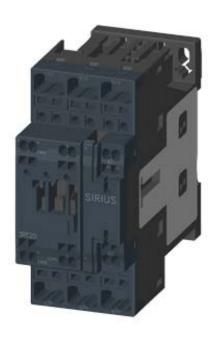
SIEMENS

Product data sheet 3RT2023-2AC20



CONTACTOR, AC-3, 4KW/400V, 1NO+1NC, AC 24V 50/60HZ, 3-POLE, SZ S0 SPRING-LOADED TERMINAL

General technical data:			
product brand name		SIRIUS	
Size of the contactor		S0	
Product extension			
auxiliary switch		Yes	
function module for communication		No	
Protection class IP / on the front		IP20	
Protection against electrical shock		finger-safe	
Degree of pollution		3	
Installation altitude / at a height over sea level / maximum	m	2,000	
Ambient temperature			
during storage	°C	-55 + 80	
during operating	°C	-25 +60	
Shock resistance			
at rectangular impulse			
• at AC		7,5g / 5 ms, 4,7g / 10 ms	
at sine pulse			
• at AC		11,8g / 5 ms, 7,4g / 10 ms	
Impulse voltage resistance / rated value	kV	6	
Insulation voltage / rated value	V	690	

Maximum permissible voltage for protective separation / between coil and main contacts / in accordance with EN 60947-1	V	400
Mechanical operating cycles as operating time		
of the contactor / typical		10,000,000
of the contactor with added auxiliary switch block / typical		10,000,000
 of the contactor with added electronics-compatible auxiliary switch block / typical 		5,000,000

Main circuit:		
Number of NC contacts / for main contacts		0
Number of NO contacts / for main contacts		3
Connectable conductor cross-section / in main circuit		
• at AC-1		
• at 40 °C / minimum permissible	mm²	10
• at 60 °C / minimum permissible	mm²	10
Operating current		
• at AC-1 / up to 690 V		
• at 40 °C ambient temperature / rated value	Α	40
• at 60 °C ambient temperature / rated value	Α	35
• at AC-2 / at 400 V / rated value	Α	9
• at AC-3		
• at 400 V / rated value	Α	9
• at 500 V / rated value	Α	9
• at 690 V / rated value	Α	9
• at AC-4 / at 400 V / rated value	Α	8.5
Operational current / for ≥ 200000 operating cycles / at AC-4		
• at 400 V / rated value	Α	4.1
• at 690 V / rated value	Α	3.3
Operating current		
• with 1 current path / at DC-1		
• at 24 V / rated value	Α	35
• at 110 V / rated value	Α	4.5
• at 220 V / rated value	Α	1
• at 440 V / rated value	Α	0.4
• at 600 V / rated value	Α	0.25
• with 2 current paths in series / at DC-1		
• at 24 V / rated value	Α	35
• at 110 V / rated value	Α	35
• at 220 V / rated value	Α	5
• at 440 V / rated value	Α	1
• at 600 V / rated value	Α	0.8

