at 1000 V rated value 250 kW at 1000 V rated value 250 kW at 400 V rated value 250 kW at 400 V rated value 250 kW at 500 V rated value 250 kW at 1000 V rated value 250 kW at 690 V rated value 250 kW at 1000 V rated value 250 kW at 230 V rated value 250 kW	-	
at 110 V rated value at 220 V rated value at 440 V rated value at 4600 V rated value at 600 V rated value at 600 V rated value at 230 V rated value at 430 V rated value at 400 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 rated value 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 690 V rated value at 1000 V rated value at 690 V rated value at 1000 V rated value at 400 V rated value at 230 V for current peak value n=20 rated value 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		
at 220 V rated value at 440 V rated value at 400 V rated value at 230 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 1000 V rated value at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value at 1000 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 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 400 V rated value		
- at 440 V rated value		
operating power  ■ at AC-3  — at 230 V rated value — at 400 V rated value — at 690 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 230 V rated value — at 230 V rated value — at 230 V rated value — at 200 kW  ■ at AC-3e — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value  ■ at 400 V rated value ■ at 690 V rated value ■ 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 230 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 ■ 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-3  — at 230 V rated value — at 400 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 230 V rated value — at 230 V rated value — at 250 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 690 V rated value — at 1000 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value • at 690 V rated value • at 690 V rated value • 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 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 • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value		
• at AC-3  — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 400 V rated value — at 1000 V rated value • at AC-3e — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 690 V rated value — at 690 V rated value — at 690 V rated value — at 1000 V rated value — at 1000 V rated value — at 690 V rated value — at 400 V rated value — at 400 V rated value  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  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 500 V for current peak value n=20 rated value • up to 1000 V for current peak value n=20 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 • 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		0.75 A
- 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 - at 1000 V rated value - at 230 V rated value - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value - at 500 V rated value - at 690 V rated value - at 690 V rated value - at 1000 V rated value - at 400 V rated value - at 690 V rated value - at 690 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 400 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 - up to 500 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value - up to 1000 V for current peak value n=30 rated value		
- at 400 V rated value		122 MM
at 590 V rated value		
- at 690 V rated value - at 1000 V rated value 250 kW  • at AC-3e - at 230 V rated value 200 kW - at 500 V rated value 250 kW  - at 690 V rated value 250 kW  - at 690 V rated value 250 kW  - at 1000 V rated value 250 kW  - at 400 V rated value 250 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  • 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 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 • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 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 500 V rated value — at 690 V rated value — at 1000 V rated value  — at 400 V rated value  • at 400 V rated value • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  • at 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 1000 V for current peak value n=20 rated value • up to 1000 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=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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value		
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 250 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 500 V for current peak value n=20 rated value • up to 690 V for current peak value n=20 rated value  operating apparent power at AC-6a  • up to 1000 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value operating apparent power at AC-6a  • up to 230 V for current peak value n=20 rated value oup to 500 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 operating apparent power at AC-6a  • up 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 690 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 690 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value oup to 1000 V for current peak value n=30 rated value		
- 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 250 kW  - at 690 V rated value 250 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 230 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value		200 KW
- at 400 V rated value - at 500 V rated value - at 690 V rated value - at 1000 V rated value - at 400 kW - at 690 V rated value  • 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 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 • up to 400 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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value		132 kW
- at 500 V rated value - at 690 V rated value 250 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 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 690 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 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 250 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 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 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=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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value		
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 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 230 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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value		
at AC-4  • at 400 V rated value • at 690 V rated value • at 690 V rated value  • at 690 V rated value  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=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 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated value • up to 1000 V for current peak value n=30 rated • up to 1000 V for current peak value n=30 rated • up to 1000 V for current peak value n=30 rated		
<ul> <li>at 690 V rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>310 000 V A</li> </ul>		
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=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 690 V for current peak value n=30 rated value         • up to 690 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated value         • up to 1000 V for current peak value n=30 rated         • up to 1000 V for current peak value n=30 rated         • up to 1000 V for current peak value n=30 rated         • up to 1000 V for current peak value n=30 rated         • up to 1000 V for current peak value n=30 rated         • up to 1000 V for current peak value n=30 rated	• at 400 V rated value	85 kW
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>310 000 V A</li> <li>220 000 V A</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>310 000 V A</li> </ul>		133 kW
<ul> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>340 000 V A</li> <li>100 000 V A</li> <li>100 000 V A</li> <li>220 000 V A</li> <li>310 000 V A</li> </ul>		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>340 000 V A</li> <li>100 000 V A</li> <li>180 000 V A</li> <li>220 000 V A</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>310 000 V A</li> </ul>		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> <li>up to 1000 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>310 000 V A</li> <li>220 000 V A</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>310 000 V A</li> <li>310 000 V A<!--</td--><td></td><td></td></li></ul>		
<ul> <li>up to 1000 V for current peak value n=20 rated value</li> <li>operating apparent power at AC-6a</li> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>310 000 VA</li> <li>220 000 VA</li> <li>up to 1000 V for current peak value n=30 rated value</li> <li>310 000 VA</li> </ul>		
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 690 V for current peak value n=30 rated value  • up to 1000 V for current peak value n=30 rated  • up to 1000 V for current peak value n=30 rated  310 000 VA		
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 690 V for current peak value n=30 rated value     up to 1000 V for current peak value n=30 rated		310 000 VA
<ul> <li>up to 230 V for current peak value n=30 rated value</li> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated</li> <li>310 000 VA</li> <li>310 000 VA</li> <li>310 000 VA</li> </ul>		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated</li> <li>310 000 VA</li> <li>310 000 VA</li> <li>310 000 VA</li> </ul>		100 000 VA
<ul> <li>up to 500 V for current peak value n=30 rated value</li> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated</li> <li>310 000 VA</li> <li>310 000 VA</li> </ul>	·	
<ul> <li>up to 690 V for current peak value n=30 rated value</li> <li>up to 1000 V for current peak value n=30 rated</li> <li>310 000 VA</li> <li>310 000 VA</li> </ul>		
• up to 1000 V for current peak value n=30 rated 310 000 VA		
	value	

