SIEMENS

Data sheet

3RT2018-1FB44-3MA0



CONTACTOR, AC-3, 7.5KW/400V, 2NO+2NC, DC 24V, W. INTEGRATED DIODE 3-POLE, SZ S00 SCREW TERMINAL PERMANENT AUX. SWITCH

product brand name	SIRIUS	
Product designation	3RT2 contactor	
General technical data:		
Insulation voltage		

General technical data:		
Insulation voltage		
Rated value	V	690
Degree of pollution		3
Surge voltage resistance Rated value	kV	6
Mechanical service life (switching cycles)		
 of the contactor typical 		10 000 000
 of the contactor with added electronics- compatible auxiliary switch block typical 		5 000 000
 of the contactor with added auxiliary switch block typical 		10 000 000
Thermal short-time current restricted to 10 s	Α	128
Protection class IP		
• on the front		IP20
• of the terminal		IP20
Equipment marking		
● acc. to DIN EN 61346-2		Q
• acc. to DIN EN 81346-2		Q

Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
Number of NO contacts for main contacts	3
Operating voltage	

Operating current • at AC-1 — at 400 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 990 V at ambient temperature 60 °C Rated value — up to 990 V at ambient temperature 60 °C Rated value • at AC-3 — at 400 V Rated value • at AC-3 — at 500 V Rated value — at 500 V Rated value — at 690 V Rated value — at 690 V Rated value — at 6400 V Rated value — at 6400 V Rated value — at 24 V Rated value — at 110 V Rated value — at 440 V Rated value — at 440 V Rated value — at 440 V Rated value — at 110 V Rated value — at 600 V Rated value — at 70 V Rated Value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 600 V Rated value	 at AC-3 Rated value maximum 	V	690
	Operating current		
Rated value — up to 690 V at ambient temperature 40 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value A 16 • at AC-3 at 400 V Rated value A 12.4 — at 690 V Rated value A 12.4 — at 690 V Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 2.1 — at 220 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 220 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 0.7 • at 20 V Rated value A 0.8 - at 110 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-3 — at 24 V Rated value A 0.8 — at 20 V Rated value A 0.8 — at 20 V Rated value A 0.7 • at 24 V Rated value A 0.8 — at 24 V Rated value A 0.7 • at 10 V Rated value A 0.8 — at 24 V Rated value A 0.8 — at 24 V Rated value A 0.7 • at 110 V Rated value A 0.95 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 24 V	• at AC-1		
Rated value — up to 690 V at ambient temperature 60 °C Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 500 V Rated value — at 500 V Rated value — at 690 V Rated value — at 690 V Rated value — at AC-3 at 400 V Rated value — at AC-4 at 400 V Rated value — at AC-4 at 400 V Rated value — at DC-1 — at 24 V Rated value — at 110 V Rated value — at 440 V Rated value — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 24 V Rated value — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 20 V Rated value — at 600 V Rated value — at 20 V Rated value — at 21 V Rated value — at 22 V Rated value — at 24 V Rated value — at 20 V Ra		Α	22
Rated value • at AC-2 at 400 V Rated value • at AC-3 — at 400 V Rated value — at 500 V Rated value — at 690 V Rated value — at 690 V Rated value • at AC-4 at 400 V Rated value • at AC-4 at 400 V Rated value • at DC-1 — at 24 V Rated value — at 110 V Rated value — at 110 V Rated value — at 110 V Rated value — at 20 V Rated value — at 20 V Rated value — at 20 V Rated value — at 440 V Rated value — at 400 V Rated value — at 100 V Rated value — at 100 V Rated value — at 20 V Rated value — at 110 V Rated value — at 22 V Rated value — at 24 V Rated value — at 24 V Rated value — at 20 V Rated value — at 24 V Rated value — at 20 V Rat		A	22
• at AC-3		A	20
- at 400 V Rated value	• at AC-2 at 400 V Rated value	Α	16
— at 500 V Rated value — at 690 V Rated value A 8.9 • at AC-4 at 400 V Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 2.1 — at 220 V Rated value A 0.6 — at 600 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 0.6 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 1.6 — at 440 V Rated value A 1.6 — at 440 V Rated value A 1.6 — at 110 V Rated value A 1.6 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 1.6 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 0.35 — at 24 V Rated value A 0.0 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 0.35 — at 20 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20	• at AC-3		
— at 690 V Rated value A 8.9 • at AC-4 at 400 V Rated value A 11.5 Operating current with 1 current path • at DC-1 — at 24 V Rated value A 2.1 — at 110 V Rated value A 0.8 — at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 220 V Rated value A 1.6 — at 440 V Rated value A 20 — at 110 V Rated value A 1.6 — at 220 V Rated value A 1.6 — at 440 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 220 V Rated value A 20 Operating current with 3 current paths in series	— at 400 V Rated value	Α	16
◆ at AC-4 at 400 V Rated value A 11.5 Operating current with 1 current path ◆ at DC-1 — at 24 V Rated value	— at 500 V Rated value	Α	12.4
Operating current with 1 current path • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 2.1 — at 220 V Rated value A 0.8 — at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — 20 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — — at 24 V Rated value A 20 — at 110 V Rated value A 1.6 — at 220 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 A 20 Operating current with 3 current paths in series • at DC-1 A 20 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 A 20 — at 220 V Rated value A	— at 690 V Rated value	Α	8.9
• at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 220 V Rated value — at 440 V Rated value — at 600 V Rated value — at 600 V Rated value — at 110 V Rated value — at 24 V Rated value — at 110 V Rated value — at 20 — at 24 V Rated value — at 20 V Rated value — at 20 V Rated value — at 320 V Rated value — at 440 V Rated value — at 400 V Rated value — at 400 V Rated value — at 320 V Rated value	• at AC-4 at 400 V Rated value	Α	11.5