- with 3 current paths in series / at DC-1 - at 24 V / rated value - at 110 V / rated value - at 200 V / rated value - at 200 V / rated value - at 600 V / rated value - at 24 V / rated value - at 24 V / rated value - at 22 V / rated value - at 24 V / rated value - at 20 V / rated value - at 600			
- at 110 V / rated value	• with 3 current paths in series / at DC-1		
- at 220 V / rated value - at 460 V / rated value - at 600 V / rated value - at 600 V / rated value - at 110 V / rated value - at 410 V / rated value - at 410 V / rated value - at 440 V / rated value - at 440 V / rated value - at 420 V / rated value - at 420 V / rated value - at 440 V / rated value - at 420 V rated value - at 620 V / rated value - at 620 V / rated value - at 220 V / rated value - at 220 V / rated value - at 220 V / rated value - at 620 V / rated value - at 440 V / rated value - at 440 V / rated value - at 420 V / rated value - at 420 V / rated value - at 420 V / rated value - at 620 V / rated val	• at 24 V / rated value	Α	35
- at 440 V / rated value - at 600 V / rated value - with 1 current path / at DC-3 / at DC-5 - at 24 V / rated value - at 110 V / rated value - at 400 V / rated value - at 600 V / rated value - at 600 V / rated value - at 400 V / rated value	• at 110 V / rated value	Α	35
Operating current - with 1 current path / at DC-3 / at DC-5 - at 24 V / rated value	at 220 V / rated value	Α	35
Operating current • with 1 current path / at DC-3 / at DC-5 • at 24 V / rated value A 20 • at 220 V / rated value A 25 • at 220 V / rated value A 0.09 • at 600 V / rated value A 0.09 • at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5 A 15 • at 24 V / rated value A 3 • at 220 V / rated value A 0.27 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 A 35 • at 600 V / rated value A 35 • at 110 V / rated value A 35 • at 24 V / rated value A 35 • at 24 V / rated value A 35 • at 400 V / rated value A 0.6 • at AC-1 / at 230 V / rated value kW 13.3 • at AC-1 / at 800 V / rated value kW 4 • at AC-2 / at 400 V / rated value kW 4	at 440 V / rated value	Α	2.9
• with 1 current path / at DC-3 / at DC-5 • at 24 V / rated value A 20 • at 110 V / rated value A 2.5 • at 220 V / rated value A 1 • at 440 V / rated value A 0.09 • at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5 - • at 24 V / rated value A 35 • at 24 V / rated value A 3 • at 24 V / rated value A 0.16 • at 24 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 - - • at 600 V / rated value A 35 • at 24 V / rated value A 35 • at 24 V / rated value A 35 • at 24 V / rated value A 35 • at 24 V / rated value A 35 • at 250 V / rated value A 36 • at 400 V / rated value A 0.6 • at AC-1 / at 690 V / rated value kW 4 • at AC-2 - at 400 V / rated value kW 4 <t< td=""><td>at 600 V / rated value</td><td>Α</td><td>1.4</td></t<>	at 600 V / rated value	Α	1.4
- at 24 V / rated value - at 110 V / rated value - at 220 V / rated value - at 440 V / rated value - at 460 V / rated value - at 600 V / rated value - at 600 V / rated value - at 600 V / rated value - at 110 V / rated value - at 110 V / rated value - at 22 V / rated value - at 22 V / rated value - at 22 V / rated value - at 440 V / rated value - at 600 V / rated value - at 600 V / rated value - at 22 V / rated value - at 42 V / rated value - at 22 V / rated value - at 22 V / rated value - at 42 V / rated value - at 42 V / rated value - at 600 V / rated value - at 22 V / rated value - at 22 V / rated value - at 400 V / rated value - at 600 V / rated value - at AC-1 / at 230 V / rated value - at AC-1 / at 690 V / rated value - at AC-2 - at 400 V / rated value - at AC-3 - at 230 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at AC-4 - at 400 V / rated value - at 400 V / rated value - at AC-4 - at 400 V / rated value	Operating current		
• at 110 V / rated value A 2.5 • at 220 V / rated value A 1 • at 460 V / rated value A 0.09 • at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5	• with 1 current path / at DC-3 / at DC-5		
• at 220 V / rated value A 1 • at 440 V / rated value A 0.09 • at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5 - • at 24 V / rated value A 35 • at 110 V / rated value A 3 • at 220 V / rated value A 3 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 - - • at 220 V / rated value A 35 • at 110 V / rated value A 35 • at 1220 V / rated value A 36 • at 220 V / rated value A 35 • at 220 V / rated value A 0.6 • at 400 V / rated value A 0.6 • at AC-1 / at 230 V / rated value kW 23 • at AC-1 / at 690 V / rated value kW 4 • at AC-2 / at 400 V / rated value kW 4 • at 400 V / rated value kW 4 • at 690 V / rated value kW 4 • at 690 V / rated value kW 4 </td <td>• at 24 V / rated value</td> <td>Α</td> <td>20</td>	• at 24 V / rated value	Α	20
