# **SIEMENS**

Data sheet 3RT2015-4AP62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 220 V AC, 50 Hz / 240 V, 60 Hz, auxiliary contacts: 1 NC, ring cable lug connection, size: S00

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	0.6 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.2 W
without load current share typical	4.4 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
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at AC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at AC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	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

3
690 V
690 V
18 A
18 A
40.4
16 A
7 A
6 A
4.9 A
7.071
7 A
6 A
4.9 A
6.5 A
15.8 A
5.8 A
4 A
4 A
3.8 A
3.6 A
2.7 A
2.7 A
2.5 A
2.4 A
2.5 mm <sup>2</sup>
0.0.4
2.6 A
1.8 A
1.8 A
1.8 A 15 A
1.8 A 15 A 15 A
1.8 A 15 A 15 A 1.5 A
1.8 A 15 A 15 A 1.5 A 0.6 A
1.8 A 15 A 1.5 A 0.6 A 0.42 A
1.8 A 15 A 1.5 A 0.6 A 0.42 A
1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A
1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A  16 A  17 A  18 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  15 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  1.5 A
1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.5 A  1.5 A  1.5 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A
1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A
1.8 A  15 A  1.5 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.5 A  1.5 A  1.5 A  1.5 A  1.5 A
1.8 A  15 A  15 A  1.5 A  0.6 A  0.42 A  0.42 A  15 A  15 A  15 A  1.2 A  0.6 A  0.5 A

— at 24 V rated value	15 A		
— at 60 V rated value	0.35 A		
— at 110 V rated value	0.1 A		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	15 A		
— at 60 V rated value	3.5 A		
— at 110 V rated value	0.25 A		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	15 A		
— at 60 V rated value	15 A		
— at 110 V rated value	15 A		
— at 220 V rated value	1.2 A		
— at 440 V rated value	0.14 A		
— at 600 V rated value	0.14 A		
operating power			
at AC-2 at 400 V rated value	3 kW		
• at AC-3			
— at 230 V rated value	1.5 kW		
— at 400 V rated value	3 kW		
— at 500 V rated value	3 kW		
— at 690 V rated value	4 kW		
• at AC-3e			
— at 230 V rated value	1.5 kW		
— at 400 V rated value	3 kW		
— at 500 V rated value	3 kW		
— at 690 V rated value	4 kW		
operating power for approx. 200000 operating cycles at AC-			
4			
• at 400 V rated value	1.15 kW		
at 690 V rated value	1.15 kW		
operating apparent power at AC-6a			
• up to 230 V for current peak value n=20 rated value	1.5 kVA		
• up to 400 V for current peak value n=20 rated value	2.7 kVA		
• up to 500 V for current peak value n=20 rated value	3.3 kVA		
• up to 690 V for current peak value n=20 rated value	4.3 kVA		
operating apparent power at AC-6a			
up to 230 V for current peak value n=30 rated value	1 kVA		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	1.8 kVA		
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	2.2 kVA		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	2.9 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>	120 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	67 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	52 A; Use minimum cross-section acc. to AC-1 rated value		
• limited to 60 s switching at zero current maximum	43 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at AC	10 000 1/h		
operating frequency			
• at AC-1 maximum	1 000 1/h		
• at AC-2 maximum	750 1/h		
• 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	220 V		
at 60 Hz rated value	240 V		
operating range factor control supply voltage rated value of			
magnet coil at AC			

