SIEMENS

Data sheet

3RT2015-2JB41-Z X95



power contactor, AC-3e/AC-3, 7 A, 3 kW / 400 V, 3-pole, 24 V DC, 0.7-1.25* Us, with integrated diode, auxiliary contacts: 1 NO, spring-loaded terminal, size: S00, suitable for PLC outputs, not expandable with auxiliary switch , reusable packaging, pack = 120 units

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 	2.8 W
type of calculation of power loss depending on pole	quadratic
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
SVHC substance name	Lead - 7439-92-1
Weight	0.315 kg
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

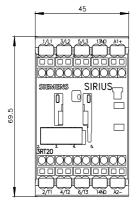
a at AC 20 rated value maximum	690 V
at AC-3e rated value maximum	090 V
operational current o at AC-1 at 400 V at ambient temperature 40 °C rated	18 A
value ● at AC-1	
 at AC-1 — up to 690 V at ambient temperature 40 °C rated 	18 A
value	
— up to 690 V at ambient temperature 60 °C rated value	16 A
• 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	2.5 mm ²
value 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 24 v rated value — at 60 V rated value	0.35 A
	0.00 A
 with 2 current paths in series at DC-3 at DC-5 	

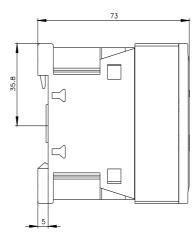
- at 24 V read value - at 20 V read value - at 24 V read value 15 A - at 24 V read value 15 A - at 24 V read value 16 A - at 240 V read value 3 W - at 250 V read value 3 W - at 250 V read value 4 W - at 250 V read value 4 W - at 250 V read value - at 250 V r		
	— at 24 V rated value	15 A
• with 3 current paths in series at DC-3 at DC-3·- at 24 V rinds value15 A- at 20 V rinds value15 A- at 20 V rinds value0.14 A- at 20 V rinds value0.15 KW- at 20 V rinds value1.5 KW- at 20 V rinds value0.15 KW- at 20 V rinds value1.5 KW- at 20 V rinds value2.7 KW- at 20 V for current pask value m-20 rinds value3. KW- at 20 V for current pask value m-20 rinds value3. KW- at 20		
		0.25 A
- at 50 V rated value 5 A - at 110 V rated value 5 A - at 220 V rated value 0.14 A - at 440 V rated value 0.14 A - at 640 V rated value 0.15 KW - at 640 V rated value 0.15 KW - at 640 V rated value 0.15 KW - at 640 V rated value 0.16 KW - at 650 V rated value 1.16 KW - at 650 V rated value 1.16 KW - at 650 V rated value 1.16 KW - at 650 V freet value 1.16 KW - at 650 V freet value 1.16 KW - at 650 V freet value 1.5 KW - at 650 V freet value 1.5 KW - at 650 V freet value 1.6 KW - at 650 V freet value	-	
operating power if AC-2 at 400 V rated value if AC-2 at 400 V rated value -30 rated value if AC-2 at 400 V rated value		
at AC2 at 400 V rated value 3 kW at AC23 - at 400 V rated value 3 kW - at 400 V rated value 3 kW - at 600 V rated value 3 kW - at 600 V rated value 3 kW - at 600 V rated value 4 kW - at 600 V rated value 1.5 kW - at 600 V rated value 1.5 kW - at 600 V rated value 3 kW - at 600 V rated value 4 kW - at 600 V rated value 1.5 kW - at 600 V rated value 3.8 kVA - up to 500 V for current pack value n=20 rated value 2.7 kVA - up to 500 V for current pack value n=20 rated value 3.8 kVA - up to 500 V for current pack value n=20 rated value 1.8 kVA - up to 500 V for current pack value n=20 rated value 2.8 kVA - up to 500 V for current pack value n=20 rated value 2.8 kVA - up to 500		0.14 A
AAC-3		
		3 kW
• at AC.3e - - at 230 V rated value 1.5 kW - at 600 V rated value 3 kW - at 600 V rated value 1.15 kW - at 600 V rated value 1.5 kW - at 600 V rated value 3.16 kW - at 600 V rated value 1.5 kW - opt 10 230 V for current pack value n=20 rated value 3.16 kW - up to 500 V for current pack value n=20 rated value 3.16 kW - up to 500 V for current pack value n=20 rated value 3.16 kW - up to 500 V for current pack value n=20 rated value 3.16 kW - up to 500 V for current pack value n=30 rated value 1.8 kW - up to 500 V for current pack value n=30 rated value 1.8 kW - up to 500 V for current pack value n=30 rated value 2.8 kW - up to 500 V for current pack value n=30 rated value 2.8 kW - up to 500 V for current pack value n=30 rated value 1.8 kW - up to 500 V for current pack value n=30 rated value 2.8 kW - up to 500 V for current pack value n=30 rated value 2.8 kW <td< td=""><td></td><td></td></td<>		
		4 kW
→ at 690 V rated value 4 kW operating power for approx. 20000 operating cycles at AC- at 400 V rated value 1.15 kW at 600 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 kW op 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 3.3 kVA up to 500 V for current peak value n=20 rated value 3.4 kVA op to 500 V for current peak value n=20 rated value 4.8 kVA up to 500 V for current peak value n=20 rated value 1.8 kVA up to 500 V for current peak value n=30 rated value 2.8 kVA op to 600 V for current peak value n=30 rated value 2.8 kVA op to 600 V for current peak value n=30 rated value 2.8 kVA op to 600 V for current peak value n=30 rated value 2.8 kVA op to 600 V for current maximum 100 A. Use minimum cross-section acc. to AC-1 rated value 1000 t/h at AC-1 maximum 1000 t/h at AC-1 maximum 1000 t/h at AC-1 maximum at AC-3 maximum at AC-1 maximum at AC-1 maximum at AC-3 maximum at AC-1 maximum at AC-3 maximum at AC-1 maximum a		
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		4 kW
• 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 660 V for current peak value n=20 rated value 3.3 kVA • up to 660 V for current peak value n=20 rated value 4.3 kVA • up to 660 V for current peak value n=20 rated value 4.3 kVA • up to 660 V for current peak value n=30 rated value 4.3 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.9 kVA • up to 600 V for current peak value n=30 rated value 2.9 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30 rated value 2.8 kVA • up to 600 V for current peak value n=30		
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• up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 200 V for current peak value n=30 rated value • up to 200 V for current peak value n=30 rated value • up to 400 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 500 V for current peak value n=30 rated value 2 z kVA • up to 15 s switching at zero current maximum • limited to 1 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 s switching at zero current maximum • limited to 10 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 60 s switching at zero current maximum • l		
• 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 short-time withstand current in cold operating state up to 40 °C 2.9 kVA • up to 500 V for current maximum 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 10 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 • limited to 60 s switching at zero current maximum 43 k; 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 DC 10 000 1/h operating frequency • • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h		
operating apparent power at AC-6a 1 kVA • up to 5230 V for current peak value n=30 rated value 1 kVA • up to 500 V for current peak value n=30 rated value 2 kVA • up to 500 V for current peak value n=30 rated value 2 kVA short-time withstand current in cold operating state up to 40 °C 2 kVA short-time withstand current in cold operating state up to 40 °C 20 kVA short-time withstand current in cold operating state up to 40 °C 6 k; 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 5 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 43 A; Use minimum cross-section acc. to AC-1 rated value • at AC-1 maximum 10000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 250 1/h		
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• 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 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 5 s switching at zero current maximum 86 A; Use minimum cross-section acc. to AC-1 rated value • limited to 10 s switching at zero current maximum 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 • 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 10 000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum		1 1/1/4