• at 440 V / rated value A 0.09 • at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5 - • at 224 V / rated value A 35 • at 110 V / rated value A 15 • at 220 V / rated value A 0.27 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 - - • at 220 V / rated value A 35 • at 170 V / rated value A 36 • at 220 V / rated value A 0.6 • at 440 V / rated value A 0.6 • at 600 V / rated value kW 23 • at AC-1 / at 230 V / rated value kW 23 • at AC-1 / at 690 V / rated value kW 4 • at AC-2 • at 400 V / rated value kW 4 • at 690 V / rated value kW 4 • at 600 V / rated value kW 4	• at 110 V / rated value	Α	2.5
• at 600 V / rated value A 0.06 • with 2 current paths in series / at DC-3 / at DC-5 - at 24 V / rated value A 35 • at 110 V / rated value A 15 • at 220 V / rated value A 3 • at 600 V / rated value A 0.27 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5	• at 220 V / rated value	Α	1
• with 2 current paths in series / at DC-3 / at DC-5 • at 24 V / rated value A 35 • at 110 V / rated value A 15 • at 220 V / rated value A 0.27 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 - at 24 V / rated value • at 24 V / rated value A 35 • at 110 V / rated value A 10 • at 440 V / rated value A 0.6 • at 600 V / rated value A 0.6 • at 600 V / rated value kW 13.3 • at AC-1 / at 230 V / rated value kW 23 • at AC-1 / at 690 V / rated value kW 40 • at AC-2 / • at 400 V / rated value kW 4 • at AC-3 / • at 230 V / rated value kW 4 • at AC-4 / • at 400 V / rated value kW 4 • at AC-4 / • at 400 V / rated value kW 4 • at AC-4 / • at 400 V / rated value kW 4 • at AC-4 / • at 400 V / rated value kW 4 • at AC-4 / • at 400 V / rated value kW 4	at 440 V / rated value	Α	0.09
• at 24 V / rated value A 35 • at 110 V / rated value A 15 • at 220 V / rated value A 0.27 • at 600 V / rated value A 0.16 • with 3 current paths in series / at DC-3 / at DC-5 - at 24 V / rated value A 35 • at 220 V / rated value A 35 • at 220 V / rated value A 10 • at 440 V / rated value A 0.6 • at 600 V / rated value A 0.6 • at AC-1 / at 230 V / rated value kW 23 • at AC-1 / at 400 V / rated value kW 40 • at AC-2 at 400 V / rated value kW 4 • at AC-3 kW 4 • at AC-3 kW 4 • at AC-4 kW 4 • at 400 V / rated value kW 7.5 • at AC-4 kW 4 • at 400 V / rated value kW 4 • at 400 V / rated value kW 4 • at 400 V / rated value kW 4 • at 400 V / rated value kW 4	• at 600 V / rated value	Α	0.06
 at 110 V / rated value at 220 V / rated value at 440 V / rated value at 600 V / rated value with 3 current paths in series / at DC-3 / at DC-5 at 24 V / rated value at 110 V / rated value at 110 V / rated value at 220 V / rated value at 440 V / rated value at 440 V / rated value at 600 V / rated value at 600 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at AC-3 at 230 V / rated value at AC-3 at 230 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value kW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 at 400 V / rated value kW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 at 400 V / rated value kW 2 	• with 2 current paths in series / at DC-3 / at DC-5		
 at 220 V / rated value at 440 V / rated value at 600 V / rated value with 3 current paths in series / at DC-3 / at DC-5 at 24 V / rated value at 110 V / rated value at 110 V / rated value at 220 V / rated value at 220 V / rated value at 600 V / rated value at 600 V / rated value at 600 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 690 V / rated value at AC-1 / at 690 V / rated value at AC-3 at 400 V / rated value at AC-3 at 230 V / rated value at 400 V / rated value 	• at 24 V / rated value	Α	35
 at 440 V / rated value at 600 V / rated value with 3 current paths in series / at DC-3 / at DC-5 at 24 V / rated value at 110 V / rated value at 220 V / rated value at 440 V / rated value at 600 V / rated value at 600 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 690 V / rated value at AC-2 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at AC-3 / at 400 V / rated value at 400 V / rated value 	• at 110 V / rated value	Α	15
 • at 600 V / rated value • with 3 current paths in series / at DC-3 / at DC-5 • at 24 V / rated value • at 110 V / rated value • at 110 V / rated value • at 220 V / rated value • at 440 V / rated value • at 600 V / rated value • at 600 V / rated value • at AC-1 / at 230 V / rated value • at AC-1 / at 230 V / rated value • at AC-1 / at 690 V / rated value • at AC-2 • at 400 V / rated value • at AC-3 • at 230 V / rated value • at AC-3 • at 690 V / rated value • at AC-4 • at AC-4 • at AC-4 • at 400 V / rated value • kW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 • at 400 V / rated value • kW 4 	at 220 V / rated value	Α	3
 with 3 current paths in series / at DC-3 / at DC-5 at 24 V / rated value at 110 V / rated value at 220 V / rated value at 440 V / rated value at 600 V / rated value at 600 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 230 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at AC-3 at 230 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 400 V / rated value at 690 V / rated value at 690 V / rated value at 400 V / rated value 	• at 440 V / rated value	Α	0.27
