## SIEMENS

## Data sheet

## 3RT2027-2CL24-3MA0



Power contactor, AC-3 32 A, 15 kW / 400 V 2 NO + 2 NC, 230 V AC 50/60 Hz, with inserted varistor 3-pole, Size S0 Spring type terminal Captive auxiliary switch

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S0
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	No
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	6.3 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	2.3 W
<ul> <li>without load current share typical</li> </ul>	10.5 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	690 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	690 V
surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	8,3g / 5 ms, 5,3g / 10 ms
shock resistance with sine pulse	
• at AC	13,5g / 5 ms, 8,3g / 10 ms
mechanical service life (switching cycles)	
<ul> <li>of contactor typical</li> </ul>	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)	10/01/2009
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 %

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>	690 V
<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	50 A
● at AC-1	
<ul> <li>— up to 690 V at ambient temperature 40 °C rated value</li> </ul>	50 A
— up to 690 V at ambient temperature 60 °C rated value	42 A
• at AC-3	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
• at AC-3e	
— at 400 V rated value	32 A
— at 500 V rated value	32 A
— at 690 V rated value	21 A
<ul> <li>at AC-4 at 400 V rated value</li> </ul>	22 A
<ul> <li>at AC-5a up to 690 V rated value</li> </ul>	44 A
<ul> <li>at AC-5b up to 400 V rated value</li> </ul>	26.5 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	30.8 A
<ul> <li>— up to 400 V for current peak value n=20 rated value</li> </ul>	30.8 A
— up to 500 V for current peak value n=20 rated value	27 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> <li>at AC-6a</li> </ul>	21 A
<ul> <li>at AC-ba</li> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	20.5 A
<ul> <li>— up to 400 V for current peak value n=30 rated value</li> </ul>	20.5 A
<ul> <li>— up to 500 V for current peak value n=30 rated value</li> </ul>	18 A
— up to 690 V for current peak value n=30 rated value	18 A
minimum cross-section in main circuit at maximum AC-1 rated value	10 mm <sup>2</sup>
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	12 A
• at 690 V rated value	12 A
operational current	
<ul> <li>at 1 current path at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	

— at 24 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	35 A				
— at 440 V rated value	2.9 A				
— at 600 V rated value	1.4 A				
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	20 A				
— at 110 V rated value	2.5 A				
— at 220 V rated value	1 A				
— at 440 V rated value	0.09 A				
— at 600 V rated value	0.06 A				
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	35 A				
— at 110 V rated value	15 A				
— at 220 V rated value	3 A				
— at 440 V rated value	0.27 A				
— at 600 V rated value	0.16 A				
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>					
— at 24 V rated value	35 A				
— at 110 V rated value	35 A				
— at 220 V rated value	10 A				
— at 440 V rated value	0.6 A				
— at 600 V rated value	0.6 A				
operating power					
at AC-2 at 400 V rated value	15 kW				
● at AC-3					
— at 230 V rated value	7.5 kW				
— at 400 V rated value	15 kW				
— at 500 V rated value	15 kW				
— at 690 V rated value	18.5 kW				
• at AC-3e					
— at 230 V rated value	7.5 kW				
— at 400 V rated value	15 kW				
— at 500 V rated value	15 kW				
— at 690 V rated value	18.5 kW				
operating power for approx. 200000 operating cycles					
at AC-4					
• at 400 V rated value	6 kW				
• at 690 V rated value	10.3 kW				
operating apparent power at AC-6a					
• up to 230 V for current peak value n=20 rated value	12.2 kVA				
• up to 400 V for current peak value n=20 rated value	21.3 kVA				
• up to 500 V for current peak value n=20 rated value	23.3 kVA				
• up to 690 V for current peak value n=20 rated value	25 kVA				
operating apparent power at AC-6a					
• up to 230 V for current peak value n=30 rated value	8.1 kVA				
• up to 400 V for current peak value n=30 rated value	14.2 kVA				
• up to 500 V for current peak value n=30 rated value	15.5 kVA				
• up to 690 V for current peak value n=30 rated value	21.5 kVA				
short-time withstand current in cold operating state					
up to 40 °C					
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	499 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	395 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	260 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	186 A; Use minimum cross-section acc. to AC-1 rated value				
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	152 A; Use minimum cross-section acc. to AC-1 rated value				
no-load switching frequency					
• at AC	5 000 1/h				
operating frequency					
• at AC-1 maximum	1 000 1/h				
• at AC-2 maximum	750 1/h				