short-time withstand current in cold operating state	
up to 40 °C	6 600 At Lies minimum gross section and to AC 1 rated value
Ilimited to 1 s switching at zero current maximum	6 600 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 5 s switching at zero current maximum	5 761 A; Use minimum cross-section acc. to AC-1 rated value
Iimited to 10 s switching at zero current maximum	4 143 A; Use minimum cross-section acc. to AC-1 rated value
limited to 30 s switching at zero current maximum	2 635 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 088 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	
<ul><li>at AC-1 maximum</li></ul>	700 1/h
<ul> <li>at AC-2 maximum</li> </ul>	200 1/h
<ul> <li>at AC-3 maximum</li> </ul>	500 1/h
<ul> <li>at AC-3e maximum</li> </ul>	500 1/h
<ul> <li>at AC-4 maximum</li> </ul>	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	830 VA
● at 60 Hz	830 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	
● at 50 Hz	9.2 VA
● at 60 Hz	9.2 VA
inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.9
● at 60 Hz	0.9
closing power of magnet coil at DC	920 W
holding power of magnet coil at DC	10 W
	10 11
closing delay	10 **
	45 100 ms
closing delay	
closing delay • at AC	45 100 ms
closing delay  ● at AC  • at DC	45 100 ms
closing delay  ■ at AC  ■ at DC  opening delay	45 100 ms 45 100 ms
closing delay	45 100 ms 45 100 ms 60 100 ms
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2
closing delay	45 100 ms 45 100 ms 60 100 ms 60 100 ms 10 15 ms Standard A1 - A2

<ul><li>at 690 V rated value</li></ul>	1 A
operational current at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 48 V rated value</li> </ul>	6 A
<ul> <li>at 60 V rated value</li> </ul>	6 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
<ul> <li>at 125 V rated value</li> </ul>	2 A
<ul> <li>at 220 V rated value</li> </ul>	1 A
<ul> <li>at 600 V rated value</li> </ul>	0.15 A
operational current at DC-13	
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	1 A
at 125 V rated value	0.9 A
at 220 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	riddity switching per 100 million (17 V, 1 mill)
full-load current (FLA) for 3-phase AC motor	264 A
at 480 V rated value	361 A
• at 600 V rated value	382 A
yielded mechanical performance [hp]	
• for 3-phase AC motor	407.1
— at 200/208 V rated value	125 hp
— at 220/230 V rated value	150 hp
— at 460/480 V rated value	300 hp
— at 575/600 V rated value	400 hp
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
<ul> <li>for short-circuit protection of the main circuit</li> </ul>	
	gG: 630 A (690 V, 100 kA)
<ul> <li>for short-circuit protection of the main circuit</li> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> </ul>	gG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415
<ul> <li>— with type of coordination 1 required</li> </ul>	,
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>• for short-circuit protection of the auxiliary switch</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>• for short-circuit protection of the auxiliary switch</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA)
<ul> <li>— with type of coordination 1 required</li> <li>— with type of assignment 2 required</li> <li>• for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 A (415 V, 50 kA) gG: 10 A (500 V, 1 kA)  with vertical mounting surface +/-90° rotatable, with vertical mounting
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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
— 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	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>side-by-side mounting</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>height</li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm  20 mm 10 mm 10 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm
<ul> <li>with type of coordination 1 required</li> <li>with type of assignment 2 required</li> <li>for short-circuit protection of the auxiliary switch required</li> <li>Installation/ mounting/ dimensions</li> <li>mounting position</li> <li>fastening method         <ul> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>required spacing</li> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> </ul> </li> </ul>	gG: 500 A (690 V, 100 kA), aM: 400 A (690 V, 50 kA), BS88: 450 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 214 mm 160 mm 225 mm  20 mm 10 mm 10 mm
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• for main current circuit