• at 24 V / rated value A 35 • at 220 V / rated value A 10 • at 440 V / rated value A 0.6 • at 600 V / rated value A 0.6 Operating performance • at AC-1 / at 230 V / rated value kW 13.3 • at AC-1 / at 690 V / rated value kW 40 • at AC-2 at 400 V / rated value kW 4 • at AC-3 kW 4 • at 400 V / rated value kW 2.2 • at 400 V / rated value kW 4 • at 690 V / rated value kW 7.5 • at AC-4 at 400 V / rated value kW 4 • at 400 V / rated value kW 4	• at 600 V / rated value	Α	0.16
 at 110 V / rated value at 220 V / rated value at 440 V / rated value at 600 V / rated value A 0.6 Operating performance at AC-1 / at 230 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at AC-3 at 230 V / rated value at AC-3 at 230 V / rated value at 600 V / rated value at 400 V / rated value at 690 V / rated value at 400 V / rated value 	• with 3 current paths in series / at DC-3 / at DC-5		
 at 220 V / rated value at 440 V / rated value A 0.6 at 600 V / rated value A 0.6 Operating performance at AC-1 / at 230 V / rated value bt AC-1 / at 690 V / rated value ct AC-1 / at 690 V / rated value ct AC-2 ct 400 V / rated value ct AC-3 ct 230 V / rated value ct AC-3 ct 400 V / rated value ct 400 V / rated value ct 400 V / rated value dt 400 V / rated value 	• at 24 V / rated value	Α	35
 at 440 V / rated value at 600 V / rated value A 0.6 Operating performance at AC-1 / at 230 V / rated value at AC-1 / at 400 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at 230 V / rated value at 230 V / rated value at 400 V / rated value 	• at 110 V / rated value	Α	35
• at 600 V / rated value A 0.6 Operating performance • at AC-1 / at 230 V / rated value kW 13.3 • at AC-1 / at 400 V / rated value kW 23 • at AC-1 / at 690 V / rated value kW 40 • at 400 V / rated value kW 4 • at 230 V / rated value kW 2.2 • at 400 V / rated value kW 4 • at 690 V / rated value kW 7.5 • at AC-4 • at 400 V / rated value kW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 • at 400 V / rated value kW 2	• at 220 V / rated value	Α	10
Operating performance kW 13.3 • at AC-1 / at 400 V / rated value kW 23 • at AC-1 / at 690 V / rated value kW 40 • at AC-2 at 400 V / rated value kW 4 • at AC-3 kW 2.2 • at 400 V / rated value kW 4 • at 690 V / rated value kW 7.5 • at AC-4 kW 4 • at 400 V / rated value kW 4 • at 400 V / rated value kW 4	• at 440 V / rated value	Α	0.6
 at AC-1 / at 230 V / rated value at AC-1 / at 400 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at AC-3 at 230 V / rated value at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value at 400 V / rated value at AC-4 at 400 V / rated value 	• at 600 V / rated value	Α	0.6
 at AC-1 / at 400 V / rated value at AC-1 / at 690 V / rated value at AC-2 at 400 V / rated value at AC-3 at 230 V / rated value at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value 	Operating performance		
 • at AC-1 / at 690 V / rated value • at AC-2 • at 400 V / rated value • at 230 V / rated value • at 400 V / rated value • at 690 V / rated value • at AC-4 • at 400 V / rated value 	• at AC-1 / at 230 V / rated value	kW	13.3
 at AC-2 at 400 V / rated value at AC-3 at 230 V / rated value at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value kW 4 at 400 V / rated value kW 4 at 400 V / rated value kW at 400 V / rated value at 400 V / rated value	• at AC-1 / at 400 V / rated value	kW	23
 • at 400 V / rated value • at AC-3 • at 230 V / rated value • at 400 V / rated value • at 690 V / rated value • at AC-4 • at 400 V / rated value 	• at AC-1 / at 690 V / rated value	kW	40
 at AC-3 at 230 V / rated value at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value 	• at AC-2		
 at 230 V / rated value at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value 	• at 400 V / rated value	kW	4
 at 400 V / rated value at 690 V / rated value at AC-4 at 400 V / rated value kW 4 tat 400 V / rated value wW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 at 400 V / rated value kW 2 	• at AC-3		
 at 690 V / rated value at AC-4 at 400 V / rated value be at 400 V / rated value at 400 V / rated value at 400 V / rated value be at 400 V / rated value cat 400 V / rated value description kW description description	• at 230 V / rated value	kW	2.2
• at AC-4 • at 400 V / rated value	at 400 V / rated value	kW	4
• at 400 V / rated value kW 4 Operating performance / for ≥ 200000 operating cycles / at AC-4 • at 400 V / rated value kW 2	• at 690 V / rated value	kW	7.5
Operating performance / for ≥ 200000 operating cycles / at AC-4 • at 400 V / rated value kW 2	• at AC-4		
• at 400 V / rated value kW 2	• at 400 V / rated value	kW	4
	Operating performance / for ≥ 200000 operating cycles / at AC-4		
• at 690 V / rated value kW 2.5	at 400 V / rated value	kW	2
	at 690 V / rated value	kW	2.5