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• at AC-3 maximum	750 1/h				
• at AC-3e maximum	750 1/h				
• at AC-4 maximum	250 1/h				
Control circuit/ Control					
type of voltage of the control supply voltage	AC				
control supply voltage at AC					
• at 50 Hz rated value	230 V				
at 60 Hz rated value	230 V				
operating range factor control supply voltage rated value of magnet coil at AC					
• at 50 Hz	0.8 1.1				
• at 60 Hz	0.85 1.1				
design of the surge suppressor	with varistor				
apparent pick-up power of magnet coil at AC					
• at 50 Hz	81 VA				
• at 60 Hz	79 VA				
inductive power factor with closing power of the coil					
• at 50 Hz	0.72				
• at 60 Hz	0.74				
apparent holding power of magnet coil at AC					
• at 50 Hz	10.5 VA				
• at 60 Hz	8.5 VA				
inductive power factor with the holding power of the coil					
• at 50 Hz	0.25				
• at 60 Hz	0.28				
closing delay					
• at AC	8 40 ms				
opening delay					
• at AC	4 16 ms				
arcing time	10 10 ms				
control version of the switch operating mechanism Auxiliary circuit	Standard A1 - A2				
number of NC contacts for auxiliary contacts instantaneous contact	2				
number of NO contacts for auxiliary contacts	2				
instantaneous contact					
	- 10 A				
instantaneous contact	_				
instantaneous contact operational current at AC-12 maximum	_				
instantaneous contact operational current at AC-12 maximum operational current at AC-15	10 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value	10 A 6 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value	10 A 6 A 3 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value	10 A 6 A 3 A 2 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value	10 A 6 A 3 A 2 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12	10 A 6 A 3 A 2 A 1 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value	10 A 6 A 3 A 2 A 1 A 10 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 220 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 600 V rated value • at 24 V rated value • at 600 V rated value • at 600 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value operational current at DC-12 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 48 V rated value • at 600 V rated value • at 48 V rated value • at 400 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0 15 A 6 A 2 A 1 A 0 .15 A 6 A 2 A 1 A 0 .15 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 10 V rated value • at 20 V rated value • at 20 V rated value • at 20 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A 6 A 0.15 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 24 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 48 V rated value • at 20 V rated value • at 20 V rated value • at 600 V rated value • at 600 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A 6 A 3 A 2 A 1 A 0.15 A				
instantaneous contact operational current at AC-12 maximum operational current at AC-15 • 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 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 24 V rated value • at 24 V rated value • at 25 V rated value • at 20 V rated value • at 10 V rated value • at 20 V rated value • at 20 V rated value • at 20 V rated value	10 A 6 A 3 A 2 A 1 A 10 A 6 A 6 A 3 A 2 A 1 A 6 A 2 A 1 A 0.15 A 6 A 2 A 1 A 0.15 A				

