SIEMENS

Data sheet 3RT2015-1AV62



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NC, 480 V AC, 60 Hz 3-pole, Size S00 screw terminal

product brand name	SIRIUS
product designation	Power contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	0.6 W
 at AC in hot operating state per pole 	0.2 W
without load current share typical	4.8 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	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	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 (switching cycles)	
 of contactor typical 	30 000 000
 of the contactor with added electronically optimized auxiliary switch block typical 	5 000 000
of the contactor with added auxiliary switch block typical	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	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	
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated value	18 A
• at AC-1	
— up to 690 V at ambient temperature 40 $^{\circ}\text{C}$ rated value	18 A
— up to 690 V at ambient temperature 60 °C rated value	16 A
• at AC-3	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-3e	
— at 400 V rated value	7 A
— at 500 V rated value	6 A
— at 690 V rated value	4.9 A
• at AC-4 at 400 V rated value	6.5 A
at AC-5a up to 690 V rated value	15.8 A
at AC-5b up to 400 V rated value	5.8 A
• at AC-6a	0.071
up to 230 V for current peak value n=20 rated value	4 A
— up to 400 V for current peak value n=20 rated value	4 A
 up to 500 V for current peak value n=20 rated value 	3.8 A
— up to 690 V for current peak value n=20 rated value	3.6 A
 at AC-6a up to 230 V for current peak value n=30 rated value 	2.7 A
— up to 400 V for current peak value n=30 rated value	2.7 A
 up to 500 V for current peak value n=30 rated value 	2.5 A
— up to 690 V for current peak value n=30 rated value	2.4 A
minimum cross-section in main circuit at maximum AC-1 rated value operational current for approx. 200000 operating	2.5 mm ²
cycles at AC-4	
at 400 V rated value	2.6 A
at 690 V rated value	1.8 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	15 A
— at 110 V rated value	1.5 A
— at 220 V rated value	0.6 A
— at 440 V rated value	0.42 A
— at 600 V rated value	0.42 A
with 2 current paths in series at DC-1	0.127
— at 24 V rated value	15 A
— at 24 V rated value — at 110 V rated value	8.4 A
	1.2 A
— at 220 V rated value	
— at 440 V rated value	0.6 A
— at 600 V rated value	0.5 A
with 3 current paths in series at DC-1	