• 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 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 5 s switching at zero current maximum 86 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 50 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 43 A; Use minimum cross-section acc. to AC-1 rated value • at DC 10 000 1/h operating frequency • at AC-1 maximum • at AC-3 maximum 1000 1/h • at AC-3 maximum 750 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-3 maximum 250 1/h • at AC-4 maximum 250 1/h • at AC-1 maximum 24 V operating range factor control supply voltage<		
• 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		
short-time withstand current in cold operating state up to 40 °C ilmited to 1 s switching at zero current maximum ilmited to 5 s switching at zero current maximum 120 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 5 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 10 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 60 s switching at zero current maximum 43 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 0 000 1/h e at AC-1 maximum 1 000 1/h e at AC-1 maximum 1 000 1/h e at AC-1 maximum 1 000 1/h e at AC-3 maximum 750 1/h e at AC-4 maximum 250 1/h Control circuit/ Control Use point full scale value type of voltage of the control supply voltage rated value of magnet coil at DC 0.7 e full-scale value 0.7 e intil value 0.7 e full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W <		
40 °C ilmited to 1 s switching at zero current maximum 120 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 5 s switching at zero current maximum 66 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 10 s switching at zero current maximum 67 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 60 s switching at zero current maximum 52 A; Use minimum cross-section acc. to AC-1 rated value ilmited to 60 s switching at zero current maximum 43 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 0 000 1/h e at DC 10 000 1/h operating frequency 10 000 1/h e at AC-2 maximum 750 1/h e at AC-3 maximum 750 1/h e at AC-3 maximum 250 1/h control circuit/ control 250 1/h type of voltage of the control supply voltage DC control supply voltage at DC rated value of 24 V operating range factor control supply voltage rated value of 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W		2.3 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 60 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 frequency1000 1/h• at AC-1 maximum750 1/h• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Control24 Vtype of voltage of the control supply voltageDCcontrol supply voltage at DC rated value0.7• initial value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W		
• 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 43 A; Use minimum cross-section acc. to AC-1 rated value no-load switching frequency 43 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-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h Control circuit/ Control Use parting range factor control supply voltage type of voltage of the control supply voltage rated value of magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	 limited to 1 s switching at zero current maximum 	120 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 valueno-load switching frequency10 000 1/h• at DC10 000 1/hoperating frequency1 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-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Control250 1/hControl circuit/ Control supply voltageDCcontrol supply voltage at DC rated value24 Voperating factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	 limited to 5 s switching at zero current maximum 	86 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 valueno-load switching frequency10 000 1/h• at DC10 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 maximum24 V• operating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• initial value0.7• full-scale value1.25design of the surge suppressor closing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	-	67 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 valueno-load switching frequency10 000 1/h• at DC10 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 maximum24 V• operating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• initial value0.7• full-scale value1.25design of the surge suppressor closing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	 limited to 30 s switching at zero current maximum 	52 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency10 000 1/hoperating frequency10000 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 maximum750 1/h• at AC-3 maximum250 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCtype of voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	-	43 A; Use minimum cross-section acc. to AC-1 rated value
• at DC10 000 1/hoperating frequency		
• 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-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCControl supply voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W		10 000 1/h
• at AC-2 maximum750 1/h• at AC-3 maximum750 1/h• at AC-3e maximum750 1/h• at AC-4 maximum250 1/h• at AC-4 maximum250 1/hControl circuit/ Control250 1/hcontrol supply voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 W	operating frequency	
• at AC-3 maximum750 1/h• at AC-3 maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCtype of voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	• at AC-1 maximum	1 000 1/h
• at AC-3e maximum750 1/h• at AC-4 maximum250 1/hControl circuit/ ControlDCtype of voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	• at AC-2 maximum	750 1/h
• at AC-4 maximum250 1/hControl circuit/ Controltype of voltage of the control supply voltageDCcontrol supply voltage at DC rated value24 Voperating range factor control supply voltage rated value of magnet coil at DC0.7• initial value0.7• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	• at AC-3 maximum	750 1/h
Control circuit/ Control type of voltage of the control supply voltage DC control supply voltage at DC rated value 24 V operating range factor control supply voltage rated value of magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	• at AC-3e maximum	750 1/h
type of voltage of the control supply voltage DC control supply voltage at DC rated value 24 V operating range factor control supply voltage rated value of magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	• at AC-4 maximum	250 1/h
control supply voltage at DC rated value 24 V operating range factor control supply voltage rated value of magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	Control circuit/ Control	
operating range factor control supply voltage rated value of magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	type of voltage of the control supply voltage	DC
magnet coil at DC 0.7 • initial value 0.7 • full-scale value 1.25 design of the surge suppressor diode closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	control supply voltage at DC rated value	24 V
• full-scale value1.25design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W		
design of the surge suppressordiodeclosing power of magnet coil at DC2.8 Wholding power of magnet coil at DC2.8 W	• initial value	0.7
closing power of magnet coil at DC 2.8 W holding power of magnet coil at DC 2.8 W	• full-scale value	1.25
holding power of magnet coil at DC 2.8 W	design of the surge suppressor	diode
		2.8 W
closing delay	closing power of magnet coil at DC	