• af 80 V rade value     27 A       • af 80 V rade value     27 A       • yielded mechanical performance (bp)     • for single-phase AC motor       - a 120 V rated value     5 hp       • for 3 phase AC motor     - at 200 208 V rade value       - at 200 208 V rade value     10 hp       - at 200230 V rade value     20 hp       - at 450440 V rade value     20 hp       - at 25000 V rade value     26 ho       contact rating of auxiliary contacts according to UL     A600 / 0600       Short-tricult protection of the main circuit     gC: 125A (690V, 100kA), aM: 50A (690V, 100kA), BS88: 125A (415V, 80A)       - with type of assignment 2 required     gC: 126A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80A)       mounting position     d*-100° robation possible on vertical mounting surface: can be bited forward and backward by +-22.5° on vertical mounting surface: can be bited forward and backward by +-22.5° on vertical mounting surface: can be bited forward and backward by +-22.5° on vertical mounting surface: can be bited forwards       • exide by-side mounting     Yes       meunting position     d*-100° robation possible on vertical mounting surface: can be bited forward and backward by +-22.5° on vertical mounting surface: can be bited forward and backward by +-22.5° on vertical mounting surface: can be bited forward and backward by +-22.5° on	full load ourrent (ELA) for 9 phase 40 mater	-			
• et 600 V rated value     27 A       yielded mechanical performance (hp)     • for single-phase AC motor     2 hp       - at 110/120 V rated value     2 hp       • for 3 phase AC motor     10 hp       - at 220/230 V rated value     10 hp       - at 220/230 V rated value     10 hp       - at 220/230 V rated value     20 hp       - at 420/430 V rated value     20 hp       - at 420/230 V rated value     20 hp       - at 420/230 V rated value     20 hp       - at 575500 V rated value     26 hp       - or 404400 V rated value     26 hp       - or 404400 V rated value     26 hp       - or 404400 V rated value     26 hp       - or 4575500 V rated value     26 hp       - or 4575500 V rated value     26 hp       - or with type of coordination 1 required     gC: 125A (690V, 100kA), ab: 50A (690V, 100kA), BS88: 125A (415V, 495A)       - with type of assignment 2 required     gC: 10 A (500 V, 1 kA)       Testating method     screar and ang-ne mounting onto 35 mm standard mounting surface: can be tilted       forward and backward by +i.2 28 'no newrical mounting surface: can be tilted       required spacing     10 mm       • side-by-side mounting     - forwards       - forwards     10 mm       - forwards     10 mm       - forwards     10 mm <td< td=""><td>full-load current (FLA) for 3-phase AC motor</td><td>27.4</td></td<>	full-load current (FLA) for 3-phase AC motor	27.4			
yield mechanical performance (tp)         • if or single-phase AC motor         - at 1230 V rated value       5 hp         • for 3-phase AC motor         - at 200220 V rated value       10 hp         - at 200220 V rated value       10 hp         - at 200220 V rated value       20 hp         - at 460480 V rated value       20 hp         - at 460480 V rated value       28 hp         contact rating of auxiliary contacts according to UL       A600 / 0600         Short-Account protection       design of the fuse link         - with type of coordination 1 required       g6: 125A (680V, 100KA), aM: 50A (680V, 100KA), BS88: 125A (415V, 80KA)         - with type of assignment 2 required       g6: 10 A (680V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         - with type of assignment 2 required       g6: 10 A (680V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         installation/ mounting differencies       g7: 10 A (800 V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         installed mounting       g7: 10 A (800 V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         installed mounting differencies       g7: 10 A (800 V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         installed mounting       g7: 10 A (800 V, 100KA), aM: 52A (680V, 100KA), BS88: 50A (415V, 80KA)         installed mounting       g8: 10 mm					
• for single-phase AC motor         2 hp		27 A			
- af 110/120 V rated value 5 hp - at 230 V rated value 5 hp - at 230/280 V rated value 10 hp - at 4200/280 V rated value 20 hp - at 450/480 V rated value 20 hp - at 450/480 V rated value 25 hp contact rating of auxiliary contacts according to UL A600 / 0600 Short-circuit protection of the main circuit 4 - with type of assignment 2 required 4150, 800, 1000A), att. 50A (690V, 100AA), BSB: 125A (415V, 80KA) - with type of assignment 2 required 4150, 800, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A), att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 500, 1000A, att. 50A (690V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 400, 1000, att. 50A (500V, 100AA), BSB: 50A (415V, 80KA) - with type of assignment 2 required 400, 400, 400, 400, 400, 400, 400, 400					
<ul> <li>- at 230 Y rated value</li> <li>for 3-phase AC motor</li> <li>- at 220220 V rated value</li> <li>10 hp</li> <li>- at 220230 V rated value</li> <li>10 hp</li> <li>- at 220230 V rated value</li> <li>20 hp</li> <li>- at 575600 V rated value</li> <li>28 hp</li> <li>- contact rating of auxiliary contacts according to UL</li> <li>A680 / G600</li> <li>Short-circuit protection of the main circuit</li> <li>- with type of coordination 1 required</li> <li>(or short-circuit protection of the auxiliary switch required</li> <li>- or short-circuit protection of the auxiliary switch required</li> <li>- or short-circuit protection of the auxiliary switch required</li> <li>- with type of assignment 2 required</li> <li>- sole-by-side mounting</li> <li>- for short-circuit protection of the auxiliary switch required spacing</li> <li>- with side-by-side mounting</li> <li>- sole-by-side mounting</li> <li>- sole-by-side mounting</li> <li>- sole-by-side mounting</li> <li>- with side-by-side mounting</li> <li>- with side-by-side mounting</li> <li>- with side-by-side mounting</li> <li>- forwards</li> <li>- onwards</li> <l< td=""><td>0 1</td><td colspan="4">0 hz</td></l<></ul>	0 1	0 hz			