at 24 V Rated value	Operating current with 1 current path		
	• at DC-1		
— at 220 V Rated value — at 440 V Rated value A 0.6 — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 1.6 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.8 — at 400 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 0.20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20	— at 24 V Rated value	Α	20
— at 440 V Rated value — at 600 V Rated value A 0.6 • at DC-3 at DC-5 — at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 — at 24 V Rated value A 0.1 Operating V Rated value A 1.6 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 0.07 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20	— at 110 V Rated value	Α	2.1
- at 600 V Rated value • at DC-3 at DC-5 - at 24 V Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 - at 24 V Rated value A - at 110 V Rated value A - at 110 V Rated value A - at 20 - at 110 V Rated value A - at 20 V Rated value A - at 440 V Rated value A - at 600 V Rated value A • at DC-3 at DC-5 - at 110 V Rated value A - at 24 V Rated value A Operating current with 3 current paths in series • at DC-1 - at 24 V Rated value A - at 20 Operating current with 3 current paths in series • at DC-1 - at 24 V Rated value A - at 20 - at 110 V Rated value A - at 20 - at 110 V Rated value A 20 - at 220 V Rated value A 20 - at 220 V Rated value A 20 - at 220 V Rated value A 20	— at 220 V Rated value	Α	0.8
at DC-3 at DC-5 — at 24 V Rated value — at 110 V Rated value A Operating current with 2 current paths in series at DC-1 — at 24 V Rated value A — at 110 V Rated value A — at 220 V Rated value A — at 440 V Rated value A — at 600 V Rated value A at DC-3 at DC-5 A — at 110 V Rated value A O.7 at DC-3 at DC-5 At DC-4 At DC-3 at DC-5 At DC-5 At DC-5 At DC-1 At 24 V Rated value A Operating current with 3 current paths in series at DC-1 At 20 At 20 Operating current with 3 current paths in series at DC-1 At 24 V Rated value A A A A A A A A A A A A A	— at 440 V Rated value	Α	0.6
at 24 ∨ Rated value at 110 ∨ Rated value A 0.1 Operating current with 2 current paths in series • at DC-1 at 24 ∨ Rated value A 12 at 110 ∨ Rated value A 1.6 at 440 ∨ Rated value A 0.8 at 600 ∨ Rated value A 0.7 • at DC-3 at DC-5 at 110 ∨ Rated value A 0.35 at 24 ∨ Rated value A 0.00 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 Operating current with 3 current paths in series • at DC-1 at 24 ∨ Rated value A 20 at 220 ∨ Rated value A 20	— at 600 V Rated value	Α	0.6
— at 110 V Rated value A 0.1 Operating current with 2 current paths in series ● at DC-1 — at 24 V Rated value A 12 — at 110 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 ● at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 24 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20	• at DC-3 at DC-5		
Operating current with 2 current paths in series ● at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 ● at DC-3 at DC-5 — at 110 V Rated value A 20 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20	— at 24 V Rated value	Α	20
• at DC-1 — at 24 V Rated value — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value • at DC-3 at DC-5 — at 110 V Rated value A 0.35 — at 24 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20	— at 110 V Rated value	Α	0.1
— at 24 V Rated value A 20 — at 110 V Rated value A 12 — at 220 V Rated value A 1.6 — at 440 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — — — at 110 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — A 20 — at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20	Operating current with 2 current paths in series		
 — at 110 V Rated value — at 220 V Rated value — at 440 V Rated value — at 600 V Rated value — at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series ■ at DC-1 — at 24 V Rated value — at 20 V Rated value — at 20 V Rated value — at 220 V Rated value 	• at DC-1		
 — at 220 V Rated value — at 440 V Rated value — at 600 V Rated value A 0.8 — at 600 V Rated value A 0.7 • at DC-3 at DC-5 — at 110 V Rated value A 20 Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value A 20 — at 110 V Rated value — at 220 V Rated value A 20 — at 220 V Rated value A 20 	— at 24 V Rated value	Α	20
 — at 440 V Rated value — at 600 V Rated value ■ at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series ■ at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value 	— at 110 V Rated value	Α	12
 — at 600 V Rated value ♠ at DC-3 at DC-5 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series ♠ at DC-1 — at 24 V Rated value — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value A 20 — at 220 V Rated value 	— at 220 V Rated value	Α	1.6
 at DC-3 at DC-5 at 110 V Rated value at 24 V Rated value Operating current with 3 current paths in series at DC-1 at 24 V Rated value at 110 V Rated value at 220 V Rated value A 20 A 20	— at 440 V Rated value	Α	0.8
 — at 110 V Rated value — at 24 V Rated value A 20 Operating current with 3 current paths in series at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value A 20 — at 220 V Rated value A 20 	— at 600 V Rated value	Α	0.7
 — at 24 V Rated value A 20 Operating current with 3 current paths in series ● at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value A 20 — at 220 V Rated value A 20 	• at DC-3 at DC-5		
Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value A 20 — at 220 V Rated value A 20 — at 220 V Rated value A 20	— at 110 V Rated value	Α	0.35
● at DC-1 — at 24 V Rated value — at 110 V Rated value — at 220 V Rated value A 20 — at 220 V Rated value A 20	— at 24 V Rated value	Α	20
— at 24 V Rated value A 20 — at 110 V Rated value A 20 — at 220 V Rated value A 20	Operating current with 3 current paths in series		
 — at 110 V Rated value — at 220 V Rated value A 20 A 20 	• at DC-1		
— at 220 V Rated value A 20	— at 24 V Rated value	Α	20
	— at 110 V Rated value	Α	20
— at 440 V Rated value A 1.3	— at 220 V Rated value	Α	20
	— at 440 V Rated value	Α	1.3
— at 600 V Rated value A 1	— at 600 V Rated value	Α	1

