SIEMENS

Data sheet

3RT2015-4AG62



Power contactor, AC-3 7 A, 3 kW / 400 V 1 NC, 100 V AC, 50 Hz 100-110 V, 60 Hz, 3-pole, Size S00, ring cable lug connection

product brand name	SIRIUS		
product designation	Power contactor		
product type designation	3RT2		
General technical data	0.112		
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 	690 V		
value			
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 °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	
 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	2.5 mm ²
operational current for approx. 200000 operating 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	15 A
— at 24 V rated value	15 A
— at 110 V rated value	8.4 A
— at 220 V rated value	1.2 A
— 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 	

— 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-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
Imited 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
Imited 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	
control supply voltage at AO	

• at 60 Hz meta value 100 V operating range factor control supply voltage rated value of range tool at AC 0.8. 1.1 • at 60 Hz 0.8. 1.1 apparent pick-top power of magnet coll at AC 0.8. 1.1 • at 60 Hz 0.8. 1.1 apparent pick-top power of magnet coll at AC 0.8. 1.1 • at 60 Hz 0.81 • at 60 Hz 0.81 • at 60 Hz 0.81 apparent holding power of the coll 0.81 • at 60 Hz 0.24 • at 60 Hz 0.15 ms • at 60 Hz 0.24 • at 60 Hz 0.15 ms • at 60 Hz 0.15 ms • at 60 Hz 0.15 ms • at 60 Hz 10 A • at 60 Hz 10 A • at 60 Hz 10 A •		
operating range factor control supply voltage rated value of rangent coil at AC 0.81.1 • at 60 hz 0.81.1 • at 60 hz 0.81.1 eparemt pick-tup power of magnet coil at AC 26.4.VA • at 60 hz 0.81.1 et 60 hz 0.81.1 if 60 hz 0.81 • at 60 hz 0.24 • at 60 hz 0.24 • at 60 hz 0.24 • at 60 hz 0.25 closing delay 0		
value of magnet coll at AC • at 80 hz of 80 hz • at		110 V
• at 60 Fz 0 8 1.1 apparent pick-up power of magnet coil at AC 0.85 1.1 • at 60 Fz 26.4 VA • at 60 Fz 0.81 • at 60 Fz 0.25 • closing delay 0 15 ms • at AC 9 35 ms • at AC 7 13 ms • at AC 10.A • at 30.V rade value <td>operating range factor control supply voltage rated</td> <td></td>	operating range factor control supply voltage rated	
• • • • • • • • • • • • • • • • • • •	-	0.0 1.1
apparent plck-up power of magnet coil at AC 26 4 VA at 50 Hz 31.7 VA Inductive power factor with closing power of the coil 0.81 at 50 Hz 0.81 at 50 Hz 0.81 at 50 Hz 4.8 VA at 50 Hz 4.8 VA inductive power factor with the holding power of the coil 0.81 at 50 Hz 4.8 VA inductive power factor with the holding power of the coil 0.24 at 60 Hz 0.25 closing delay 935 ms at AC 935 ms opening delay 1015 ms at AC 713 ms arcing time 1015 ms control version of the switch operating mechanism 10A operational current at AC-12 maximum 10		
et 45 0 Hz 26.4 VA inductive power factor with closing power of the coll 081 at 60 Hz 081 apparent holding power of magnet coll at AC 44.4 VA et 60 Hz 081 apparent holding power of magnet coll at AC 44.4 VA et 60 Hz 081 apparent holding power of magnet coll at AC 44.8 VA influctive power factor with the holding power of the coll 024 et 80 Hz 0.24 et 80 Hz 0.25 closing delay 0.24 et 80 Hz 0.25 closing filme 1015 ms control version of the switch operating mechanism 1015 ms furtilistry circent 10.4 operational current at AC-15 1 et 300 V rated value 10.A opparational current at AC-15 1 et 300 V rated value 2.A et 300 V rated value 2.A et 300 V rated value 2.A et 300 V rated value 3.A		0.85 1.1
• at 60 H2 31.7 VA inductive power factor with closing power of the coll 0.81 • at 60 H2 0.81 • at 60 H2 0.81 • at 60 H2 44 VA • at 60 H2 44 VA • at 60 H2 0.81 • at 60 H2 44 VA • at 60 H2 0.24 • at 60 H2 0.24 • at 60 H2 0.24 • at 60 H2 0.25 • coll 0.25 • at 60 H2 0.24 • at 60 H2 0.25 • at 60 H2 0.26 • at 70 H2 0.24 • at 70 H2 1 operational current at AC-15 1 • at 200 V rated value 10 A • at 200 V rated value 2 A • at 200 V rated value 10 A • at 800 V rated value 1 A • at 800 V r		22.434