		5 np			
- at 220230 V rated value     10 hp       - at 460480 V rated value     20 hp       - at 460480 V rated value     25 hp       contact rating of auxiliary contacts according to UL     A800 / G600       Short-sircul protection of the main circuit     - with type of coordination 1 required       - with type of coordination 1 required     gG: 125A (690V, 100kA), aM: 50A (690V, 100kA), BS8B: 125A (415V, 80KA)       - with type of assignment 2 required     gG: 125A (690V, 100kA), aM: 50A (690V, 100kA), BS8B: 50A (415V, 80KA)       - with type of assignment 2 required     gG: 10 A (500 V, 1 KA)       installation/ mounting/ dimensions     # /180° rotation possible on vertical mounting surface; can be tilted forward and backward by 4+ 22.5° on vertical mounting surface       fastening method     side-by-side mounting       • side-by-side mounting     Yes       height     10 mm       - downwards     10 mm       - downwards     10 mm       - downwards     10 mm       - at the side     6 mm       - for auxiliary and control circuit     spring-type terminals       - for auxiliary and control circuit     spring-type terminals       - downwards     10 mm       - downwards     10 mm   <	•				
		•			
<ul> <li></li></ul>					
contact rating of auxiliary contacts according to UL       A600 / 0600         Short-circuit protection       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       g6: 1254, (600V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80AA)         • for short-circuit protection of the auxiliary switch required       g6: 10A (600V, 100KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80AA)         • for short-circuit protection of the auxiliary switch required       g6: 10A (600 V, 10KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80AA)         • for short-circuit protection of the auxiliary switch required       g6: 10A (600 V, 10KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80AA)         • for short-circuit protection of the auxiliary switch required       g6: 10A (600 V, 10KA), aM: 25A (690V, 100KA), BS88: 50A (415V, 80AA)         • isde-by-side mounting					
Short-circuit protection         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         • for short-circuit protection of the auxiliary switch required         Installation/mounting/ dimensions         mounting position         fastening method         • side-by-side mounting         • side-by-side mounting         Yes         height         width         dopth         • or grounded parts         • for wards         • of regrounded parts         • for wards         • of regrounded parts         • for wards         • of regrounded parts         • for live parts         • of regrounded parts         • for wards       10 mm         • downwards       10 mm         • downwards       10 mm         • for live parts       10 mm         • for wards       10 mm					
design of the fuse link <ul> <li>for short-drout protection of the main circuit</li> <li>with type of coordination 1 required</li> <li>gG: 125A (690V,100kA), aM: 50A (690V,100kA), BS8B: 125A (415V, 80kA)</li> <li>gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS8B: 50A (415V, 80kA)</li> <li>gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS8B: 50A (415V, 80kA)</li> <li>gG: 10 A (500 V, 1 kA)</li> </ul> mounting position <ul> <li>4/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by 4/- 22.5° on vertical mounting surface screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715</li> <li>Yes</li> <li>height</li> <li>side-by-side mounting</li> <li>Yes</li> <li>height</li> <li>102 mm</li> <li>with side-by-side mounting</li> <li>- forwards</li> <li>- onwards</li> <li>- onmouting oncertain contection</li> <li>- onwards</li> <li>- ondictor for auxiliary contacts</li> <li>- ondid or stranded</li> <li>- solid</li> <li>- solid or stranded</li> <li>- ninely stranded with core end processing</li> <li>2x (1 10 mm<sup>2</sup>)</li> <li>- ninely stranded with core end processing</li> </ul>		A6007 Q600			
<ul> <li>for short-circuit protection of the main circuit             — with type of coordination 1 required             — with type of assignment 2 required             — with type of assignment 2 required             G: 50A (690V, 100kA), aM: 50A (690V, 100kA), BS88: 50A (415V, 696A)             G: for short-circuit protection of the auxiliary switch             required             for availage and snap-on mounting outpace; can be tilted             forward and backward by 4/- 22.5" on vertical mounting surface;             scae val snap-on mounting onto 35 mm standard mounting rail             according to DIN EN 60715             ves             side-by-side mounting             - forwards             102 mm             width             defin             - forwards             10 mm             - quivards             10 mm             - downwards             10 mm             - quivards             10 mm             - downwards             10 mm             - downwards             10 mm             - downwards             10 mm             - downivards             10 mm             - downwards</li></ul>					
- with type of coordination 1 required     g3: 122A (680V,100kA), aM: 50A (690V,100kA), BS88: 125A (415V,80kA)       - with type of assignment 2 required     g3: 50A (690V,100kA), aM: 25A (690V,100kA), BS88: 50A (415V, 80kA)       • for short-circuit protection of the auxiliary switch required     g3: 10 A (500 V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)       Installation/ mounting / dimensions	0				
