SIEMENS

Data sheet

3RT2015-4AK62



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 1 NC, ring cable lug connection, size: S00 $\,$

product brand name SiRUS product bread dasi Power contactor product bye designation SRT2 central technical data S00 product stension No • function module for communication No • auxiliary switch Yes power loss [V] for rated value of the current 0.6 W • 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 4.4 W insulation voltage 660 V • of main circuit with degree of pollution 3 rated value 660 V • of auxiliary circuit with degree of pollution 3 rated value 680 V • of auxiliary circuit rated value 64 V • of auxiliary circuit rated value 610 V • ol		
product type designation SRT2 General technical data	product brand name	SIRIUS
General technical data S00 size of contactor S00 product extension No • auxiliary switch Yes power loss [W] for rated value of the current 0.6 W • at AC in hot operating state 0.6 W • without load current share typical 0.2 W • without load current share typical 680 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 64V • of auxiliary circuit with degree of pollution 3 rated value 64V • of auxiliary circuit rated value 61V • of auxiliary circuit rated value 61V • of contactor typical 30 000 V • at AC 61,7g / 5 ms, 4,2g / 10 ms mechanical service life (operating cycles) 5000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 <th>product designation</th> <th>Power contactor</th>	product designation	Power contactor
size of contactor S00 product extension No • function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 0.6 W • at AC in hot operating state per pole 0.2 W • without load current share typical 4.4 W insulation voltage 680 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 64 V • of main circuit rated value 64 V • of auxiliary circuit rated value 61 V • of auxiliary circuit rated value <	product type designation	3RT2
product extension No • function module for communication No • auxiliary switch Yes • at AC in hot operating state 0.6 W • at AC in hot operating state prole 0.2 W • without load current share typical 4.4 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 68 kV • of main circuit rated value 6 kV • of an AC 10.5g / 5 ms, 4.2g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • of the contactor with added electronically optimized auxiliary switch block typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxil	General technical data	
• function module for communication No • auxiliary switch Yes power loss [W] for rated value of the current 0.6 W • 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 4.4 W Insulation voitage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit ated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 6.7g / 5 ms, 4.2g / 10 ms shock resistance with sine pulse 6.7g / 5 ms, 6.8g / 10 ms • at AC 10.5g / 5 ms, 6.8g / 10 ms mechanical service life (operating systech block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 <th>size of contactor</th> <th>S00</th>	size of contactor	S00
• auxiliary switch Yes power loss [W] for rated value of the current . • at AC in hot operating state er pole 0.2 W • at AC in hot operating state per pole 0.2 W • without load current share typical 4.4 W Insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 64 V • of auxiliary circuit with degree of pollution 3 rated value 64 V • of auxiliary circuit rated value 64 V • of auxiliary circuit rated value 64 V maximum permissible voltage for protective separation between col and main contacts according to EN 60947-1 61.5g / 5 ms, 6.6g / 10 ms shock resistance at rectangular impulse - 61.5g / 5 ms, 6.6g / 10 ms • at AC 5000 000 5000 000 • of contactor typical 00 000 000 10 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 0000 000 10 001/2009	product extension	
power loss [W] for rated value of the current 0.6 W • at AC in hot operating state prole 0.2 W • without load current share typical 4.4 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 64 V • of main circuit rated value 64 V • of auxiliary circuit rated value 67 / 5 ms, 4.2g / 10 ms shock resistance at rectangular impulse 6.7g / 5 ms, 4.2g / 10 ms • at AC 6.7g / 5 ms, 6.6g / 10 ms • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical <th> function module for communication </th> <td>No</td>	 function module for communication 	No
• at AC in hot operating state 0.6 W • at AC in hot operating state price 0.2 W • without load current share typical 4 W insultation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary since block typical 400 V • at AC 6.7g / 5 ms, 4.2g / 10 ms shock resistance at rectangular impulse 30 000 000 • at AC 10.5g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 5 000 000 • of the contactor with added electronically optimized 10 000 000 • of the contactor with added electronically optimized 10 000 000 • of the contactor with added auxiliary switch block t	auxiliary switch	Yes
• at AC in hot operating state per pole 0.2 W • without load current share typical 4.4 W insulation voltage 60 min circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of main contract state value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 6.7g / 5 ms, 4.2g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.000 000 • of contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2	power loss [W] for rated value of the current	
• without load current share typical 4.4 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 680 V • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • at AC 6.7g / 5 ms, 4.2g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • of contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 1001/2009 Ambient conditions 2 000 m ambient temperature -55 +60 °C • during storage -55 +60 °C • during s	 at AC in hot operating state 	0.6 W
Insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 61 within a stand value • of main circuit rated value 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 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 6.7g / 5 ms, 4.2g / 10 ms • at AC 6.7g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 10.5g / 5 ms, 6.6g / 10 ms • at AC 10.5g / 5 ms, 6.6g / 10 ms • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 8136-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient temperature -0 0°C • during storage -25 +60 °C • during stora	 at AC in hot operating state per pole 	0.2 W