Inductive power factor with closing power of the coll 0.81 • at 50 Hz 0.81 • at 50 Hz 0.81 • at 50 Hz 4.4 VA • at 50 Hz 4.8 VA • at 50 Hz 4.8 VA • at 50 Hz 4.8 VA • at 50 Hz 0.24 • at 60 Hz 0.25 closing delay 0.24 • at AC 9 35 ms • at AC 7 13 ms accing time 10 15 ms control version of the switch operating mechanism 10.4 operational current at AC-15 10.4 • at 300 V rated value 10.4 operational current at AC-15 10.4 • at 300 V rated value 10.4 operational current at AC-12 10.4 • at 300 V rated value 1A operational current at AC-12 10.4 • at 400 V rated value 1A operational current at AC-12 10.4 • at 300 V rated value 1A operational current at DC-12 10.4 • at 300 V rated value 1A • at 300 V rated value 1A • at 300 V rated value		
• at 50 Hz 081 • at 50 Hz 081 • at 50 Hz 081 • at 50 Hz 44 VA • at 50 Hz 48 VA Inductive power factor with the holding power of the coll 024 • at 50 Hz 025 closing delay 935 ms • at 60 Hz 025 closing delay 935 ms • at AC 713 ms • at AC 713 ms • at AC 713 ms • at AC 1 • opening delay 1 • at AC 713 ms • at AC 1 • opening delay 1 • at AC 713 ms • at AC 713 ms • at AC 713 ms • at AC 1 • operational current at AC-12 maxinum 10 A • operational current at AC-15 1 • at 200 V rated value 1A		31.7 VA
• at 60 Hz 0.81 apparent holding power of magnet coll at AC 4.4 VA • at 30 Hz 4.8 VA inductive power factor with the holding power of the coll 0.24 • at 60 Hz 0.24 • at 60 Hz 0.25 closing delay 0.24 • at 60 Hz 0.26 closing delay 0.25 closing delay 0.15 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 11 Auxiliary dent 1 instantencosic context 1 operational current at AC-12 maximum 10 A operational current at AC-12 maximum 10 A operational current at AC-12 1 operational current at AC-12 1 operational current at AC-12 A • at 600 V rated value 2 A • at 600 V rated value 6 A • at 600 V rated value 15 A		
apparent holding power of magnet coll at AC 4.4 VA • at 50 H2 4.4 VA • at 50 H2 4.8 VA Inductive power factor with the holding power of the coll 0.24 • at 60 H2 0.25 closing delay 0.25 • at AC 9 35 ms • opening delay 10 15 ms • at AC 7 13 ms • at AC 7 13 ms • at AC 10 15 ms Control version of the switch operating mechanism Marking circuit number of NC contocts for suxillary contacts 1 operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 300 V rated value 2 A • at 600 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 2 A • at 600 V rated value 1 A • at 200 V rated value 1 A <td></td> <td></td>		
a it 50 Hz 44 VA a it 60 Hz 48 VA Inductive power factor with the holding power of the coll 024 a it 60 Hz 0.25 Colsing dolay 0.25 • at AC 9 35 ms opening delay 0.15 ms • at AC 7 13 ms arcing time 10 15 ms control version of the switch operating mechanism 10 15 ms control version of the switch operating mechanism 1 instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-156 1 • at 200 V rated value 1A operational current at DC-12 1A • at 400 V rated value 1A operational current at DC-12 1A • at 400 V rated value 1A operational current at DC-12 0A • at 400 V rated value 1A • at 220 V rated value 1A operational current at DC-12 1A • at 220 V rated value 1A <td< td=""><td></td><td>0.81</td></td<>		0.81
• at 60 Hz 4.8 VA inductive power factor with the holding power of the coll 0.24 • at 60 Hz 0.25 closing delay 9 35 ms • at AC 7 13 ms • at Contol version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 10 15 ms operational current at AC-15 1 • at 230 V rated value 10 A • at 240 V rated value 3 A • at 300 V rated value 1 A • at 600 V rated value 1 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 1 A		
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coli 0.24 • at 60 Hz 0.25 closing delay 0.25 • at AC 935 ms pening delay 013 ms • at AC 1015 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary directat 1 number of NC contacts for auxiliary contacts 1 instantaneous contact 0.4 operational current at AC-12 maximum 10 A • at 400 V rated value 3 A • at 500 V rated value 1 A operational current at AC-12 maximum 10 A • at 600 V rated value 5 A • at 80 V rated value 5 A • at 80 V rated value 1 A		4.8 VA
