SIEMENS

Data sheet

3RT2015-2BW41



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 48 V DC, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00,

product brand name SIRIUS product designation Power contactor product type designation SAT2 Contractor S00 product stension No • at AC in hot operating state 0.6 W • at AC in hot operating state 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 W insultation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxilary circuit rated value 690 V • of auxilary circuit rated value 60 KV • of auxilary circuit rated value 60 V • of auxilary circuit rated value 64 V • of auxilary circuit rated value 64 V • of auxilary circuit rated value 64 V • of contactor keystance at cetangular impulse 64 V • of contactor keystance at cetangular impulse 64 V • at DC 60,7g / 5 ms, 6,8g / 10 ms mechanical service life (operating cycles) 5000 0000 • of the contac		
product type designation 3RT2 General tachnical data	product brand name	SIRIUS
Constrait technical data S00 size of contactor S00 product storsion • • 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 4W insultation 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 with degree of pollution 3 rated value 690 V • of main circuit rated value 6 kV • of auxiliary sinch inse pulse 6.7g / 5 ms. 4.2g / 10 ms machine resistance with sine pulse 6.7g / 5 ms. 4.2g / 10 ms • at DC 10.5g / 5 ms. 6.6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary s	product designation	Power contactor
size of contactor S00 product extension • 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 W insultaton 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 690 V • of main circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 64V • of main circuit rated value 64V • of main circuit rated value 64V • of auxiliary circuit rated value 64V • at DC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 6,7g / 5 ms, 6,6g / 10 ms mechanical service iffe (operating cycles) 30 000 000 • of the contactor with added electronically optimized 30 000 000 • of the contactor with added electronically optimized 10/000 000 reference code accor	product type designation	3RT2
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 0.6 W • at AC in hot operating state pole 0.2 W • withoot load current share typical 4 W insulation voltage 690 V • of main circuit with degree of pollution 3 rated value 690 V • of main dircuit rated value 680 V • of auxiliary circuit rated value 6 kV • at DC 6.7g / 5 ms, 4.2g / 10 ms shock resistance at rectangular impulse 6 kV • at DC 10.5g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized 30 000 000 erference code according to EC 8136-2 Q Substance Prohibitance (Date) 10 00 1/2009 Ambient temperature 2 000 m ambient temperature 2 000 m etaltive humidity minimum 2 000 m ambient temperature -25 +60 °C • during operation <th>General technical data</th> <th></th>	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 W Insulation voltage 600 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 circuit rated value 6 kV • at DC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 6,7g / 5 ms, 6,6g / 10 ms • at DC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor which added auxiliary switch block typical 10 000 000 • of the contactor which added auxiliary switch block typical	size of contactor	S00
• 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 W insulation voltage 680 V • of analin 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 with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • of auxiliary circuit rated value 7 gr / 5 ms, 4,2g / 10 ms shock resistance with added electronically optimized 30 000 000<	product extension	
power loss [W] for rated value of the current 0.6 W • at AC in hot operating state per pole 0.2 W • without bad current share typical 4 W insulation voltage 4 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 • of auxiliary circuit with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 61 V • of main circuit rated value 61 V • of auxiliary circuit rated value 61 V • at DC 6.7g / 5 ms, 4.2g / 10 ms • at DC 90 V • at DC 10.5g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 00 0000 • of the contactor with added electronically optimized auxiliary switch block typical 10 000 000 • of the contactor with added auxiliary switch block typical 10/00 1/2009 Ambient	 function module for communication 	No
• 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 W insultation 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 with degree of pollution 3 rated value 690 V • of auxiliary circuit rated value 6 kV • at DC 6.7g / 5 ms, 4.2g / 10 ms • at DC 10.5g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized 30 000 000 • of the contactor with added auxiliary switch block typical 10 000 000 reference code according to EC 81346-2 Q Substance Prohb	auxiliary switch	Yes
• at AC in hot operating state per pole 0.2 W • withbut load current share typical 4 W insulation voltage 6 W • of main circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of auxiliary circuit rated value 6 kV • ad DC 6.7g / 5 ms, 4.2g / 10 ms shock resistance at rectangular impulse 6.7g / 5 ms, 6.6g / 10 ms • at DC 10.5g / 5 ms, 6.6g / 10 ms mechanical service life (operating cycles) 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 addeed auxiliary switch block typical 10 000 000 • of the contactor	power loss [W] for rated value of the current	