with type of assignment 2 required       (415V, 20kÅ)        with type of assignment 2 required       g6: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 20kA)         • for short-circuit protection of the auxiliary switch required       g6: 10 A (500 V, 1 kA)         Installation/ mounting/ dimensions       -/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° on vertical mounting surface;         fastening method       screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715         • side-by-side mounting       Yes         height       102 mm         width       45 mm         depth       144 mm         required spacing       0 mm         • with side-by-side mounting       10 mm         - upwards       10 mm         - upwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - forvards       10 mm         - downwards       10 mm					
- with type of assignment 2 required     gC: 50A (690V, 100kA), aM: 25A (690V, 100kA), BS88: 50A (415V, 80kA)       • for short-circuit protection of the auxiliary switch required     gC: 10 A (500 V, 1 kA)       Installation/mounting/dimensions     +/180° rotation possible on vertical mounting surface; can be tilted forward and backward by ×/.22.5° on vertical mounting surface       fastening method     screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715       • side-by-side mounting     Yes       height     102 mm       width     45 mm       depth     144 mm       required spacing     0 mm       - upwards     10 mm       - upwards     10 mm       - downwards     0 mm       - forwards     10 mm       - downwards     10 mm       - upwards     10 mm       - downwards     10 mm       - ofor axiliary contacts     5 pring-loaded ter	<ul> <li>— with type of coordination 1 required</li> </ul>				
• for short-circuit protection of the auxiliary switch required       gG: 10 A (500 V, 1 kA)         mounting position       -/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-22.5° no vertical mounting surface         fastening method       screw and backward by +/-22.5° nm standard mounting rail according to DIN EN 60715         • side-by-side mounting       Yes         height       102 nm         width       45 mm         depth       144 mm         • with side-by-side mounting       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm	- with type of assignment 2 required	gG: 50A (690V,100kA), aM: 25A (690V, 100kA), BS88: 50A (415V,			
required         Installation/ mounting/ dimensions           mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface           fastening method         screw and backward by +/- 22.5° on vertical mounting surface           • side-by-side mounting         Yes           height         102 mm           width         45 mm           depth         144 mm           required spacing         0 mm           • with side-by-side mounting         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - downwards         10 mm           - forwards         10 mm           - at the side         0 mm           - forwards         10 mm           - at the side         0 mm           - ownwards         10 mm           - at the side         6 mm           - downwards         10 mm           - otherwards         10 mm           - otherwards <td><ul> <li>for short-circuit protection of the auxiliary switch</li> </ul></td> <td>·</td>	<ul> <li>for short-circuit protection of the auxiliary switch</li> </ul>	·			
mounting position         +/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/-2.25° on vertical mounting rail according to DIN EN 60715           • side-by-side mounting         Yes           height         102 mm           width         45 mm           depth         144 mm           required spacing         0 mm           • with side-by-side mounting         0 mm           - forwards         10 mm           - upwards         10 mm           - downwards         10 mm           - at the side         0 mm           - forwards         10 mm           - at the side         0 mm           - orwards         10 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - at the side         6 mm           - of or wards         10 mm           - at the side         6 mm           -					
forward and backward by +-2.25° on vertical mounting surface           fastening method         screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715           height         102 mm           width         45 mm           depth         144 mm           required spacing         0 mm           • with side-by-side mounting         10 mm           - forwards         10 mm           - upwards         10 mm           - downwards         0 mm           - downwards         10 mm           - downwards         10 mm           - at the side         0 mm           - forwards         10 mm           - at the side         0 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - downwards         10 mm           - at the side         6 mm           - forwards         10 mm           - upwards         10 mm           - at the side         6 mm           - at the side         6 mm           - forwards         10 mm           - at the side         6 mm           - forwards         10 mm	Installation/ mounting/ dimensions				
fastening method       screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 60715         • side-by-side mounting       Yes         height       102 mm         width       45 mm         depth       144 mm         required spacing       0 mm         • with side-by-side mounting       0 mm         - forwards       10 mm         - upwards       0 mm         - downwards       0 mm         - at the side       0 mm         - forwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - forwards       10 mm         - at the side       6 mm         for auxiliary control circuit	mounting position				
height       102 mm         width       45 mm         depth       144 mm         required spacing       144 mm         • with side-by-side mounting       10 mm         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         - for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         - for auxiliary contacts       5 pring-topaded terminals         is or angenet coil	-	according to DIN EN 60715			
width       45 mm         depth       144 mm         required spacing       144 mm         • with side-by-side mounting       -         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         • for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       5 pring-type terminals         of main contactor       Spring-t					