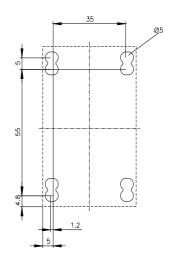
• at DC	25 130 ms
opening delay	22. 25
• at DC	38 65 ms
arcing time	10 15 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NO contacts for auxiliary contacts instantaneous contact	1
operational current at AC-12 maximum	10 A
operational current at AC-15	
 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 miniature circuit breaker for short-circuit protection	C characteristic: 10 A; 0.4 kA
of the auxiliary circuit up to 230 V design of the fuse link	
-	
 for short-circuit protection of the main circuit — with type of coordination 1 required 	aG: 354 (600)/ 100k4) aM: 204 (600)/ 100k4) BS00. 254 (415)/ 00k4)
	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA) gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)
 with type of assignment 2 required for short-circuit protection of the auxiliary switch required 	gG: 10 A (500 V, 100kA), alvi. 16A (690 V, 100kA), BS88. 20A (415V, 80kA) gG: 10 A (500 V, 1 kA)
Installation/ mounting/ dimensions	90. 10 A (000 V, 11A)
	+/ 180° rotation possible on vortical mounting surfaces can be tilted forward and
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method side-by-side mounting	Yes
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	70 mm
width	45 mm
depth	73 mm