10414	45.4
— at 24 V rated value	15 A
— at 110 V rated value	15 A
— at 220 V rated value	15 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.7 A
 at 1 current path at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 110 V rated value	0.1 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 110 V rated value	0.25 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 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
 up to 400 V for current peak value n=30 rated value 	1.8 kVA
• up to 500 V for current peak value n=30 rated value	2.2 kVA
• up to 690 V for current peak value n=30 rated value	2.9 kVA
short-time withstand current in cold operating state	
up to 40 °C	
 limited to 1 s switching at zero current maximum 	120 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 5 s switching at zero current maximum 	86 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 10 s switching at zero current maximum 	67 A; Use minimum cross-section acc. to AC-1 rated value
 limited to 30 s switching at zero current maximum 	52 A; Use minimum cross-section acc. to AC-1 rated value
Iimited 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		_
		400 \
value of magnet coil at AC at 80 Hz and both ze 0.85 1.1 apparent pick-up power of magnet coil at AC at 80 Hz at 00 Hz 0.81 at 00 Hz 0.81 at 00 Hz 4.80 NA at 00 Hz 0.25 closing delay 0.35 ms at AC 9 35 ms opening delay 10 15 ms at AC 7 13 ms arcing time 10 15 ms control version of the switch operating mechanism 10 15 ms control version of NC contacts for survillary contacts 1 standardaneous contact operational current at AC-15 10 15 ms at 230 V rated value 10.A at 230 V rated value 10.A at 230 V rated value 10.A at 350 V rated value 10.A at 24 V rated value 10.A at 25 V rated value 10.A at 26 V rated value 10.A		480 V
# at 80 Hz	_	0.85 1.1
• at 80 Hz		0.00 1.1
Inductive power factor with closing power of the coil a 160 Hz a 160 H		21.7.\/\
### ### ### ### ### ### ### ### ### ##		31.7 VA
space Act Ac		0.04
a 16 0 Hz		0.01
Inductive power factor with the holding power of the coll		40.1/4
coil a 16 OHz 0.25 closing delay 9 35 ms opening delay 7 13 ms a ricing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 15 ms number of NC contacts for auxiliary contlacts instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-18 maximum 10 A operational current at AC-19 maximum 20 A a 1 500 V rated value 3 A a 1 600 V rated value 1 A a 1 600 V rated value 1 A a 1 4 80 V rated value 6 A a 1 10 V rated value 6 A a 1 10 V rated value 1 A a 1 220 V rated value 1 A a 1 220 V rated value 1 A a 1 24 V rated value 1 A a 1 24 V rated value 1 A a 1 25 V rated value 1 A a 1 26 V rated value 1 A a 1 26 V rated value 1 A a 1 20 V rated value 1 A		4.0 VA
• at 80 Hz closing delay		
Second		0.25
Second		
Second		9 35 ms
act AC 7 13 ms		5 60 His
arcing time		7 13 ms
Control version of the switch operating mechanism Standard A1 - A2		
Auxillary circuit number of NC contacts for auxillary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 • at 230 V rated value • at 400 V rated value • at 650 V rated value • at 60 V rated value • at 220 V rated value • at 220 V rated value • at 220 V rated value • at 60 V rated	-	
Number of NC contacts for auxillary contacts Instantaneous contact Insta	<u> </u>	Otanidalu A I - AZ
instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 o at 230 V rated value 10 A 3 A o at 400 V rated value 2 A o at 400 V rated value 1 A operational current at DC-12 o at 24 V rated value 6 A o at 450 V rated value 0 A o at 450 V rate		
Operational current at AC-15 • at 230 V rated value		1
	operational current at AC-12 maximum	10 A
	operational current at AC-15	
• at 500 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 48 V rated value 6 A • at 10 V rated value 3 A • at 125 V rated value 2 A • at 220 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 2 A • at 24 V rated value 2 A • at 60 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 110 V rated value 0.9 A • at 220 V rated value 0.9 A • at 220 V rated value 0.1 A • at 600 V rated value 0.1 A • at 800 V rated value 6.1 A • at 800 V rated value 6.1 A • at 200 V rated value 6.1 A • at 230 V rated value 0.25 hp	at 230 V rated value	10 A
• at 690 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 48 V rated value 6 A • at 60 V rated value 3 A • at 110 V rated value 2 A • at 220 V rated value 1 A • at 220 V rated value 0.15 A operational current at DC-13 10 A • at 24 V rated value 2 A • at 48 V rated value 2 A • at 60 V rated value 2 A • at 110 V rated value 2 A • at 125 V rated value 0.9 A • at 220 V rated value 0.1 A • at 250 V rated value 0.1 A • at 800 V rated value 0.1 A • at 800 V rated value 0.1 A • at 480 V rated value 6.1 A • at 480 V rated value 6.1 A • at 480 V rated value 6.1 A • at 300 V rated value 6.1 A • at 480 V rated value 6.1 A • at 300 V rated value 0.25 hp • at 200 V rated value 0.75 hp <	at 400 V rated value	3 A
Name	at 500 V rated value	2 A
at 24 V rated value at 48 V rated value at 16 0 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 60 0 V rated value at 48 V rated value at 48 V rated value at 48 V rated value at 10 V rated value at 10 V rated value at 110 V rated value at 110 V rated value at 122 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 200 V rated value at 200 V rated value at 300 V rated value at 200 V rated value at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value 5 bp	at 690 V rated value	1 A
• at 48 V rated value	operational current at DC-12	
 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 600 V rated value at 600 V rated value o.15 A Operational current at DC-13 at 24 V rated value at 48 V rated value at 60 V rated value at 10 A at 48 V rated value at 10 V rated value at 110 V rated value at 125 V rated value at 125 V rated value at 200 V rated value at 200 V rated value at 600 V rated value at 480 V rated value at 200 V rated value at 460 V rated value at 575/600 V rated value bp 	at 24 V rated value	10 A
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 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 60 V rated value at 60 V rated value at 250 V rated value at 60 V rated value at 22 V rated value at 48 V rated value at 48 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V r	at 48 V rated value	6 A