• without load current share typical 4 W insulation voltage 6 fmain 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 6 kV • of auxiliary circuit rated value 6 kV maximum permissible voltage for protective separation between 400 V col and main contacts according to EN 60947-1 400 V shock resistance at rectangular impulse 6,7g / 5 ms, 4,2g / 10 ms • at DC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 30 000 000 • of the contactor with added electronically optimized 30 000 000 • 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 -25 +60 °C • during storage -55 +60 °C • during storage -55	 at AC in hot operating state 	0.6 W
Insulation voltage 600 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 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 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 DC 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 reference code according to IEC 81348-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient temperature - • during operation -25 +60 °C • during storage -55	 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 6 • of main 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 6,7 / 5 ms, 4,2g / 10 ms • at DC 6,7 / 5 ms, 6,6g / 10 ms shock resistance with sine pulse 000 000 • at DC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 00 000 000 • 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 -25 +60 °C • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 %	 without load current share typical 	4 W
• of auxiliary circuit with degree of pollution 3 rated value 690 V surge voltage resistance 6 kV • of main 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 DC 6,7g / 5 ms, 6,6g / 10 ms shock resistance with sine pulse 000000 • 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 • 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 attitude at height above sea level maximum 2 000 m • during operation -25 +60 °C • during storage -55 +80 °C relative humidity at 55 °C according	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 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 DC 6,7g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 000000 • 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 reference 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 +80 °C relative humidity minimum 10 % 95 % 95 %	 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 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 DC 6,7g / 5 ms, 6,6g / 10 ms • at DC 10,5g / 5 ms, 6,6g / 10 ms • at DC 00 000 • 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 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 Ambient conditions -25 +60 °C • during operation -25 +80 °C • during storage -55 +80 °C • during storage -55 +80 °C • relative humidity minimum 10 % 95 % 95 %	 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 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 DC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 0.5g / 5 ms, 6,6g / 10 ms • at DC 10,5g / 5 ms, 6,6g / 10 ms mechanical service life (operating cycles) 000000 • of contactor typical 30 000 000 • of the contactor with added electronically optimized 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 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % 95 % 95 %	surge voltage resistance	
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• at DC 6,7g / 5 ms, 4,2g / 10 ms shock resistance with sine pulse 10,5g / 5 ms, 6,6g / 10 ms • at DC 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 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 minimum 10 % maximum 95 %		400 V
shock resistance with sine pulse integration mag book • at DC 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 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit	shock resistance at rectangular impulse	
• at DC 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 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit Main circuit	• at DC	6,7g / 5 ms, 4,2g / 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 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 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 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 95 %	shock resistance with sine pulse	
• 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 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 J	• at DC	10,5g / 5 ms, 6,6g / 10 ms
• 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 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 maximum 95 %	mechanical service life (operating cycles)	
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 95 %	 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 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 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 -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 %	 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 -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	Substance Prohibitance (Date)	10/01/2009
ambient temperature • during operation • during storage -25 +60 °C • during storage -55 +80 °C relative humidity minimum 10 % relative humidity at 55 °C according to IEC 60068-2-30 maximum 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	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 95 % Main circuit 95 %	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30 95 % Main circuit 95 %	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 	