• 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 690 V • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between 400 V coli and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 6,7g / 5 ms, 4,2g / 10 ms • at AC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 400 000 • at AC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 efference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions -25 +60 °C • during operation -25 +60 °C • during storage -55 +60 °C • during storage </th <th> without load current share typical </th> <th>4.4 W</th>	 without load current share typical 	4.4 W
• of auxillary circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxillary circuit rated value 6 kV • of auxillary circuit rated value 6 kV • of auxillary circuit rated value 6 kV • at AC 600 V • at AC 6,7g / 5 ms, 4,2g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,000 000 • of contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • 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 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -25 +60 °C • during storage -	insulation voltage	
surge voltage resistance 6 kV • of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 6,7g / 5 ms, 4,2g / 10 ms • at AC 6,7g / 5 ms, 6,6g / 10 ms shock resistance with sine pulse - • at AC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) - • of the contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10 000/2009 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 at 55 °C according to IEC 60068-2-30	 of main circuit with degree of pollution 3 rated value 	690 V
• of main circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 6 kV • maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 400 V • at AC 6,7g / 5 ms, 4,2g / 10 ms • at AC 6,7g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms • at AC 30 000 000 • of the contactor typical 5 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 0 000 n • of the contactor with added auxiliary switch block typical 10 000 000	 of auxiliary circuit with degree of pollution 3 rated value 	690 V
• of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between coll and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 6,7g / 5 ms, 4,2g / 10 ms • at AC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 10,5g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 30 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • 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 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 95 %	surge voltage resistance	
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) of contactor typical 30 000 000 of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of othe contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical 10 000 000 10 000 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature during operation -25 +60 °C etative humidity minimum 10 % 95 % 	 of main circuit rated value 	6 kV
coil and main contacts according to EN 60947-1 shock resistance at rectangular impulse • at AC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 6,7g / 5 ms, 6,6g / 10 ms • at AC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of contactor typical 5 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • 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 2000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 %	 of auxiliary circuit rated value 	6 kV
• at AC6,7g / 5 ms, 4,2g / 10 msshock resistance with sine pulse10,5g / 5 ms, 6,6g / 10 ms• at AC10,5g / 5 ms, 6,6g / 10 msmechanical service life (operating cycles)30 000 000• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum e during operation2 000 m• during operation • during storage-25 +60 °C• relative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %		400 V
shock resistance with sine pulse 0.5g / 5 ms, 6,6g / 10 ms e at AC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of contactor typical 30 000 000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • 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 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 40 mino circuit	shock resistance at rectangular impulse	
• at AC10,5g / 5 ms, 6,6g / 10 msmechanical service life (operating cycles)30 000 000• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical20 000 m• ambient conditions2 000 m• during operation • during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	6,7g / 5 ms, 4,2g / 10 ms
mechanical service life (operating cycles) auxiliary switch lock typical • of contactor with added electronically optimized auxiliary switch block typical 5 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • 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 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	shock resistance with sine pulse	
• of contactor typical30 000 000• of the contactor with added electronically optimized auxiliary switch block typical5 000 000• of the contactor with added auxiliary switch block typical10 000 000• of the contactor with added auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	• at AC	10,5g / 5 ms, 6,6g / 10 ms
 of the contactor with added electronically optimized auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical of the contactor with added auxiliary switch block typical 0 000 000 auxiliary substance (Date) a	mechanical service life (operating cycles)	
auxiliary switch block typical10 000 000reference code according to IEC 81346-2QSubstance Prohibitance (Date)10/01/2009Ambient conditions2 000 minstallation altitude at height above sea level maximum2 000 mambient temperature • during operation • during storage-25 +60 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %	 of contactor typical 	30 000 000
reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions 2 000 m installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % Main circuit 95 %		5 000 000
Substance Prohibitance (Date) 10/01/2009 Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature 2 000 m • 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 %	 of the contactor with added auxiliary switch block typical 	10 000 000
Ambient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature -25 +60 °C • 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	reference code according to IEC 81346-2	Q
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 4	Substance Prohibitance (Date)	10/01/2009
ambient temperature -25 +60 °C • 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	Ambient conditions	
• 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 -25 +80 °C	installation altitude at height above sea level maximum	2 000 m
• during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit	ambient temperature	
relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 % Main circuit 40 %	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	during storage	-55 +80 °C
Main circuit	relative humidity minimum	10 %
		95 %
number of poles for main current circuit 3	Main circuit	
	number of poles for main current circuit	3