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 60 V rated value at 110 V rated value at 110 V rated value at 125 V rated value at 220 V rated value at 220 V rated value at 60 V rated value at 60 V rated value at 250 V rated value at 60 V rated value at 22 V rated value at 48 V rated value at 48 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V rated value at 25 V r	at 60 V rated value	6 A
e at 125 V rated value e at 220 V rated value 1 A 0.15 A operational current at DC-13 e at 24 V rated value 10 A e at 48 V rated value 2 A e at 600 V rated value 2 A e at 60 V rated value 2 A e at 110 V rated value 2 A e at 110 V rated value 3 A e at 125 V rated value 9 A e at 125 V rated value 9 A e at 100 V rated value 9 A e at 220 V rated value 9 A e at 200 V rated value 1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) JL/CSA ratings full-load current (FLA) for 3-phase AC motor e at 480 V rated value 4 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 600 V rated value 9 A 8 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value 9 A 9 A e at 220 V rated value	at 110 V rated value	3 A
at 220 V rated value at 600 V rated value one at 24 V rated value at 24 V rated value at 24 V rated value at 48 V rated value at 60 V rated value at 10 V rated value at 10 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 125 V rated value at 220 V rated value at 220 V rated value at 600 V rated value at 200 V rated value at 300 V rated value at 200 V rated value at 575/600 V rated value at 575/600 V rated value at 575/600 V rated value 5 bp		
• at 600 V rated value operational current at DC-13 • at 24 V rated value • at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 120 V rated value • at 220 V rated value • at 600 V rated value • at 480 V rated value • at 480 V rated value • at 480 V rated value • at 200 V rated value • for 3-phase AC motor • at 200 V rated value • for 3-phase AC motor • at 200 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 250/208 V rated value • for 3-phase AC motor • at 250/208 V rated value • for 3-phase AC motor • at 250/208 V rated value • for 3-phase AC motor • at 250/208 V rated value • for 3-phase AC motor • at 250/208 V rated value • for 3-phase AC motor		
e at 24 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 1125 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 220 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 200/28 V rated value • at 220/230 V rated value - at 220/230 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 460/480 V rated value - at 575/600 V rated value - at 575/600 V rated value - at 575/600 V rated value - 5 hp		
• at 48 V rated value • at 60 V rated value • at 110 V rated value • at 110 V rated value • at 125 V rated value • at 220 V rated value • at 220 V rated value • at 600 V rated value • at 600 V rated value • at 480 V rated value • at 480 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 • for 3-phase AC motor • at 200/208 V rated value • for 3-phase AC motor • at 200/208 V rated value • at 220/230 V rated value • at 600/480 V rated value • 5 hp • at 460/480 V rated value • 5 hp	•	10 A
 at 60 V rated value at 110 V rated value at 1125 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 600 V rated value at 600 V rated value at 110/120 V rated value at 230 V rated value at 230 V rated value at 220/230 V rated value at 220/230 V rated value at 220/230 V rated value at 460/480 V rated value at 575/600 V rated value 5 hp 		
 at 110 V rated value at 125 V rated value at 220 V rated value at 600 V rated value at 480 V rated value at 600 V rated value at 600 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 at 220/230 V rated value at 200/208 V rated value at 460/480 V rated value at 575/600 V rated value 5 hp 		
 at 125 V rated value at 220 V rated value at 600 V rated value 1 faulty switching per 100 million (17 V, 1 mA) 3 JL/CSA ratings 4.8 A at 600 V rated value 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 230 V rated value for 3-phase AC motor at 220/220 V rated value for 3-phase AC motor at 200/208 V rated value at 200/208 V rated value at 260/480 V rated value at 460/480 V rated value at 575/600 V rated value 5 hp 		
 at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) JL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 6.1 A 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 reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) JL/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 — 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		
### SUL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value		
full-load current (FLA) for 3-phase AC motor 4.8 A ● at 480 V rated value 6.1 A vielded 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 — at 220/230 V rated value 1.5 hp — at 460/480 V rated value 2 hp — at 575/600 V rated value 5 hp		riddity switching per 100 million (17 V, 1 ma)
 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 220/230 V rated value at 460/480 V rated value at 575/600 V rated value bp 	-	
● at 600 V rated value 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		40.4
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		
 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 220/230 V rated value at 460/480 V rated value at 575/600 V rated value for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor 3 hp for 3-phase AC motor at 200/208 V rated value for 3-phase AC motor for 3-phase AC motor for 3-phase AC motor for 3-phase AC motor for 4-phase AC motor for 5-phase AC motor for 5-phase AC motor for 5-phase AC motor for 5-phase AC motor for 6-phase AC motor for 7-phase AC motor for 8-phase AC motor for 8-phas		0.1 A
 — at 110/120 V rated value — 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 5 hp 		
 — 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 5 hp 		
● 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 5 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		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	•	
— at 460/480 V rated value 3 hp — at 575/600 V rated value 5 hp	— at 200/208 V rated value	1.5 hp
— at 575/600 V rated value 5 hp	— at 220/230 V rated value	2 hp
	— at 460/480 V rated value	3 hp
contact rating of auxiliary contacts according to III A600 / O600	— at 575/600 V rated value	5 hp
7000 / Q000	contact rating of auxiliary contacts according to UL	A600 / Q600