• for auxiliary and control circuit

• at contactor for auxiliary contacts

of magnet coil

width of connection bar

thickness of connection bar

diameter of holes

number of holes

connectable conductor cross-section for main contacts

stranded

connectable conductor cross-section for auxiliary contacts

- solid or stranded
- finely stranded with core end processing

type of connectable conductor cross-sections

- for auxiliary contacts
  - solid
  - solid or stranded
  - finely stranded with core end processing
- at AWG cables for auxiliary contacts

AWG number as coded connectable conductor cross section

for auxiliary contacts

Connection bar

screw-type terminals

Screw-type terminals

Screw-type terminals

25 mm

6 mm

11 mm

1

70 ... 240 mm<sup>2</sup>

0.5 ... 4 mm<sup>2</sup>

0.5 ... 2.5 mm<sup>2</sup>

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²), max. 2x (0.75 ... 4 mm²)

2x (0,5 ... 1,5 mm²), 2x (0,75 ... 2,5 mm²), max. 2x (0,75 ... 4 mm²)

2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)

2x (20 ... 16), 2x (18 ... 14), 1x 12

18 ... 14

# Safety related data

#### product function

• mirror contact according to IEC 60947-4-1

• positively driven operation according to IEC 60947-

B10 value with high demand rate according to SN 31920

T1 value for proof test interval or service life according to IEC 61508

protection class IP on the front according to IEC 60529

touch protection on the front according to IEC 60529 suitability for use

· safety-related switching OFF

Yes No

1 000 000

20 a

IP00; IP20 with box terminal/cover

finger-safe, for vertical contact from the front with box terminal/cover

Yes

# Certificates/ approvals

# **General Product Approval**

**EMC** 

**Functional** Safety/Safety of Machinery



Confirmation





**Type Examination** Certificate

# **Declaration of Conformity**

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report

**Special Test Certific-**<u>ate</u>





Marine / Shipping



**Miscellaneous** 

other

Confirmation

Confirmation





**Miscellaneous** 

Special Test Certific- 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=3RT1075-6AT36

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1075-6AT36

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AT36

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

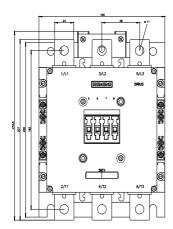
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1075-6AT36&lang=en

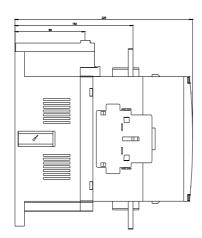
Characteristic: Tripping characteristics, I2t, Let-through current

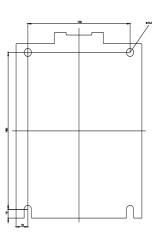
https://support.industry.siemens.com/cs/ww/en/ps/3RT1075-6AT36/char

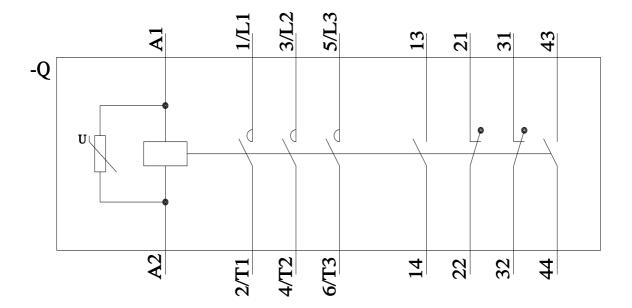
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1075-6AT36&objecttype=14&gridview=view1









last modified: 2/10/2023 🖸