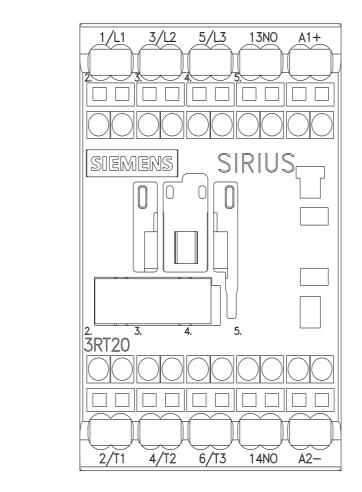
required spacing	
 with side-by-side mounting 	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
 for grounded parts 	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	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 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 mm ²)
for AWG cables for main contacts	2x (20 12)
connectable conductor cross-section for main contacts	
• solid	0.5 4 mm²
• stranded	0.5 4 mm²
 finely stranded with core end processing 	0.5 2.5 mm ²
 finely stranded without core end processing 	0.5 2.5 mm²
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 	No
 positively driven operation according to IEC 60947-5-1 	No
suitable for safety function	Yes
suitability for use safety-related switching OFF	Yes
service life maximum	20 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	73 %
B10 value with high demand rate according to SN 31920	1 000 000
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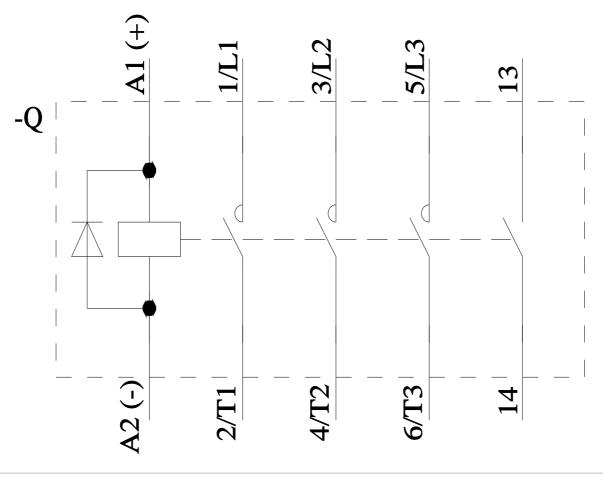
31920		
ISO 13849		
device type according to ISO 13849-1	3	
overdimensioning according to ISO 13849-2 necessary	Yes	
IEC 61508		
safety device type according to IEC 61508-2	Туре А	
Electrical Safety		
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	
Further information		
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) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2015-2JB41-Z X95 Cax online generator http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2015-2JB41-Z X95 Service&Support (Manuals, Certificates, Characteristics, FAQs,) https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2JB41-Z X95 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2015-2JB41-Z X95⟨=en Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RT2015-2JB41-Z X95/char Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2015-2JB41-Z X95&objecttype=14&gridview=view1		











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