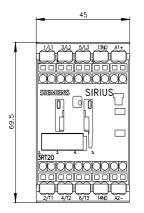
• with 2 current paths in series at DC-3 at DC-3Image: Series at DC-3 at DC-3- at 20 V rated value0.28 A- at 110 V rated value0.28 A- at 32 V rated value15 A- at 32 V rated value15 A- at 32 V rated value15 A- at 32 V rated value16 A- at 32 V rated value16 A- at 32 V rated value16 A- at 32 V rated value0.14 A- at 32 V rated value0.14 A- at 32 V rated value0.14 A- at 32 V rated value3 KW- at 32 V rated value15 KW- at 32 V rated value3 KW <td>— at 24 V rated value</td> <td>15 A</td>	— at 24 V rated value	15 A
		0.35 A
	-	
• with 3 current paths in series at DC-3 at DC-3- at 24 V rates value15 A- at 10 V rates value15 A- at 10 V rates value15 A- at 10 V rates value16 A- at 420 V rates value0.14 A- at 420 V rates value0.14 A- at 420 V rates value0.14 A- at 420 V rates value1.5 kW- at 420 V rates value3 kW- at 420 V rates value1.5 kWop teore for approx. 20000 operating cycles at AC- (at 400 V rates value1.5 kWop teore for approx 20000 operating cycles at AC- (at 400 V rates value n=20 rates value- (at 400 V for current pask value n=20 rates value- (at 600 V for current pask value n=20 rates value- (at 600 V for current pask value n=30 rates value- (at 600 V for current pask value n=30 rates value- (at 600 V for current pask value n=30 rates value<	— at 60 V rated value	
 af 24 Viniter value 5A af 60 Vinite value 5A af 60 Vinite value 15A af 220 Vinite value 12A af 420 Viniter value 0.14A af 60 Viniter value 0.14A af 60 Viniter value 0.14A af 60 Viniter value 15 KW af 60 Viniter value 31 Wi af 60 Viniter value 41 With a Viniter value 41 With a Viniter value 15 KW af 60 Viniter value 15 KW af 60 Viniter value 15 KW af 60 Viniter value 31 With a Viniter value 15 KW af 60 Viniter value 31 With a Viniter value 15 KW af 60 Viniter value 16 KW at 60 Viniter value 16 KW at 60 Viniter value 16 KW at 60 Viniter value		0.25 A
- af 80 V rated value 15 Å - af 122 V rated value 15 Å - af 420 V rated value 0.14 Å - af 420 V rated value 0.14 Å - af 420 V rated value 0.14 Å - af 220 V rated value 0.14 Å - af 220 V rated value 0.14 Å - af 220 V rated value 3.KW - af 420 V rated value 1.5.KW - af 420 V rated value 3.KW - af 420 V rated value 1.5.KW - af 420 V rated value 1.5.KW - af 420 V rated value 1.5.KW - af 420 V frated value 1.5.KW - af 420 V frated value 2.KW - af 420 V frated value 1.5.KW - af 420 V frated value 2.KW - af 420 V frated value 2.KW - af 420 V frated value 1.5.KW - af 420 V for current pack value n=20 rated value 3.KW	 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 800 V rated value 0.14 A operating power - - at 230 V rated value 1.5 kW - at 800 V rated value 1.5 kW - at 800 V rated value 3 kW - at 800 V rated value 3 kW - at 800 V rated value 4 kW - at 800 V rated value 1.5 kW - at 800 V rated value 3.5 kW - at 800 V rated value m20 rated value 3.5 kW - at 800 V for current pask value m20 rated value 3.5 kW - at 90 to 800 V for current pask value m20 rated value 3.5 kW - at 90 to 800 V for current pask value m20 rated value 3.5 kW - at 90 to 800 V for	— at 220 V rated value	1.2 A
operating power •••• if AC-3	— 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
erit AC-3e - at 230 V rated value - at 230 V rated value - at 500 V rated value - at 600 V rated value - at 600 V rated value - at 600 V for current peak value n=20 rated value - 10 to 230 V for current peak value n=20 rated value - 10 to 500 V for current peak value n=20 rated value - 10 to 500 V for current peak value n=20 rated value - 10 to 500 V for current peak value n=20 rated value - 10 to 500 V for current peak value n=30 rated value - 10 to 500 V for current peak value n=30 rated value - 10 to 500 V for current peak value n=30 rated value - 20 kVA - up to 500 V for current peak value n=30 rated value - 20 kVA - 10 to 51 s witching at zero current maximum - 10 At Use minimum cross-section acc. to AC-1 rated value - 10 to 51 s witching at zero current maximum - 10 40 C - 10 000 1/h - 10	— 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 690 V rated value 4 kW operating power for approx. 200000 operating cycles at AC- 4 1.15 kW • at 400 V rated value 1.15 kW • at 600 V rated value 1.15 kW • at 600 V rated value 1.15 kW • up to 230 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 630 V for current peak value n=20 rated value 3.3 kVA • up to 230 V for current peak value n=20 rated value 1.8 kVA • up to 230 V for current peak value n=30 rated value 1.8 kVA • up to 230 V for current peak value n=30 rated value 2.2 kVA • up to 500 V for current peak value n=30 rated value 2.8 kVA • up to 500 V for current peak value n=30 rated value 2.9 kVA • brot-time withstand current in cold operating state up to 40 *C 2.9 kVA • limited to 1 s switching at zero current maximum 120 A: Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 67 A: Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 67 A: Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 67 A: Use minimum cross-section acc. to AC-1 rated value • limited to 30 switching at zero current maximum 10 000 1/h	— at 400 V rated value	3 kW
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	— at 690 V rated value	4 kW
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• at AC-3e maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCtype of voltage of the control supply voltageDC• rated value48 V• perating range factor control supply voltage rated value of magnet coil at DC0.8• initial value0.8• full-scale value1.1	• at AC-2 maximum	750 1/h
• at AC-4 maximum 250 1/h Control circuit/ Control DC type of voltage of the control supply voltage DC control supply voltage at DC 48 V • rated value 48 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • full-scale value 1.1	● at AC-3 maximum	750 1/h
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type of voltage of the control supply voltage DC control supply voltage at DC 48 V • rated value 48 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • full-scale value 1.1		250 1/h
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• rated value 48 V operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • full-scale value 1.1	type of voltage of the control supply voltage	DC
operating range factor control supply voltage rated value of magnet coil at DC 0.8 • initial value 0.8 • full-scale value 1.1	control supply voltage at DC	
magnet coil at DC • initial value 0.8 • full-scale value 1.1	rated value	48 V
• full-scale value 1.1		
	• initial value	0.8
closing power of magnet coil at DC 4 W	• full-scale value	1.1
	closing power of magnet coil at DC	4 W