# act 80 Hz					
apparent plok-up power of magnet coil at AC   at 30 Hz   26.4 VA	● at 50 Hz	0.8 1.1			
# # # # # # # # # # # # # # # # # # #	● at 60 Hz	0.8 1.1			
a di Di Hz	apparent pick-up power of magnet coil at AC				
inductive power factor with closing power of the coil  a it 50 Hz  a) 160 Hz	● at 50 Hz	26.4 VA			
* a160 Hz	● at 60 Hz	26.4 VA			
### ### ##############################	inductive power factor with closing power of the coil				
apparent holding power of magnet coil at AC	● at 50 Hz	0.81			
### ### #### #########################	● at 60 Hz	0.81			
miductive power factor with the holding power of the coil	apparent holding power of magnet coil at AC				
Inductive power factor with the holding power of the coil	● at 50 Hz	4.4 VA			
• at 60 Hz	● at 60 Hz	4.4 VA			
• al 60 Hz	inductive power factor with the holding power of the coil				
A AC   9 35 ms	● at 50 Hz	0.24			
• at AC opening delay • at IAC arching time 1015 ms control version of the switch operating mechanism Standard A1 - A2  Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact contact operational current at AC-15 maximum 10 A operational current at AC-18 maximum 10 A operational current at AC-19 maximum 10 A operational current at DC-12 • at 240 V rated value • at 80 V rated value • at 80 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 126 V rated value • at 126 V rated value • at 127 V rated value • at 128 V rated value • at 128 V rated value • at 129 V rated value • at 120 V ra	● at 60 Hz	0.24			
opening delay	closing delay				
* at AC	• at AC	9 35 ms			
arcing time	opening delay				
Control version of the switch operating mechanism   Standard A1 - A2	• at AC				
Auxiliary circuit number of NC contacts for auxiliary contacts instantaneous contact operational current at AC-12 maximum  operational current at AC-15  • af 330 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 60 V rated value • at 125 V rated value • at 125 V rated value • at 125 V rated value • at 220 V rated value • at 48 V rated value • at 60 V r					
number of NC contacts for auxiliary contacts instantaneous		Standard A1 - A2			
Departational current at AC-12 maximum   10 A					
Departional current at AC-15		1			
at 230 V rated value	operational current at AC-12 maximum	10 A			
	operational current at AC-15				
	• at 230 V rated value	10 A			
• 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 160 V rated value • at 170 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 48 V rated value • at 110 V rated value • at 125 V rated value • at 1600 V rated value • at 1600 V rated value • at 220 V rated value • at 600 V rated value • at 575 foo V rated value • at 575 foo V rated value • for 3-phase AC motor — at 200/208 V rated value • at 575 foo V rated value • at 575 foo V rated value • at 575 foo V rated value • at 600 V fated value • at 575 foo V rated value • 5 fbp contact rating of auxiliary contacts according to UL	• at 400 V rated value	3 A			
at 24 V rated value	• at 500 V rated value	2 A			
	at 690 V rated value	1 A			
* at 48 V rated value	operational current at DC-12				
	• at 24 V rated value	10 A			
** at 110 V rated value	• at 48 V rated value	6 A			
	• at 60 V rated value	6 A			
	• at 110 V rated value	3 A			
• at 600 V rated value 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 11 A • at 125 V rated value 0.9 A • at 220 V rated value 0.3 A • at 600 V rated value 0.3 A • at 600 V rated value 0.1 A  contact reliability of auxiliary contacts 1 reliability of auxiliary contacts 2 reliability of auxiliary contacts 2 reliability of auxiliary contacts 3 reliability of auxiliary contacts 4.8 A • at 600 V rated value 4.8 A • at 600 V rated value 6.1 A  yielded mechanical performance [hp] • for single-phase AC motor	• at 125 V rated value	2 A			
operational current at DC-13	• at 220 V rated value	1 A			
<ul> <li>at 24 V rated value</li> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 200 V rated value</li> <li>at 600 V rated value</li> <li>o.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>for 3-phase AC motor</li> <li>at 5 hp</li> <li>at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> </ul>	at 600 V rated value	0.15 A			
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> <li>at 110 V rated value</li> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 200 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 70 Fb phase AC motor</li> <li>at 101/120 V rated value</li> <li>at 230 V rated value</li> <li>at 230 V rated value</li> <li>o.75 hp</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>- at 250/400 V rated value</li> <li>- at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul>	operational current at DC-13				
■ at 110 V rated value     ■ at 125 V rated value     ■ at 125 V rated value     ■ at 220 V rated value     ■ at 220 V rated value     ■ at 600 V rated value     ■ at 480 V rated value     ■ at 480 V rated value     ■ at 600 V rated value     ■ at 110/120 V rated value     ■ at 110/120 V rated value     ■ at 230 V rated value     ■ at 230 V rated value     ■ for 3-phase AC motor     ■ at 230 V rated value     ■ for 3-phase AC motor     ■ at 200/208 V rated value     ■ at 200/208 V rated value     ■ at 575/600 V rated value     ■ at 460/480 V rated value     ■ at 575/600 V rated value     ■ at 600 / Q600	• at 24 V rated value	10 A			
<ul> <li>at 110 V rated value</li> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 480 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>75 hp</li> </ul> </li> <li>for 3-phase AC motor</li> <li>at 230 V rated value</li> <li>0.25 hp</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>for 3-phase AC motor</li> </ul> <li>at 200/208 V rated value</li> <li>1.5 hp</li> <li>at 200/208 V rated value</li> <li>2 hp</li> <li>at 460/480 V rated value</li> <li>3 hp</li> <li>at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li>	• at 48 V rated value	2 A			
<ul> <li>at 125 V rated value</li> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>for single-phase AC motor</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 220/230 V rated value</li> <li>1.5 hp</li> <li>at 200/208 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>5 hp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> <li>A600 / Q600</li> </ul>	• at 60 V rated value	2 A			
<ul> <li>at 220 V rated value</li> <li>at 600 V rated value</li> <li>0.1 A</li> <li>contact reliability of auxiliary contacts</li> <li>1 faulty switching per 100 million (17 V, 1 mA)</li> <li>UL/CSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor         <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>at 110/120 V rated value</li> <li>o.25 hp</li> <li>at 230 V rated value</li> <li>o.75 hp</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>1.5 hp</li> <li>at 200/208 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>5 hp</li> </ul> </li> <li>contact rating of auxiliary contacts according to UL</li> </ul>	• at 110 V rated value	1 A			
at 600 V rated value  contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  at 600 V rated value  for single-phase AC motor  at 110/120 V rated value  at 230 V rated value  for 3-phase AC motor  at 200/208 V rated value  at 200/208 V rated value  at 200/208 V rated value  at 240/480 V rated value  at 460/480 V rated value  at 575/600 V rated value  at 575/600 V rated value  5 hp  contact rating of auxiliary contacts according to UL  at 460/460 V auxiliary contacts according to UL  at 460/460 V auxiliary contacts according to UL  at 460/460 V auxiliary contacts according to UL	• at 125 V rated value	0.9 A			
contact reliability of auxiliary contacts  1 faulty switching per 100 million (17 V, 1 mA)  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  1.5 hp  — at 220/230 V rated value  — at 460/480 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  5 hp  contact rating of auxiliary contacts according to UL  A600 / Q600	• at 220 V rated value	0.3 A			
### Full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	at 600 V rated value	0.1 A			
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • for single-phase AC motor  — at 110/120 V rated value  • for 3-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  4.8 A  4.8 A  4.8 A  6.1 A  9  6.1 A  1.5 hp  1.5 hp  2.75 hp  4.8 A  6.1 A	contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)			
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 200/230 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> </ul>	UL/CSA ratings				
■ at 600 V rated value  yielded mechanical performance [hp]      ● for single-phase AC motor      — at 110/120 V rated value     — at 230 V rated value     ● for 3-phase AC motor      — at 200/208 V rated value     1.5 hp      — at 220/230 V rated value     2 hp      — at 460/480 V rated value     3 hp      — at 575/600 V rated value  contact rating of auxiliary contacts according to UL      6.1 A  6.1 A  6.2 A  6.3 A  6.4 A  6.5 A  6.7 A  6.7 A  6.7 A  6.8 A  6.9 A  6.9 A  6.9 A  6.1 A  6.2 A  6.2 A  6.3 A  6.4 A  6.5 A  6.5 A  6.6 A  6.7 A  6.7 A  6.8 A  6.9 A	full-load current (FLA) for 3-phase AC motor				
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value 0.25 hp  — at 230 V rated value 0.75 hp  • for 3-phase AC motor  — at 200/208 V rated value 1.5 hp  — at 220/230 V rated value 2 hp  — at 460/480 V rated value 3 hp  — at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL A600 / Q600	• at 480 V rated value	4.8 A			
<ul> <li>for single-phase AC motor</li> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>• for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>0.25 hp</li> <li>1.5 hp</li> <li>2 hp</li> <li>3 hp</li> <li>4600 / Q600</li> </ul>	at 600 V rated value	6.1 A			
<ul> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> <li>● for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>0.25 hp</li> <li>1.5 hp</li> <li>2 hp</li> <li>3 hp</li> <li>6 hp</li> </ul>	yielded mechanical performance [hp]				
<ul> <li>— at 230 V rated value</li> <li>● for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>— at 460/480 V rated value</li> <li>— at 575/600 V rated value</li> <li>5 hp</li> <li>contact rating of auxiliary contacts according to UL</li> <li>0.75 hp</li> <li>1.5 hp</li> <li>2 hp</li> <li>3 hp</li> <li>6 hp</li> <li>600 / Q600</li> </ul>	• for single-phase AC motor				
● for 3-phase AC motor  — at 200/208 V rated value 1.5 hp  — at 220/230 V rated value 2 hp  — at 460/480 V rated value 3 hp  — at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL A600 / Q600	— at 110/120 V rated value	0.25 hp			
— at 200/208 V rated value       1.5 hp         — at 220/230 V rated value       2 hp         — at 460/480 V rated value       3 hp         — at 575/600 V rated value       5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600	— at 230 V rated value	0.75 hp			
— at 220/230 V rated value       2 hp         — at 460/480 V rated value       3 hp         — at 575/600 V rated value       5 hp         contact rating of auxiliary contacts according to UL       A600 / Q600	• for 3-phase AC motor				
- at 460/480 V rated value 3 hp - at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL A600 / Q600	— at 200/208 V rated value	1.5 hp			
— at 575/600 V rated value 5 hp  contact rating of auxiliary contacts according to UL A600 / Q600	— at 220/230 V rated value	2 hp			
contact rating of auxiliary contacts according to UL A600 / Q600	— at 460/480 V rated value	3 hp			
	— at 575/600 V rated value	·			
Short-circuit protection		A600 / Q600			
	Short-circuit protection				