Α	80
W	0.4
1/h	5,000
1/h	1,000
1/h	1,000
1/h	1,000
1/h	300
	1/h 1/h 1/h 1/h

Control circuit/ Control:		
Voltage type / of control feed voltage		AC
Control supply voltage		
at 50 Hz / at AC / rated value	V	24
• at 60 Hz / at AC / rated value	V	24
Operating range factor control supply voltage rated value / of the magnet coil		
• at 50 Hz / for AC		0.8 1.1
• at 60 Hz / for AC		0.85 1.1
Apparent pull-in power / of the solenoid / for AC	V·A	68
Apparent holding power / of the solenoid / for AC	V·A	7.9
Inductive power factor		
with the pull-in power of the coil		0.82
with the pull-in power of the coil		0.25
Closing delay		
• at AC	ms	9 38
Opening delay		
• at AC	ms	4 16
Arcing time	ms	10 10
Residual current / of electronics / for control with signal <0>		
• at 230 V / with AC / maximum permissible	mA	6
• at 24 V / with DC / maximum permissible	mA	16

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		1 faulty switching per 100 million (17 V, 1 mA)
Number of NC contacts / for auxiliary contacts / instantaneous switching		1
Number of NO contacts / for auxiliary contacts / instantaneous switching		1
Operating current		
• at AC-12 / maximum	Α	10

• at AC-15		
at 230 V / rated value	Α	10
at 400 V / rated value	Α	3
at 500 V / rated value	А	2
at 690 V / rated value	A	1
perating current / at DC-12		
• at 24 V / rated value	Α	10
• at 48 V / rated value	А	6
• at 60 V / rated value	А	6
• at 110 V / rated value	А	3
• at 125 V / rated value	А	2
• at 220 V / rated value	А	1
• at 440 V / rated value	А	0.3
• at 600 V / rated value	Α	0.15
perating current / at DC-13		
• at 24 V / rated value	Α	10
• at 48 V / rated value	А	2
• at 60 V / rated value	А	2
• at 110 V / rated value	А	1
• at 125 V / rated value	А	0.9
• at 220 V / rated value	А	0.3
• at 440 V / rated value	А	0.14
at 600 V / rated value	Α	0.1