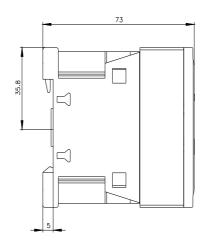
helding never of mermet call of DC	4.141
holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms
opening delay	
• at DC	7 13 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous contact	1
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	
-	
 for short-circuit protection of the main circuit with type of coordination 1 required 	aC: 354 (600)/ 100k4) aM: 204 (600)/ 100k4) DC09, 254 (445)/ 00k4)
 with type of coordination 1 required with type of assignment 2 required 	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)
 with type of assignment 2 required for short circuit protection of the auxiliary switch required 	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
for short-circuit protection of the auxiliary switch required Installation/ mounting/ dimensions	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	70 mm
width depth	45 mm 73 mm

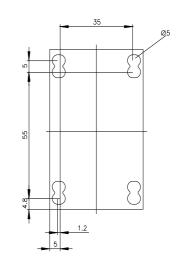
required spacing	
• with side-by-side mounting	10
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
at contactor for auxiliary contacts	Spring-type terminals
of magnet coil	Spring-type terminals
type of connectable conductor cross-sections for main contacts	0. (0.5 4 mm ²)
• solid	2x (0.5 4 mm ²)
solid or stranded	2x (0,5 4 mm ²)
finely stranded with core end processing	2x (0.5 2.5 mm ²)
finely stranded without core end processing	2x (0.5 2.5 mm²)
connectable conductor cross-section for main contacts	0.5 4
• solid	0.5 4 mm ²
• stranded	0.5 4 mm ²
finely stranded with core end processing	0.5 2.5 mm ²
finely stranded without core end processing	0.5 2.5 mm²
connectable conductor cross-section for auxiliary contacts	0.5 4 mm ²
solid or stranded finally stranded with core and processing	0.5 4 mm ²
 finely stranded with core end processing finely stranded without core and processing 	0.5 2.5 mm ² 0.5 2.5 mm ²
finely stranded without core end processing type of connectable conductor cross-sections	0.5 2.5 11111
for auxiliary contacts	
- solid or stranded	2x (0,5 4 mm²)
 — finely stranded with core end processing 	2x (0.5 2.5 mm ²)
 — finely stranded with core end processing — finely stranded without core end processing 	2x (0.5 2.5 mm ²)
 for AWG cables for auxiliary contacts 	2x (0.5 2.5 mm)
AWG number as coded connectable conductor cross	
section	
• 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	20 a
61508	
protection class IP on the front according to IEC 60529	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
suitability for use	Van
safety-related switching OFF	Yes
Certificates/ approvals	