depth       144 mm         required spacing       • with side-by-side mounting         - forwards       10 mm         - upwards       10 mm         - downwards       0 mm         - downwards       10 mm         - for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connection// Terminals       6 mm         - at the side       6 mm         Connection// Terminals       spring-loaded terminals         if or main current circuit       spring-loaded terminals         of magnet coil       Spring-type terminals         of magnet coll       Spring-type terminals         of magnet coll       Spring-type terminals         of main contacts       2x (1 10 mm²)	-				
required spacing         • with side-by-side mounting         - forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         • for grounded parts       0 mm         - at the side       0 mm         - forwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         Connections/ Terminals       10 mm         - at the side       6 mm         Connections/ Terminals       5 pring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • of magnet coil       5 pring-type terminals         • of magnet coil       Spring-type terminals         • of magnet coil       2x (1 10 mm²)         - solid       2x (1 10 mm²)         <					
<ul> <li>with side-by-side mounting         <ul> <li>forwards</li> <li>upwards</li> <li>0 mm</li> <li>downwards</li> <li>0 mm</li> <li>downwards</li> <li>0 mm</li> <li>at the side</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>for younded parts</li> <li>for younded parts</li> <li>for wards</li> <li>10 mm</li> <li>upwards</li> <li>for mannet</li> <li>upwards</li> <li>for mm</li> <li>upwards</li> <li>for mm</li> <li>upwards</li> <li>for mm</li> <li>downwards</li> <li>for mm</li> <li>upwards</li> <li>for mm</li> <li>downwards</li> <li>for mm</li> <li>upwards</li> <li>for mannet</li> <li>downwards</li> <li>for mannet</li> <li>for wards</li> <li>for mannet</li> <li>downwards</li> <li>for mm</li> <li>upwards</li> <li>for mannet</li> <li>downwards</li> <li>for mm</li> <li>downwards</li> <li>for mm</li> <li>downwards</li> <li>for mm</li> <li>downwards</li> <li>for mm</li> <li>downwards</li> <li>for main current circuit</li> <li>spring-loaded terminals</li> <li>for auxiliary and control circuit</li> <li>spring-loaded terminals</li> <li>at contactor for auxiliary contacts</li> <li>Spring-type terminals</li> <li>of magnet coil</li> <li>spring-type terminals</li> <li>for main contacts</li> <li>solid</li> <li>axil down m<sup>2</sup>)</li> <li>solid or stranded</li> <li>axil downm<sup>2</sup>)</li> <li></li></ul></li></ul>	•				
- forwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       0 mm         • for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - forwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - for auxiliary and control circuit       spring-loaded terminals         - at the side       6 mm         Connections/Terminals       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-type terminals         • of magnet coil       Spring-type terminals         • of magnet coil					
upwards10 mm downwards0 mm at the side0 mm at the side0 mm forwards10 mm upwards0 mm at the side6 mm at the side6 mm downwards10 mm downwards10 mm- forwards10 mm- forwards10 mm- downwards10 mm- forwards10 mm- forwards10 mm- upwards10 mm- downwards10 mm- solidspring-loaded terminals- for main current circuitspring-loaded terminals- for main current circuitspring-loaded terminals- for auxiliary and control circuitspring-loaded terminals- for main contractsSpring-type terminals- for main contactsSpring-type terminals- solid2x (1 10 mm²)- solid stranded2x (1 10 mm²)- solid with core end processing2x (1 6 mm²)		40			
- downwards       10 mm         - at the side       0 mm         • for grounded parts       0 mm         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - at the side       6 mm         - downwards       10 mm         - for live parts       -         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connections/ Terminals       10 mm         for auxiliary and control circuit       spring-loaded terminals         s for auxiliary and control circuit       spring-loaded terminals         • for main current circuit       spring-loaded terminals         • of magnet coil       Spring-type terminals         • of magnet coil       Spring-type terminals <td></td> <td></td>					
at the side0 mm• for grounded parts10 mm forwards10 mm upwards10 mm at the side6 mm downwards10 mm downwards10 mm- for ive parts forwards10 mm upwards10 mm upwards10 mm upwards10 mm upwards10 mm at the side6 mmConnections/ Terminals10 mm at the side6 mmtype of electrical connectionspring-loaded terminals• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• of magnet coilSpring-type terminals• of magnet coilSpring-type terminals• of main contacts					
• for grounded parts					
- forwards       10 mm         - upwards       10 mm         - at the side       6 mm         - downwards       10 mm         - downwards       10 mm         - for live parts       -         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       50 mm         Connections/ Terminals       5 pring-loaded terminals         • for main current circuit       spring-loaded terminals         • of magnet coil       Spring-type terminals         • of magnet coil       Spring-type terminals         • of main contacts       -         - solid       2x (1 10 mm²)         - solid or stranded		0 mm			
- upwards       10 mm         - at the side       6 mm         - downwards       10 mm         • for live parts       -         - forwards       10 mm         - upwards       10 mm         - upwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - downwards       10 mm         - at the side       6 mm         Connections/ Terminals         type of electrical connection       6 mm         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       • for main contacts         - solid       2x (1 10 mm²)         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)	-	10			