UL/CSA ratings:		
yielded mechanical performance [hp]		
for single-phase squirrel cage motors		
• at 110/120 V / rated value	hp	1
• at 230 V / rated value	hp	1
for three-phase squirrel cage motors		
• at 200/208 V / rated value	hp	2
• at 220/230 V / rated value	hp	3
• at 460/480 V / rated value	hp	5
• at 575/600 V / rated value	hp	7.5
Full-load current (FLA) / for 3-phase motor		
• at 480 V / rated value	Α	7.6
• at 600 V / rated value	Α	9
Contact rating designation / for auxiliary contacts / according to UL		A600 / Q600

Design of the fuse link	

Short-circuit:

• for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 10 A	
• for short-circuit protection of the main circuit		
with type of assignment 1 / required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 63	
at type of coordination 2 / required	gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 25A	

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	
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022	
Mounting type / series installation		Yes	
Width	mm	45	
Height	mm	102	
Depth	mm	97	
Distance, to be maintained, to the ranks assembly / sidewards	mm	0	

Connections/ terminals: Design of the electrical connection • for main current circuit spring-loaded terminals • for auxiliary and control current circuit spring-loaded terminals • for main contacts / finely stranded / with conductor end 2x (1 ... 6 mm²) processing • for main contacts / finely stranded / without conductor final 2x (1 ... 6 mm²) cutting • for AWG conductors / for main contacts 2x (18 ... 8) • for auxiliary contacts / finely stranded / with conductor end 2x (0.5 ... 1.5 mm²) processing • for auxiliary contacts / finely stranded / without conductor final 2x (0.5 ... 2.5 mm²) • for AWG conductors / for auxiliary contacts 2x (20 ... 14)

Safety related data:		
B10 value / with high demand rate		
according to SN 31920		1,000,000
T1 value / for proof test interval or service life		
according to IEC 61508	а	20
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	FIT	100

Product function

- mirror contact to IEC 60947-4-1
- positively driven operation to IEC 60947-5-1

Yes

No

Certificates/ approvals:

General Product Approval

EMC

Functional Safety / Safety of Machinery













Declaration of Conformity

Test Certificates



Special Test Certificate Type Test
Certificates/Test
Report

Shipping Approval













Shipping Approval

other









Environmental Confirmations

Further information:

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

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

Industry Mall (Online ordering system)

http://mall.industry.siemens.com/

Cax online generator

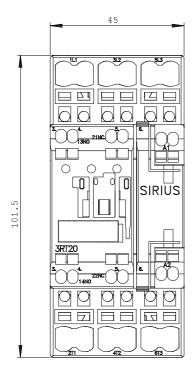
http://www.siemens.com/cax

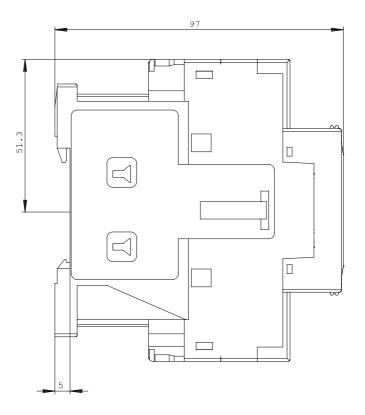
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

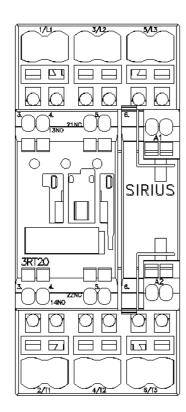
http://support.automation.siemens.com/WW/view/en/3RT2023-2AC20/all

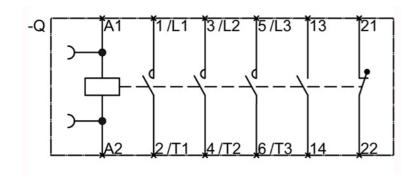
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RT2023-2AC20









last change: Aug 4, 2014