design of the fuse link			
<ul> <li>for short-circuit protection of the main circuit</li> </ul>			
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)		
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)		
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)		
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 snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
• side-by-side mounting	Yes		
height	58 mm		
width	45 mm		
depth	73 mm		
required spacing			
<ul> <li>with side-by-side mounting</li> </ul>			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	0 mm		
for grounded parts			
— forwards	10 mm		
— upwards	10 mm		
— at the side	6 mm		
— downwards	10 mm		
for live parts			
— forwards	10 mm		
— upwards	10 mm		
— downwards	10 mm		
— at the side	6 mm		
Connections/ Terminals			
type of electrical connection			
for main current circuit	Ring cable lug connection		
<ul> <li>for auxiliary and control circuit</li> </ul>	ring terminal lug connection		
at contactor for auxiliary contacts	Ring cable lug connection		
of magnet coil	Ring cable lug connection		
Safety related data			
product function			
<ul> <li>mirror contact according to IEC 60947-4-1</li> </ul>	Yes		
B10 value with high demand rate according to SN 31920	1 000 000		
proportion of dangerous failures			
with low demand rate according to SN 31920	40 %		
with high demand rate according to SN 31920	73 %		
failure rate [FIT] with low demand rate according to SN 31920	100 FIT		
T1 value for proof test interval or service life according to IEC 61508	20 a		
protection class IP on the front according to IEC 60529	IP00		
suitability for use			
safety-related switching OFF	Yes		
Certificates/ approvals			
General Product Approval			