• at 50 Hz 0.24 • at 60 Hz 0.25 closing delay 935 ms • at AC 713 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1015 ms number of NC contacts for auxillary contacts 1 nistantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 1 • at 230 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 2 A • at 600 V rated value 6 A • at 10 V rated value 1 A operational current at DC-12 • at 48 V rated value • at 230 V rated value 1 A operational current at DC-13 • at 600 V rated value • at 24 V rated value 1 A operational current at DC-13 • at 600 V rated value • at 24 V rated value 1 A • at 25 V rated value 1 A • at 600 V rated value 2 A		
• at 80 Hz 0.25 closing delay 9 35 ms • at AC 7 13 ms arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 10.A operational current at AC-12 maximum 10.A operational current at AC-15 1 • at 200 V rated value 3A • at 300 V rated value 3A • at 600 V rated value 1A operational current at AC-12 maximum 10.A at 600 V rated value 2A • at 600 V rated value 1A operational current at DC-12 1A • at 600 V rated value 6A • at 60 V rated value 6A • at 60 V rated value 1A operational current at DC-13 1 • at 62 V rated value 0.15 A operational current t DC-13 1 • at 62 V rated value 0.15 A operational current t DC-13 1 • at 62 V rated value 0.16 A • at 62 V rated value 0.16 A • at 60 V rated value </td <td></td> <td>0.24</td>		0.24
closing delay 935 ms opening delay 935 ms et AC 713 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Atxiliary circuit 1 number of NC contacts for auxiliary contacts 1 instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 10A • at 300 V rated value 2A • at 600 V rated value 2A • at 600 V rated value 1A operational current at AC-12 10 A operational current at AC-15 10 A • at 600 V rated value 2A • at 600 V rated value 6A • at 10 V rated value 1A operational current at AC-12 10 A • at 24 V rated value 1A • at 25 V rated value 1A operational current at DC-12 10 A • at 220 V rated value 1A • at 220 V rated value 2A • at 24 V rated value 0.15 A operational current at DC-13 10 A		
• et AC 935 ms opening delay 713 ms arcing time 1015 ms control version of the switch operating mechanism Standard A1 - A2 Number of NC contacts for auxiliary contacts 1 instantaneous contact 1 operational current at AC-12 maximum 10 A operational current at AC-15 1 • at 200 V rated value 3 A • at 300 V rated value 10 A • at 400 V rated value 1 A operational current at DC-12 • at 400 V rated value • at 400 V rated value 1 A operational current at DC-12 • at 400 V rated value • at 60 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 1 A • at 22 V rated value 1 A • at 24 V rated value 2 A • at 25 V rated value 1 A • at 20 V rated value 2 A • at 210 V rated value 2 A • at 22 V rated value 1 A • at 24 V rated value 1 A • at 25 V rated value 2 A • at 26 V rated value 2 A • at 27 V rated value 1 A • at 28 V rated value 1 A • at 60 V rated value		0.20
opening delay if AC at AC T13 ms arcing time 1015 ms Standard A1 - A2 Auxiliary contacts instantaneous contact operational current at AC-12 maximum operational current at AC-15 et 230 V rated value 10 A operational current at AC-15 et 230 V rated value at 690 V rated value at 680 V rated value at 680 V rated value at 10 A operational current at DC-12 at 24 V rated value at 124 V rated value at 124 V rated value at 125 V rated value at 125 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 24 V rated value at 250 V rated value at 260 V rated value at 27 V rated value at 28 V rated value bit 28 V rated value bit 28 V rated value at 28 V rated value a		0. 25 mg
• ei AC 7 13 ms arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 operational current at AC-12 maximum 10 A operational current at AC-15 • • at 230 V rated value 10 A • at 230 V rated value 10 A • at 690 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12 • • at 230 V rated value 10 A • at 480 V rated value 10 A • at 490 V rated value 6 A • at 10 V rated value 6 A • at 10 V rated value 0.15 A operational current at DC-13 0.16 A • at 60 V rated value 0.16 A • at 22 V rated value 0.16 A • at 60 V rated value 0.16 A <td></td> <td>9 00 IIIS</td>		9 00 IIIS