• at DC-3 at DC-5		
— at 110 V Rated value	Α	20
— at 220 V Rated value	Α	1.5
— at 24 V Rated value	Α	20
— at 440 V Rated value	Α	0.2
— at 600 V Rated value	Α	0.2
Operating power		
● at AC-1 at 400 V Rated value	kW	13
• at AC-2 at 400 V Rated value	kW	7.5
• at AC-4 at 400 V Rated value	kW	5.5
Operating power		
• at AC-1		
— at 230 V at 60 °C Rated value	kW	7.5
— at 230 V Rated value	kW	7.5
— at 400 V at 60 °C Rated value	kW	13
— at 690 V at 60 °C Rated value	kW	22
— at 690 V Rated value	kW	22
• at AC-3		
— at 230 V Rated value	kW	4
— at 400 V Rated value	kW	7.5
— at 690 V Rated value	kW	7.5
Operating power for ≥ 200000 operating cycles at		
AC-4		
• at 400 V Rated value	kW	2.5
• at 690 V Rated value	kW	3.5
Operating frequency		
• at AC-3 maximum	1/h	750
Control circuit/ Control:		
Type of voltage of the control supply voltage		DC
Control supply voltage for DC		
Rated value	V	24
Operating range factor control supply voltage rated value of the magnet coil for DC		0.8 1.1
Design of the surge suppressor		with diode
Closing power of the magnet coil for DC	W	4
Holding power of the magnet coil for DC	W	4
Auxiliary circuit:		
Number of NC contacts		
for auxiliary contacts		
— instantaneous contact		2
Number of NO contacts		

 for auxiliary contacts 		
 instantaneous contact 		2
Product expansion Auxiliary switch		No
Operating current at AC-15		
• at 230 V Rated value	Α	6
• at 400 V Rated value	Α	3
• at 690 V Rated value	Α	1
Operating current		
• at DC-12 at 125 V Rated value	Α	2
• at DC-12 at 220 V Rated value	Α	1
• at DC-12 at 600 V Rated value	Α	0.15
• at DC-13 at 125 V Rated value	Α	0.9
• at DC-13 at 220 V Rated value	Α	0.3
• at DC-13 at 600 V Rated value	Α	0.1
Operating current		
• at DC-12		
— at 60 V Rated value	Α	6
— at 110 V Rated value	Α	3
• at DC-13		
— at 24 V Rated value	Α	6
— at 60 V Rated value	Α	2
— at 110 V Rated value	Α	1
Contact reliability of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
JL/CSA ratings:		
Full-load current (FLA) for three-phase AC motor		
● at 480 V Rated value	Α	14
• at 600 V Rated value	Α	11
yielded mechanical performance [hp]		
• for single-phase AC motor at 110/120 V Rated	metric	1
value	hp	
• for single-phase AC motor at 230 V Rated	metric	2
value	hp	
 for three-phase AC motor at 200/208 V Rated value 	metric hp	3
 for three-phase AC motor at 220/230 V Rated value 	metric	5
value	hp	