#### General Product Approva





Confirmation



KC



Functional Safety/Safety of Machinery Declar	ation of Conformity	Test Certificates
--	---------------------	-------------------



#### Type Examination Cer**tificate**





#### Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping





Confirmation









Marine / Shipping

Confirmation

Vibration and Shock

Railway

Environmental Con**firmations** 

**Environment** 

### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

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=3RT2015-4AP62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-4AP62

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AP6

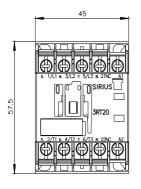
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

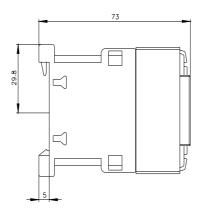
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2015-4AP62&lang=en

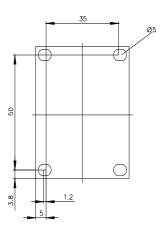
Characteristic: Tripping characteristics, I2t, Let-through current

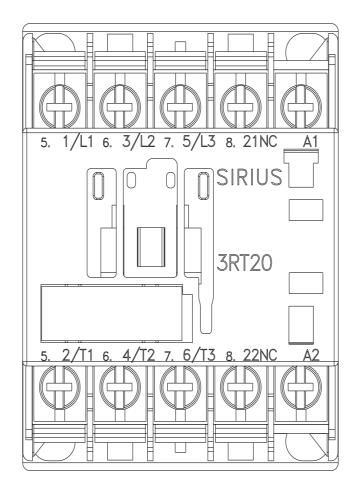
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AP62/char

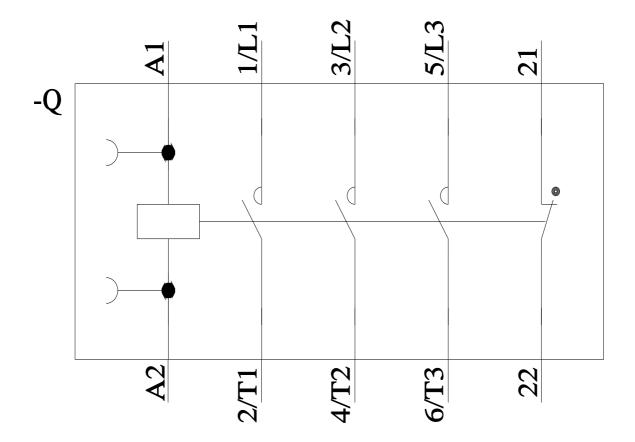
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-4AP62&objecttype=14&gridview=view1











last modified: 2/10/2023 🖸