SIEMENS

Data sheet 3RT2016-1CP07

CONTACTOR, AC-3, 4KW/400V, 3NO+2NC, 230V AC 50/60HZ, 3-POLE, SIZE S00, SCREW TERMINAL VARISTOR PLUGGED ON



Figure similar

product brand name	SIRIUS
Product designation	3RT2 contactor
General technical data:	
Size of contactor	S00
Product extension	
 function module for communication 	No
Auxiliary switch	No
Insulation voltage	
• rated value	690 V
Degree of pollution	3
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
 between coil and main contacts acc. to EN 	400 V
60947-1	
Protection class IP	
• on the front	IP20
of the terminal	IP20

Ambient conditions:	
block typical	
 of the contactor with added auxiliary switch 	10 000 000
compatible auxiliary switch block typical	
 of the contactor with added electronics- 	5 000 000
of contactor typical	10 000 000
Mechanical service life (switching cycles)	
— at AC	10,5g / 5 ms, 6,6g / 10 ms
with sine pulse	
— at AC	6,7g / 5 ms, 4,2g / 10 ms
at rectangular impulse	
Shock resistance	

Ambient conditions:	
Installation altitude at height above sea level	2 000 m
maximum	
Ambient temperature	
during operation	-25 +60 °C
during storage	-55 +80 °C

Main circuit:	
Number of NO contacts for main contacts	3
Number of NC contacts for main contacts	0
Operating voltage	
 at AC-3 rated value maximum 	690 V
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	22 A
• at AC-1 up to 690 V	
— at ambient temperature 40 °C rated value	22 A
— at ambient temperature 60 °C rated value	20 A
• at AC-2 at 400 V rated value	9 A
• at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	7.7 A
— at 690 V rated value	6.7 A
Connectable conductor cross-section in main circuit	
at AC-1	
 at 60 °C minimum permissible 	2.5 mm ²
 at 40 °C minimum permissible 	4 mm²
Operating current for approx. 200000 operating	
cycles at AC-4	
● at 400 V rated value	4.1 A
● at 690 V rated value	3.3 A
Operating current	