Short-circuit:

value

• for three-phase AC motor at 575/600 V Rated

Contact rating of the auxiliary contacts acc. to UL

10

A600 / Q600

hp

metric hp

Design of the fuse link

- for short-circuit protection of the main circuit
 - with type of assignment 1 required
 - with type of assignment 2 required

• for short-circuit protection of the auxiliary switch required

gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 20 A

fuse gL/gG: 10 A

mounting position		+/-180° rotation possible on vertical mounting
		surface; can be tilted forward and backward by +/-
		22.5° on vertical mounting surface
Mounting type		screw and snap-on mounting onto 35 mm standard
		mounting rail according to DIN EN 50022
 Side-by-side mounting 		Yes
Height	mm	57.5
Width	mm	45
Depth	mm	117
Required spacing		
with side-by-side mounting		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	0
• for grounded parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— at the side	mm	6
— downwards	mm	0
• for live parts		
— forwards	mm	0
— Backwards	mm	0
— upwards	mm	0
— downwards	mm	0
— at the side	mm	6

Connections/ Terminals:	
Type of electrical connection	
• for main current circuit	screw-type terminals
 for auxiliary and control current circuit 	screw-type terminals
Type of connectable conductor cross-section	

2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
2x (20 16), 2x (18 14), 2x 12
2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²
2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
2x (20 16), 2x (18 14), 2x 12

Safety related data:		
B10 value with high demand rate acc. to SN 31920		1 000 000
Proportion of dangerous failures		
with low demand rate acc. to SN 31920	%	40
• with high demand rate acc. to SN 31920	%	73
Failure rate [FIT] with low demand rate acc. to SN	FIT	100
31920		
Product function Mirror contact acc. to IEC 60947-4-1		Yes
T1 value for proof test interval or service life acc. to	у	20
IEC 61508		
Protection against electrical shock		finger-safe
-		
Mechanical data:		
Mechanical data: Size of contactor		S00
Size of contactor	m	
Size of contactor Ambient conditions:	m	S00
Size of contactor Ambient conditions: Installation altitude at height above sea level	m	S00
Size of contactor Ambient conditions: Installation altitude at height above sea level maximum	m °C	S00
Size of contactor Ambient conditions: Installation altitude at height above sea level maximum Ambient temperature		S00 2 000

Certificates/ approvals:

Functional Declaration of Test General Product Approval Safety/Safety Conformity Certificates of Machinery







Type Examination



Special Test Certificate

Shipping Approval









GL





Shipping Approval

other





Environmental Confirmations

Confirmation



Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrymall

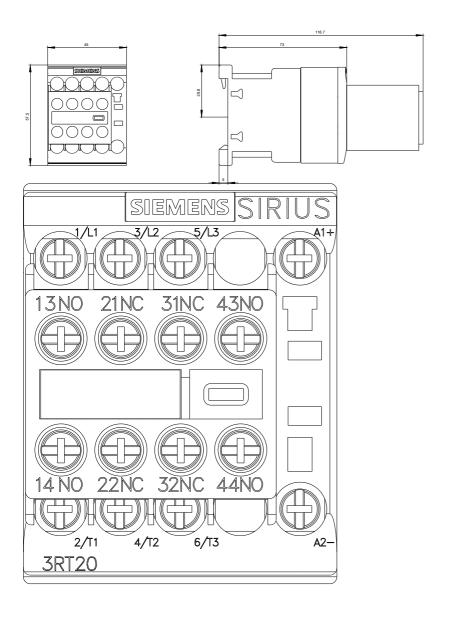
Cax online generator

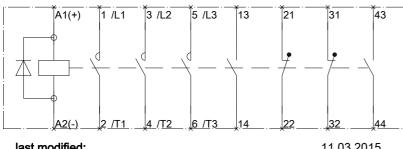
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20181FB443MA0

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

http://support.automation.siemens.com/WW/view/en/3RT20181FB443MA0/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20181FB443MA0&lang=en





last modified: 11.03.2015