at the side       6 mm         downwards       10 mm         • for live parts       10 mm         forwards       10 mm         upwards       10 mm         downwards       10 mm         downwards       10 mm         downwards       10 mm         advectors/Terminals       10 mm         Connections/Terminals         type of electrical connection         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       • for main contacts         • solid       2x (1 10 mm²)         - solid       2x (1 10 mm²)         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)					
downwards10 mm• for live parts10 mm forwards10 mm upwards10 mm downwards10 mm downwards6 mm at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminals• for main contacts- solid- solid2x (1 10 mm²)- solid or stranded2x (1 10 mm²)- finely stranded with core end processing2x (1 6 mm²)					
<ul> <li>for live parts         <ul> <li>forwards</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>downwards</li> <li>mm</li> <li>at the side</li> <li>mm</li> <li>at the side</li> <li>mm</li> </ul> </li> <li>Terminals</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> </ul> <li>Spring-loaded terminals</li> <li>of magnet coil</li> <li>Spring-type terminals</li> <li>of main contacts</li> <li>solid</li> <li>ax (1 10 mm²)</li> <li>solid or stranded</li> <li>ax (1 10 mm²)</li> <li>finely stranded with core end processing</li> <li>2x (1 6 mm²)</li>					
forwards10 mm upwards10 mm downwards10 mm at the side6 mmConnections/Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminalstype of connectable conductor cross-sectionsSpring-type terminals• for main contacts- solid- solid2x (1 10 mm²)- solid or stranded2x (1 10 mm²)- finely stranded with core end processing2x (1 6 mm²)		10 mm			
	•				
downwards       10 mm         at the side       6 mm         Connections/ Terminals         type of electrical connection         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections          • for main contacts          solid       2x (1 10 mm²)         solid or stranded       2x (1 10 mm²)         finely stranded with core end processing       2x (1 6 mm²)					
at the side6 mmConnections/ Terminalstype of electrical connection• for main current circuitspring-loaded terminals• for auxiliary and control circuitspring-loaded terminals• at contactor for auxiliary contactsSpring-type terminals• of magnet coilSpring-type terminalstype of connectable conductor cross-sectionsSpring-type terminals• for main contacts- solid- solid or stranded2x (1 10 mm²)- finely stranded with core end processing2x (1 6 mm²)	•				
Connections/ Terminals         type of electrical connection       spring-loaded terminals         for main current circuit       spring-loaded terminals         of or auxiliary and control circuit       spring-loaded terminals         at contactor for auxiliary contacts       Spring-type terminals         of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       For main contacts         - solid       2x (1 10 mm²)         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)					
type of electrical connection       spring-loaded terminals         • for main current circuit       spring-loaded terminals         • for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       spring-type terminals         • for main contacts       - solid         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)		6 mm			
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>at contactor for auxiliary contacts</li> <li>of magnet coil</li> <li>Spring-type terminals</li> <li>of connectable conductor cross-sections</li> <li>for main contacts         <ul> <li>asolid</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li> <li>spring-loaded terminals</li> <li>spring-type te</li></ul>					
• for auxiliary and control circuit       spring-loaded terminals         • at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections       For main contacts         • for main contacts       2x (1 10 mm²)         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)					
• at contactor for auxiliary contacts       Spring-type terminals         • of magnet coil       Spring-type terminals         type of connectable conductor cross-sections          • for main contacts          - solid       2x (1 10 mm²)         - solid or stranded       2x (1 10 mm²)         - finely stranded with core end processing       2x (1 6 mm²)					
• of magnet coil     Spring-type terminals       type of connectable conductor cross-sections        • for main contacts     - solid       - solid     2x (1 10 mm²)       - solid or stranded     2x (1 10 mm²)       - finely stranded with core end processing     2x (1 6 mm²)	-				
type of connectable conductor cross-sections         • for main contacts         — solid       2x (1 10 mm²)         — solid or stranded       2x (1 10 mm²)         — finely stranded with core end processing       2x (1 6 mm²)	-				
<ul> <li>for main contacts</li> <li>— solid</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>2x (1 10 mm<sup>2</sup>)</li> <li>2x (1 6 mm<sup>2</sup>)</li> </ul>		Spring-type terminals			
solid $2x (1 10 mm^2)$ solid or stranded $2x (1 10 mm^2)$ finely stranded with core end processing $2x (1 6 mm^2)$					
— solid or stranded2x (1 10 mm²)— finely stranded with core end processing2x (1 6 mm²)	<ul> <li>for main contacts</li> </ul>				
— finely stranded with core end processing 2x (1 6 mm <sup>2</sup> )	— solid	2x (1 10 mm²)			
	— solid or stranded				
— finely stranded without core end processing 2x (1 6 mm <sup>2</sup> )	<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 6 mm²)			
	<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)			
• at AWG cables for main contacts 2x (18 8)	<ul> <li>at AWG cables for main contacts</li> </ul>	2x (18 8)			
connectable conductor cross-section for main	connectable conductor cross-section for main				