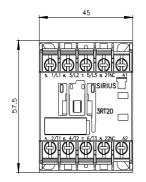
number of NO contacts for main contacts	3
operating voltage	5
at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operational current	
at AC-1 at 400 V at ambient temperature 40 °C rated	18 A
value	
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	18 A
value	
— up to 690 V 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 60 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 	
— at 24 V rated value	15 A
— at 60 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 60 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 	

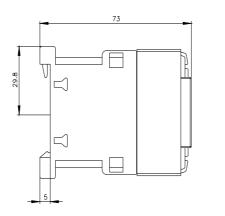
— at 24 V rated value	15 A
— at 60 V rated value	0.35 A
— at 110 V rated value	0.1 A
 with 2 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 60 V rated value	3.5 A
— at 110 V rated value	0.25 A
 with 3 current paths in series at DC-3 at DC-5 	
— at 24 V rated value	15 A
— at 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-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
Imited 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
Imited 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	
● at 50 Hz rated value	110 V
● at 60 Hz rated value	120 V
operating range factor control supply voltage rated value of	
magnet coil at AC	0.8 1.1
● at 50 Hz	0.8 1.1

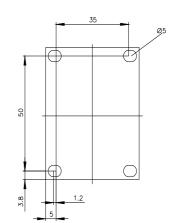
• at 60 Hz	0.8 1.1
apparent pick-up power of magnet coil at AC	
• at 50 Hz	26.4 VA
• at 60 Hz	26.4 VA
inductive power factor with closing power of the coil	
• at 50 Hz	0.81
• at 60 Hz	0.81
apparent holding power of magnet coil at AC	
• at 50 Hz	4.4 VA
• at 60 Hz	4.4 VA
inductive power factor with the holding power of the coil	
• at 50 Hz	0.24
• at 60 Hz	0.24
closing delay	
• at AC	9 35 ms
opening delay	
• at AC	4 15 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts instantaneous	1
contact	
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	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	
 at 24 V rated value 	10 A
 at 48 V rated value 	6 A
 at 60 V rated value 	6 A
 at 110 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	
at 24 V rated value	10 A
at 48 V rated value	2 A
• at 60 V rated value	2 A
• at 110 V rated value	1 A
• at 125 V rated value	0.9 A
• at 220 V rated value	0.3 A
• at 600 V rated value	0.1 A
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	4.8 A
• 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 rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link	
Ÿ	

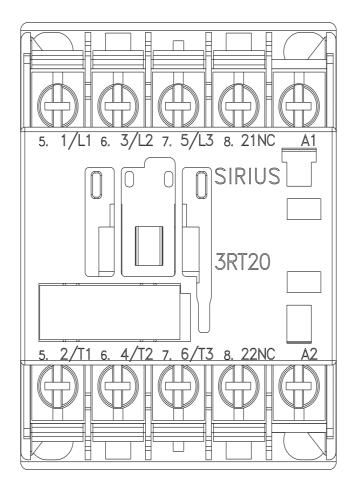
 for short-circuit protection of the main circuit 				
— with type of coordination 1 required	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)			
 — with type of assignment 2 required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)			
 for short-circuit protection 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 DIN 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 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				
EMC Functional EMC Safety/Safety of Ma- Declaration of chinery	f Conformity Test Certificates			
chinery				

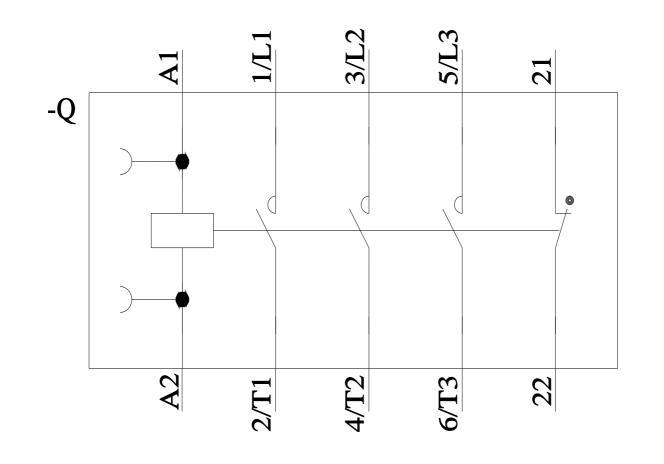
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	<u>Special Test Certific-</u> <u>ate</u>	
Marine / Shipping						
ABS	BUREAU VERITAS		Llovd's Register us	PRS	RINA	
Marine / Shipping	other			Railway	Environment	
RMRS	<u>Confirmation</u>	DE	<u>Confirmation</u>	Vibration and Shock	Environmental Con- firmations	
https://press.siemens.o Siemens is working of Please contact your lo	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 pa						
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=3RT2015-4AK62						
Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-4AK62						
Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AK62 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-4AK62⟨=en Characteristic: Tripping characteristics, I ² t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-4AK62/char						
Further characteristi	cs (e.g. electrical enduran .siemens.com/bilddb/index.	ce, switching frequend		cttype=14&gridview=view1		











last modified:

2/10/2023 🖸