arcing time 10 15 ms control version of the switch operating mechanism Standard A1 - A2 Avxillary circuit instantaneous contact operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 3 A • at 600 V rated value 3 A • at 600 V rated value 10 A operational current at DC-12 • • at 840 V rated value 10 A • at 840 V rated value 6 A • at 840 V rated value 6 A • at 840 V rated value 0.15 A operational current at DC-13 • • at 600 V rated value 0 A • at 600 V rated value 0 A • at 82 V rated value 0.15 A operational current at DC-13 • • at 84 V rated value 0 A • at 80 V rated value 0 A • at 80 V rated value 0 A • at 20 V rated value 0 A • at 60 V rated value		7 10
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Auxiliary circuit 1 number of NC contacts for auxiliary contacts 1 instantaneous contact 10 A operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 3 A • at 500 V rated value 2 A • at 600 V rated value 1 A operational current at DC-12 10 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 22 V rated value 10 A • at 25 V rated value 10 A • at 25 V rated value 10 A • at 60 V rated value 6 A • at 22 V rated value 1 A • at 22 V rated value 1 A • at 22 V rated value 10 A • at 60 V rated value 2 A • at 60 V rated value 10 A • at 60 V rated value 1 A • at 60 V rated value 1 A • at 60 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings <td></td> <td></td>		
number of NC contacts for auxiliary contacts 1 instantaneous contact 10 A operational current at AC-15 10 A • at 200 V rated value 3 A • at 600 V rated value 2 A • at 600 V rated value 10 A operational current at DC-12 10 A • at 600 V rated value 10 A • at 600 V rated value 6 A • at 72 V rated value 6 A • at 80 V rated value 6 A • at 10 V rated value 6 A • at 10 V rated value 6 A • at 10 V rated value 10 A • at 80 V rated value 10 A • at 80 V rated value 10 A • at 10 V rated value 2 A • at 10 V rated value 2 A • at 20 V rated value 10 A • at 20 V rated value 2 A • at 60 V rated value 2 A • at 20 V rated value 2 A • at 20 V rated value 0 A • at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings	·	Standard A1 - A2
instantaneous contact 10 A operational current at AC-12 maximum 10 A operational current at AC-15 10 A • at 230 V rated value 10 A • at 200 V rated value 3 A • at 500 V rated value 2 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 600 V rated value 10 A • at 400 V rated value 6 A • at 40 V rated value 6 A • at 40 V rated value 6 A • at 220 V rated value 10 A • at 43 V rated value 2 A • at 44 V rated value 2 A • at 45 V rated value 2 A • at 100 V rated value 10 A • at 20 V rated value 0.3 A • at 20 V rated value 0.14 • at 20 V rated value 0.14 UCGSA ra		
operational current at AC-15 • at 230 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value • at 49 V rated value • at 44 V rated value • at 44 V rated value • at 44 V rated value • at 45 V rated value • at 45 V rated value • at 60 V rated value • at 20 V rated value • at 210 V rated value • at 220 V rated value • at 250 V rated value • at 200 V rated value • at 200 V rated value • at 24 V rated value • at 24 V rated value • at 24 V rated value • at 20 V rated value • at 100 V rated value • at 110 V rated value • at 125 V rated value • at 100 V rated value • at 100 V rated value • at 400 V rated value • at 600 V rated value • at 600 V rated value <td></td> <td>1</td>		1
• at 230 V rated value 10 A • at 400 V rated value 3 A • at 650 V rated value 2 A • at 650 V rated value 1 A operational current at DC-12 10 A • at 24 V rated value 6 A • at 60 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 6 A • at 25 V rated value 2 A • at 25 V rated value 2 A • at 25 V rated value 2 A • at 26 V rated value 2 A • at 26 V rated value 2 A • at 26 V rated value 10 A • at 60 V rated value 2 A • at 60 V rated value 0.15 A operational current at DC-13 10 A • at 60 V rated value 2 A • at 60 V rated value 0.9 A • at 20 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) ULCSA ratings 10UI-LOSA ratings full-load current (FLA) for 3-phase AC motor 6.1 A • at 600 V rated value 6.1 A • at 600 V rated value <td>operational current at AC-12 maximum</td> <td>10 A</td>	operational current at AC-12 maximum	10 A