Short-circuit protection	
design of the fuse link	
for short-circuit protection of the main circuit	
with type of coordination 1 required	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
— with type of assignment 2 required	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
 for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 1 kA)
nstallation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted
moduling position	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	58 mm
width	45 mm
depth	73 mm
required spacing	
 with side-by-side mounting 	
— 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
	10 111111
• for live parts	40 mm
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	screw-type terminals
 for auxiliary and control circuit 	screw-type terminals
 at contactor for auxiliary contacts 	Screw-type terminals
of magnet coil	Screw-type terminals
type of connectable conductor cross-sections	
for main contacts	
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
— solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
at AWG cables for main contacts	2x (20 16), 2x (18 14), 2x 12
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	
	0.5 4 mm²
 solid or stranded 	
solid or strandedfinely stranded with core end processing	0.5 2.5 mm²
finely stranded with core end processing	0.5 2.5 mm ²
• finely stranded with core end processing type of connectable conductor cross-sections	0.5 2.5 mm²
• finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts	
finely stranded with core end processing type of connectable conductor cross-sections for auxiliary contacts — solid or stranded	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²
• finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts	

 for main contacts 	20 12
 for auxiliary contacts 	20 12
Safety related data	
product function	
mirror contact according to IEC 60947-4-1	Yes; with 3RH29
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 y
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	
 safety-related switching OFF 	Yes
Certificates/ approvals	

Dertificates/ approvais

General Product Approval



Confirmation





<u>KC</u>



Functional
Safety/Safety of Declaration of Conformity
Machinery

Test Certificates



Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

Marine / Shipping













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=3RT2015-1AV62

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-1AV62

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

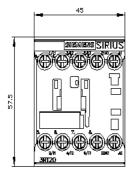
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AV62

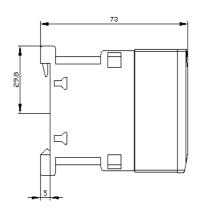
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

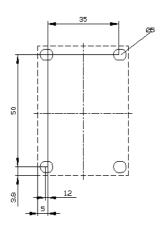
 $\underline{\text{http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-1AV62\&lang=endown}}$

Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-1AV62/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-1AV62&objecttype=14&gridview=view1







6/2/2022 last modified: