SIEMENS

Data sheet

3RT2015-2WB42



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.85-1.85* Us, with varistor plugged on, auxiliary contacts: 1 NC, spring-loaded terminal, size: S00, not expandable with auxiliary switch

product brand name	SIRIUS
product designation	Coupling contactor
product type designation	3RT2
General technical data	
size of contactor	S00
product extension	
 function module for communication 	No
 auxiliary switch 	No
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 	1.6 W
insulation voltage	
 of main circuit with degree of pollution 3 rated value 	690 V
 of auxiliary circuit with degree of pollution 3 rated value 	690 V
surge voltage resistance	
 of main circuit rated value 	6 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	400 V
shock resistance at rectangular impulse	
• at DC	6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)	
of contactor typical	30 000 000
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

a at AC 20 rated value maximum	600 \/		
• at AC-3e rated value maximum operational current	690 V		
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 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		
	0.25 A		
 — at 60 V rated value with 2 current paths in series at DC-3 at DC-5 	0.35 A		

	— at 24 V rated value	15 A			
• with 3 current paths in series at DC-3 at DC-3·- at 20 V rated value15 A- at 100 V rated value15 A- at 20 V rated value12 A- at 20 V rated value13 AW- at 20 V rated value3 AW- at 20 V rated value15 KW- at 20 V rated value16 KW- at 20 V rated value16 KW- at 20 V rated value16 KW- at 20 V rate	— at 60 V rated value	3.5 A			
- af 24 Y minut value15 Å- af 40 Y relate value15 Å- af 420 Y relate value12 Å- af 420 Y relate value0.14 Å- af 420 V relate value0.14 Å- af 420 V relate value0.14 Å- af 420 V relate value15 MV- af 400 V relate value3 MV- af 400 V relate value15 KW- af 400 V relate value3 MV- af 400 V relate value15 KW- af 400 V relate value3 MV- af 400 V relate value15 KW- af 400 V relate value15 KW- af 400 V relate value15 KW- af 400 V relate value3 MV- af 400 V relate value3 MV- af 400 V relate value15 KW- af 400 V relate value16 KW- af 400	— 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			
operating power	— at 440 V rated value	0.14 A			
• at AC3 - at 230 V rated value - at 230 V rated value 3 KW - at 600 V rated value 1.5 KW - at 600 V for current pack value n=20 rated value 2.7 KA - at 600 V for current pack value n=30 rated value 3.3 KW - at 600 V for current pack value n=30 rated value 2.8 KA - at 600 V for current pack value n=30 rated value 2.8 KA - at 600 V for current pack value n=30 rated value 2.8 KA - at 600 V for current pack value n=30 rated value 2.8 KA	— at 600 V rated value	0.14 A			
	operating power				
- al 400 V risked value3 KW- al 500 V risked value3 KW- al 400 V risked value4 KW- al 400 V risked value15 KW- al 400 V risked value3 KW- al 400 V risked value15 KW- al 400 V risked value15 KW- al 400 V risked value1.5 KW- al 500 V for current pack value n=20 risked value3 XVA- al p 5 200 V for current pack value n=20 risked value3 XVA- al p 5 200 V for current pack value n=20 risked value3 XVA- al p 5 200 V for current pack value n=20 risked value3 XVA- al p 5 200 V for current pack value n=30 risked value2 X KVA- al p 5 200 V for current pack value n=30 risked value2 X KVA- al 5 5 witching al zero current maximum120 A: Use minimum cross-section acc. to AC-1 risked value- al 16 C1000 V frameum cores-section acc. to AC-1 risked value- al 40 C1000 V frameum cores-section acc. to AC-1 risked value- al 40-C2 KW- al 40-C2 KW- al 40-C1000 V frameum cores-section acc. to AC-1 risked value- al 40-C3 KW- al 40-C1000 V frameum cores-section acc. to AC-1 risked value- al 40-C1000	• at AC-3				
	— at 230 V rated value	1.5 kW			
	— at 400 V rated value	3 kW			
• at AC3e - - at 250 V risted value 1.5 kW - at 500 V rated value 3 kW - at 500 V rated value 3 kW - at 500 V rated value 3 kW - at 600 V rated value 4 kW operating power for approx. 20000 operating cycles at AC-4 - - at 400 V rated value 1.15 kW - at 400 V rated value 1.15 kW - at 400 V rated value 1.5 kW - at 400 V rated value 2.7 kVA - up to 400 V for current pack value n=20 rated value 2.7 kVA - up to 500 V for current pack value n=20 rated value 3.3 kVA - up to 500 V for current pack value n=20 rated value 3.3 kVA - up to 500 V for current pack value n=20 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 1.8 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - up to 500 V for current pack value n=30 rated value 2.2 kVA - u	— 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			
operating power for approx. 200000 operating cycles at AC- 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 2.7 kVA up to 500 V for current peak value n=20 rated value 2.7 kVA up to 500 V for current peak value n=20 rated value 2.7 kVA up to 500 V for current peak value n=20 rated value 2.7 kVA up to 500 V for current peak value n=20 rated value 2.7 kVA up to 500 V for current peak value n=20 rated value 2.8 kVA op 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 2.8 kVA short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 1 s switching at zero current maximum ilmited to 3 s switching at zero current maximum ilmited to 3 s switching at zero current maximum ilmited to 6 0 s switching at zero current maximum ilmited to 6 0 s switching at zero current maximum ilmited to 6 0 s switching at zero current maximum ilmited to 6 0 s switching at zero current maximum it AC-3 maximum it AC-4 maximum it AC-4 maximum it AC-4 maximum it AC-4 maximum it AC-3 maximum it AC-4 maximum<	— at 500 V rated value	3 kW			
	— at 690 V rated value	4 kW			
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• 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 500 V for current peak value n=20 rated value 3.3 kVA • up to 200 V for current peak value n=30 rated value 1.8 kVA • up to 500 V for current peak value n=30 rated value 1.8 kVA • up to 500 V for current peak value n=30 rated value 2.8 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 2.8 kVA • up to 500 V for current peak value n=30 rated value 2.9 kVA • up to 500 V for current peak value n=30 rated value 2.9 kVA • up to 500 V for current peak value n=30 rated value 2.9 kVA • up to 500 V for current peak value n=30 rated value 2.9 kVA • up to 500 V for current peak value n=30 rated value 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 62 A; Use minimum cross-section acc. to AC-1 rated value • at DC 10 000 1/h operating frequency 10 000 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 7					
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• up to 690 V for current peak value n=20 rated value 4.3 kVA operating apparent power at AC-6a 1 kVA • up to 230 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 500 V for current peak value n=30 rated value 2.9 kVA • bort-time withstand current in cold operating state up to 40 °C 2.9 kVA • ilmited to 1 s witching at zero current maximum 86 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s witching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • at DC 10 000 1/h • at AC-2 maximum 750 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 250 1/h					
operating apparent power at AC-6a IVVA • up to 230 V for current peak value n=30 rated value 1 kVA • up to 500 V for current peak value n=30 rated value 1.8 kVA • up to 690 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 2.9 kVA short-time withstand current maximum 120 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1s switching at zero current maximum 86 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • at DC 10 000 1/h operating frequency 10 000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h Control supply voltage at DC 24 V • perating range factor control supply voltage rated value of magnet coil at DC 0.85 <td< td=""><td></td><td></td></td<>					
• 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 590 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 2.9 kVA short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum 86 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value • limited to 30 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 50 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • at DC 10 000 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum		4.3 KVA			
• up to 400 V for current peak value n=30 rated value • up to 500 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 2 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 2 kVA • up to 500 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 2 kVA • up to 500 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 2 kVA • up to 500 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 2 kVA • up to 500 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 2 kVA • up to 500 V for current peak value n=30 rated value 20 A; Use minimum cross-section acc. to AC-1 rated value 0 as switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • inited to 60 s switching at zero current maximum 43 A; Use minimum cross-section acc. to AC-1 rated value • inited to 60 s switching at zero current maximum 43 A; Use minimum cross-section acc. to AC-1 rated value • inited to 60 s switching at zero current maximum 43 A; Use minimum cross-section acc. to AC-1 rated value • at AC-1 maximum 1000 1/h • at AC-2 maximum 10 000 1/h • at AC-3 maximum 50 1/h • at AC-4 maximum 50 1/h • at AC-3 maximum 50 1/h • at AC-3 maximum • at AC-3 maximum 50 1/h • at AC-3 maximum 50 1/h • at AC-3 maximum 50 1/h • at AC-3 maximum • at		4 10/4			
• up to 500 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value • up to 690 V for current peak value n=30 rated value short-time withstand current in cold operating state up to 40 °C • limited to 1 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 5 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 30 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • limited to 50 s switching at zero current maximum • linited to 50 s switching at zero current maximum • linited to 50 s switching at zero current maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • a					
• 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 120 A; Use minimum cross-section acc. to AC-1 rated value • limited to 1 s switching at zero current maximum 86 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 50 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • limited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • at AC-1 maximum 52 A; Use minimum cross-section acc. to AC-1 rated value • at AC-2 maximum 1 0000 1/h • at AC-3 maximum 1 0000 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h • at AC-4 maximum 250 1/h • control supply voltage at DC 24 V • operating range factor control suppl					
short-time withstand current in cold operating state up to 40 °C					
40 °C ilimited to 1 s switching at zero current maximum 1100 4C, Use minimum cross-section acc. to AC-1 rated value 1110 100 5 switching at zero current maximum 86 A; Use minimum cross-section acc. to AC-1 rated value 1111 100 100 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value 1111 101 100 100 100 100 100 100 100 10		2.9 KVA			
• limited to 5 s switching at zero current maximum86 A; Use minimum cross-section acc. to AC-1 rated value• limited to 10 s switching at zero current maximum67 A; Use minimum cross-section acc. to AC-1 rated value• limited to 30 s switching at zero current maximum52 A; Use minimum cross-section acc. to AC-1 rated value• limited to 60 s switching at zero current maximum43 A; Use minimum cross-section acc. to AC-1 rated value• at DC10 000 1/hoperating frequency100 001 /h• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum24 V• operating range factor control supply voltage0.85• rated value0.85• initial value0.85• initial value0.85• full-scale value1.85• design of the surge suppressorwith varistor• closing power of magnet coil at DC1.6 W• holding power of magnet coil at DC1.6 W <td></td> <td></td>					
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• limited to 60 s switching at zero current maximum43 A; Use minimum cross-section acc. to AC-1 rated valueno-load switching frequency10 000 1/h• at DC10 000 1/hoperating frequency1000 1/h• at AC-1 maximum1000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum24 V• ortol circuit/ Control24 V• rated value0.85• initial value0.85• full-scale value1.85• design of the surge suppressorwith varistorclosing power of magnet coil at DC1.6 W• holding power of magnet coil at DC1.6 W	-				
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operating frequencyI• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/h• control circuit/ ControlDC• control supply voltage at DCDC• rated value24 V• operating range factor control supply voltage rated value of magnet coil at DC0.85• initial value0.85• full-scale value1.85design of the surge suppressorwith varistorclosing power of magnet coil at DC1.6 Wholding power of magnet coil at DC1.6 W		10 000 1/h			
• at AC-1 maximum1 000 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCcontrol supply voltage of the control supply voltageDCcontrol supply voltage at DC24 V• rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.85• initial value0.85• full-scale value1.85design of the surge suppressorwith varistorclosing power of magnet coil at DC1.6 W					
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• full-scale value1.85design of the surge suppressorwith varistorclosing power of magnet coil at DC1.6 Wholding power of magnet coil at DC1.6 W	-	0.85			
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closing power of magnet coil at DC 1.6 W holding power of magnet coil at DC 1.6 W					
holding power of magnet coil at DC 1.6 W					
	closing delay				

• at DC	25 120 ms		
opening delay			
• at DC	5 20 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 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	1A		
at 600 V rated value	0.15 A		
operational current at DC-13	10.4		
at 24 V rated value	10 A		
 at 48 V rated value at 60 V rated value 	2 A 2 A		
at 100 V rated value at 110 V rated value	1A		
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	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	70 mm		
width	45 mm		
depth	121 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 	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				
• solid	2x (0.5 4 mm²)			
 solid or stranded 	2x (0,5 4 mm²)			
 finely stranded with core end processing 	2x (0.5 2.5 mm²)			
 finely stranded without core end processing 	2x (0.5 2.5 mm²)			
connectable conductor cross-section for main contacts				
• solid	0.5 4 mm²			
stranded	0.5 4 mm²			
 finely stranded with core end processing 	0.5 2.5 mm ²			
 finely stranded without core end processing 	0.5 2.5 mm ²			
connectable conductor cross-section for auxiliary contacts				
solid or stranded	0.5 4 mm²			
 finely stranded with core end processing 	0.5 2.5 mm²			
 finely stranded without core end processing 	0.5 2.5 mm²			
type of connectable conductor cross-sections				
 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 without core end processing 	2x (0.5 2.5 mm ²)			
 for AWG cables for auxiliary contacts 	2x (20 12)			
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			
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	IP20			
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front			
suitability for use				
 safety-related switching OFF 	Yes			
Certificates/ approvals				
General Product Approval				

		<u>Confirmation</u>		<u>KC</u>	EHC	
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Conform	nity	Test Certificates		
RCM	<u>Type Examination Cer-</u> tificate	UK CA	CE EG-Konf.	<u>Type Test Certific-</u> ates/Test Report	Special Test Certific- ate	
Marine / Shipping						
ABS	BUREAU VERITAS		Llovd's Register us	PRS	RINA	
Marine / Shipping	other		Railway	Dangerous Good	Environment	
RMRS	<u>Confirmation</u>	UDE VDE	<u>Vibration and Shock</u>	Transport Information	Environmental Con- firmations	
Further information						
Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging https://support.industry.siemens.com/cs/ww/en/view/109813875 Information- and Downloadcenter (Catalogs, Brochures,) https://www.siemens.com/ic10 Industry Mall (Online ordering system)						

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2WB42

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2WB4

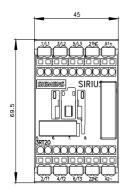
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2WB42&lang=en

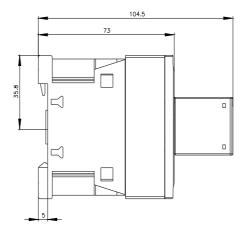
Characteristic: Tripping characteristics, I2t, Let-through current

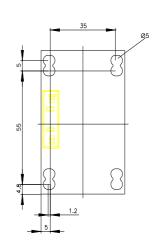
https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2WB42/char

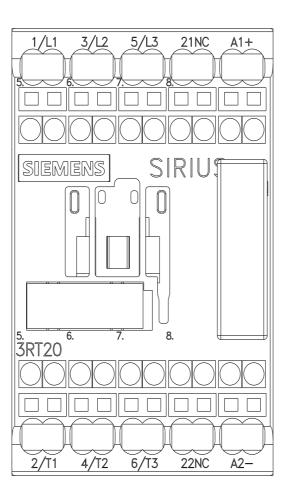
Further characteristics (e.g. electrical endurance, switching frequency)

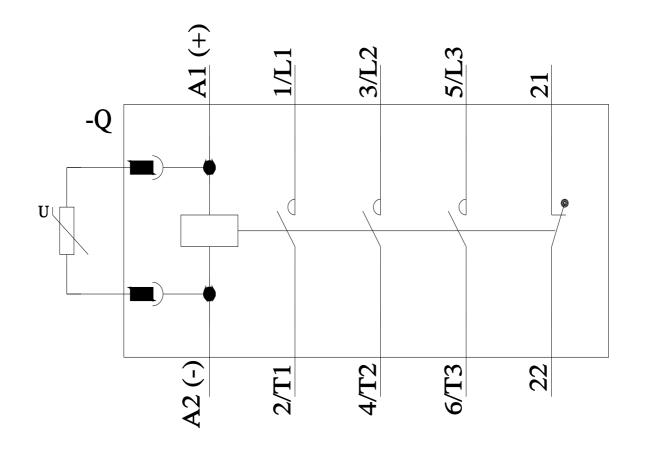
http://www.automation.siem ens.com/bilddb/index.aspx?view= arch&mlfb











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