• at 400 V rated value 3 A • at 500 V rated value 2 A • at 690 V rated value 1 A operational current at DC-12 0 A • at 48 V rated value 10 A • at 48 V rated value 6 A • at 60 V rated value 6 A • at 10 V rated value 6 A • at 10 V rated value 2 A • at 20 V rated value 2 A • at 20 V rated value 2 A • at 48 V rated value 10 A • at 48 V rated value 2 A • at 20 V rated value 1 A • at 600 V rated value 1 A • at 600 V rated value 0.15 A operational current at DC-13 • • at 60 V rated value 2 A • at 40 V rated value 2 A • at 60 V rated value 0.9 A • at 20 V rated value 0.3 A • at 600 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UL/CSA ratings • full-load current (FLA) for 3-phase AC motor • • at 600 V rated value <	operational current at AC-15	
• at 690 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 60 V rated value 6 A • at 10 V rated value 6 A • at 22 V rated value 1 A • at 22 V rated value 2 A • at 22 V rated value 1 A • at 22 V rated value 1 A • at 22 V rated value 0.15 A operational current at DC-13 0 A • at 48 V rated value 2 A • at 60 V rated value 0.9 A • at 220 V rated value 0.3 A • at 220 V rated value 0.1 A contact reliability of auxiliary contacts 1 faulty switching per 100 million (17 V, 1 mA) UU/CSA ratings 1 full-bad current (FLA) for 3-phase AC motor 6.1 A • at 600 V rated value 6.1 A • yielded mechanical performan	 at 230 V rated value 	10 A
• at 690 V rated value1 Aoperational current at DC-12I• at 24 V rated value6 A• at 48 V rated value6 A• at 60 V rated value6 A• at 10 V rated value3 A• at 110 V rated value1 A• at 220 V rated value1 A• at 600 V rated value10 A• at 600 V rated value10 A• at 600 V rated value10 A• at 220 V rated value10 A• at 24 V rated value2 A• at 60 V rated value2 A• at 24 V rated value2 A• at 25 V rated value2 A• at 20 V rated value2 A• at 210 V rated value0.9 A• at 220 V rated value0.3 A• at 220 V rated value0.1 Acontact reliability of auxiliary contacts1 faulty switching per 100 million (17 V, 1 mA)UL/CSA ratingsIfull-load current (FLA) for 3-phase AC motor4.8 A• at 480 V rated value4.8 A• at 480 V rated value6.1 Ayielded mechanical performance [hp]0.25 hp• for single-phase AC motor0.25 hp- at 230 V rated value0.75 hp• for 3-phase AC motor0.75 hp	 at 400 V rated value 	3 A
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 at 230 V rated value o for 3-phase AC motor 0.75 hp 		
for 3-phase AC motor		
		0.75 hp
— at 200/208 V rated value 1.5 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
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)
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 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
 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
 for auxiliary and control circuit 	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	
 mirror contact according to IEC 60947-4-1 	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 у
protection class IP on the front according to IEC 60529	IP00
suitability for usesafety-related switching OFF	Yes
Certificates/ approvals	
General Product Approval	

SP SM	<u>Confirmation</u>	CCC CCC		<u>KC</u>	EAC
EMC	Functional Safety/Safety of Machinery	Declaration of Confo	ormity	Test Certificates	
RCM	<u>Type Examination</u> <u>Certificate</u>	CE EG-Konf.		<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyd's Register uis	PRS	RINA
Marine / Shipping	other				
RMRS	<u>Confirmation</u>				
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=3RT2015-4AG62 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-4AG62 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AG62 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-4AG62⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AG62/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-4AG62&objecttype=14&gridview=view1					
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