aantaata							
<ul> <li>solid</li> </ul>			4 40				
			1 10 mm <sup>2</sup>				
stranded	with same and processin		1 10 mm <sup>2</sup>				
•	with core end processir	•	1 6 mm <sup>2</sup>				
	without core end proces		1 6 mm²				
contacts	ctor cross-section for a	auxillary					
<ul> <li>solid or strande</li> </ul>			0.5 2.5 mm <sup>2</sup>				
•	with core end processir	•	0.5 1.5 mm²				
	<ul> <li>finely stranded without core end processing</li> </ul>			0.5 2.5 mm <sup>2</sup>			
type of connectable conductor cross-sections							
<ul> <li>for auxiliary cor</li> </ul>	for auxiliary contacts						
— solid or str	anded		2x (0.5 2	2.5 mm²)			
— finely strar	nded with core end proc	essing	2x (0.5 1	.5 mm²)			
— finely strar	nded without core end p	rocessing	2x (0.5 2	2.5 mm²)			
<ul> <li>at AWG cables</li> </ul>	for auxiliary contacts		2x (20 1	4)			
AWG number as coo section	ded connectable cond	uctor cross					
<ul> <li>for main contact</li> </ul>	ts		18 8				
<ul> <li>for auxiliary cor</li> </ul>	ntacts		20 14				
Safety related data							
product function							
•	according to IEC 60947-	4-1	Yes				
	n operation according to		No				
5-1	roperation according to		NO				
B10 value with high d	emand rate according t	o SN 31920	450 000				
proportion of dange	rous failures						
<ul> <li>with low deman</li> </ul>	d rate according to SN	31920	40 %				
<ul> <li>with high demain</li> </ul>	nd rate according to SN	31920	73 %				
	low demand rate accord		100 FIT				
31920							
T1 value for proof test interval or service life according to IEC 61508		20 у					
protection class IP on the front according to IEC 60529		IP20					
touch protection on	the front according to	IEC 60529	finger-safe, for vertical contact from the front				
suitability for use							
<ul> <li>safety-related switching OFF</li> </ul>			Yes				
Certificates/ approval	S						
General Product Ap	proval						
(Ch	<b>Confirmation</b>	(m)		Ē	KC	rnr	
QC		<u>m</u>		<b>W</b>		FAL	
CSA		ccc		UL		6116	
	Functional						
EMC	Safety/Safety of	Declaration of	of Conformit	v	Test Certificates	Marine / Shipping	
	Machinery						
A	Type Examination	UK		~ ~	Type Test Certific-	State and	
<u>/\(\)</u>	Certificate			CE	ates/Test Report		
RCM		CA		EG-Konf.		ABS	
			_				
Marine / Shipping							













other



**Confirmation** 

## Further information

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=3RT2027-2CL24-3MA0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2027-2CL24-3MA0

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2CL24-3MA0

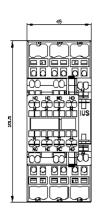
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

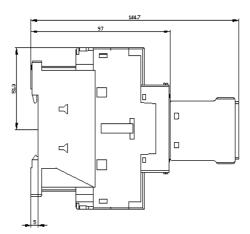
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2027-2CL24-3MA0&lang=en

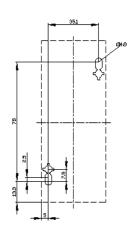
Characteristic: Tripping characteristics, I<sup>2</sup>t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RT2027-2CL24-3MA0/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2027-2CL24-3MA0&objecttype=14&gridview=view1







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