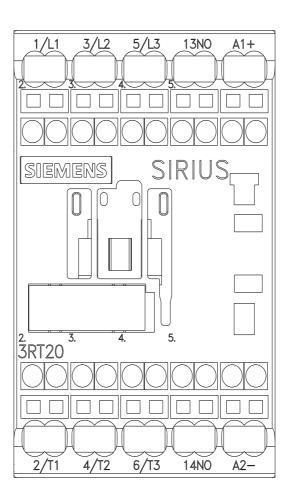
General Product Ap	proval				
	<u>Confirmation</u>			<u>KC</u>	EHC
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	rmity	Test Certificates	
RCM	<u>Type Examination Cer-</u> <u>tificate</u>	CE EG-Konf.	UK CA	<u>Special Test Certific-</u> <u>ate</u>	<u>Type Test Certific-</u> ates/Test Report
Marine / Shipping					
ABS	BUREAU VERITAS		Lloyds Register uis	PRS	RINA
Marine / Shipping	other		Railway	Dangerous Good	Environment
RMRS RMRS	<u>Confirmation</u>	DE	Vibration and Shock	Transport Information	Environmental Con- firmations
Further information					
https://press.siemens. Siemens is working of Please contact your lo EAC relevant market (Information on the p https://support.industro	d to exit the Russian mark com/global/en/pressrelease on the renewal of the curr ocal Siemens office on the si (other than the sanctioned E ackaging y.siemens.com/cs/ww/en/vie wnloadcenter (Catalogs, E com/ic10	/siemens-wind-down-rus ent EAC certificates. tatus of validity of the EA AEU member states Ru ew/109813875	AC certification if you intend	d to import or offer to supp	ly these products to an

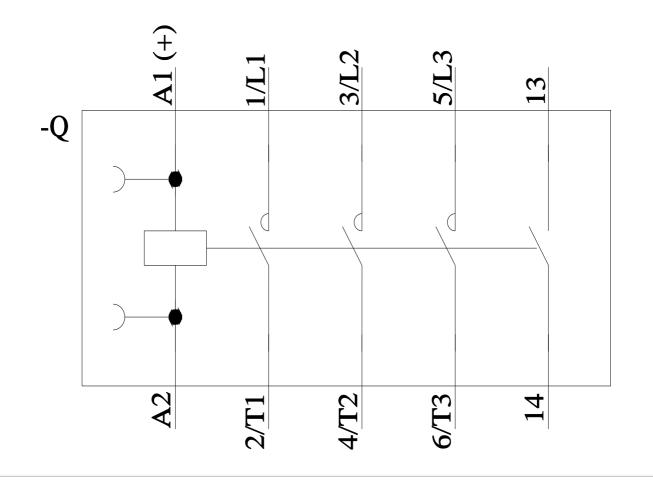
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2BW41/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2BW41&objecttype=14&gridview=view1











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