• at 1 current path at DC-1 — at 24 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 • with 2 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 25 V rated value — at 260 V rated value — at 260 V rated value — at 27 V rated value — at 28 V rated value — at 29 V rated value — at 20 V rated value — at 20 V rated value — at 20 V rated value — at 440 V rated value — at 40 V rated value — at 110 V rated value — at 20 V rated value — at 210 V rated value — at 220 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 220 V rated value — at 690 V rated value — at 220 V rated value — at 690 V rated value — at 220 V rated value — at 690 V rated value — at 220 V rated		
— at 110 V rated value 2.1 A — at 220 V rated value 0.8 A — at 440 V rated value 0.6 A • with 2 current paths in series at DC-1 — at 24 V rated value 12 A — at 400 V rated value 20 A — at 110 V rated value 12 A — at 220 V rated value 1.6 A — at 440 V rated value 0.7 A • with 3 current paths in series at DC-1 — at 24 V rated value 0.7 A • with 3 current paths in series at DC-1 — at 24 V rated value 20 A — at 110 V rated value 20 A — at 220 V rated value 20 A — at 220 V rated value 20 A — at 240 V rated value 20 A — at 240 V rated value 20 A — at 24 V rated value 13 A Operating current • at 1 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 24 V rated value 30 A — at 25 DC rated value 30 A — at 46 OV rated value 30 A — at 66 OV ra	at 1 current path at DC-1	
	— at 24 V rated value	20 A
	— at 110 V rated value	
	— at 220 V rated value	0.8 A
• with 2 current paths in series at DC-1 — at 24 V rated value 20 A — at 110 V rated value 1.6 A — at 440 V rated value 0.8 A — at 440 V rated value 0.7 A • with 3 current paths in series at DC-1 — at 22 V rated value 20 A — at 110 V rated value 20 A — at 110 V rated value 20 A — at 220 V rated value 20 A — at 24 V rated value 20 A — at 24 V rated value 1.3 A — at 600 V rated value 1.3 A — at 600 V rated value 1.4 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 20 A — at 110 V rated value 20 A — at 110 V rated value 20 A — at 110 V rated value 20 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • at 220 V rated value 20 A — at 220 V rated value 20 A — at 220 V rated value 30 A — at 230 V rated value 30 A — at 440 V rated value 30 A — at 440 V rated value 31 kW — at 400 V rated value 13 kW — at 690 V rated value 22 kW — at 690 V rated value 22 kW — at 690 V rated value 22 kW — at 690 V rated value 44 kW	— at 440 V rated value	0.6 A
at 24 V rated value 20 A at 110 V rated value 12 A at 220 V rated value 1.6 A at 240 V rated value 0.8 A at 440 V rated value 0.7 A • with 3 current paths in series at DC-1 at 24 V rated value 20 A at 110 V rated value 20 A at 220 V rated value 1.3 A at 600 V rated value 20 A at 240 V rated value 20 A at 240 V rated value 20 A at 240 V rated value 1.3 A at 600 V rated value 20 A at 110 V rated value 20 A at 24 V rated value 20 A at 110 V rated value 20 A at 24 V rated value 20 A at 250 V rated value 20 A at 260 V rated value 31 kW at 400 V rated value 7.5 kW at 400 V rated value 22 kW at 690 V rated value 22 kW at 690 V rated value 22 kW at 690 V rated value 22 kW at 400 V rated value 4 kW	— at 600 V rated value	0.6 A
	with 2 current paths in series at DC-1	
- at 220 V rated value	— at 24 V rated value	20 A
	— at 110 V rated value	12 A
■ with 3 current paths in series at DC-1 □ at 24 V rated value	— at 220 V rated value	1.6 A
• with 3 current paths in series at DC-1 — at 24 V rated value 20 A — at 110 V rated value 20 A — at 440 V rated value 1.3 A — at 600 V rated value 1.4 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 20 A — at 110 V rated value 20 A — at 110 V rated value 20 A — at 110 V rated value 20 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 220 V rated value 20 A — at 24 V rated value 20 A — at 440 V rated value 20 A — at 440 V rated value 20 A — at 4600 V rated value 7.5 kW — at 230 V at 60 °C rated value 13 kW — at 400 V rated value 13 kW — at 690 V rated value 22 kW • at AC-2 at 400 V rated value 4 kW	— at 440 V rated value	0.8 A
- at 24 V rated value 20 A - at 110 V rated value 20 A - at 220 V rated value 20 A - at 440 V rated value 1.3 A - at 600 V rated value 1.4 Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 20 A - at 110 V rated value 20 A • with 2 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A - at 24 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A - at 220 V rated value 20 A - at 220 V rated value 20 A - at 24 V rated value 20 A - at 440 V rated value 20 A - at 440 V rated value 20 A - at 400 V rated value 3.2 A Operating power • at AC-1 - at 230 V rated value 7.5 kW - at 400 V rated value 13 kW - at 400 V rated value 13 kW - at 690 V rated value 22 kW - at 690 V rated value 22 kW • at AC-2 at 400 V rated value 4 kW	— at 600 V rated value	0.7 A
- at 110 V rated value 20 A - at 220 V rated value 20 A - at 440 V rated value 1.3 A - at 600 V rated value 1 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 20 A - at 110 V rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 - at 110 V rated value 0.35 A - at 24 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 - at 110 V rated value 20 A - at 220 V rated value 20 A - at 220 V rated value 20 A - at 24 V rated value 20 A - at 600 V rated value 0.2 A Operating power • at AC-1 - at 230 V rated value 7.5 kW - at 230 V at 60 °C rated value 13 kW - at 400 V rated value 22 kW - at 690 V rated value 22 kW - at 690 V rated value 22 kW • at AC-2 at 400 V rated value 4 kW	 with 3 current paths in series at DC-1 	
- at 220 V rated value	— at 24 V rated value	20 A
— at 440 V rated value — at 600 V rated value 1 A Operating current	— at 110 V rated value	20 A
— at 600 V rated value 1 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 20 A — at 110 V rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 24 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 220 V rated value 1.5 A — at 24 V rated value 20 A — at 24 V rated value 20 A — at 440 V rated value 0.2 A Operating power • at AC-1 — at 230 V at 60 °C rated value 7.5 kW — at 400 V rated value 13 kW — at 400 V rated value 13 kW — at 690 V rated value 22 kW — at 690 V rated value 22 kW • at AC-2 at 400 V rated value 4 kW	— at 220 V rated value	20 A
Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 20 A — at 110 V rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 24 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 220 V rated value 1.5 A — at 24 V rated value 20 A — at 440 V rated value 0.2 A — at 600 V rated value 0.2 A Operating power • at AC-1 — at 230 V rated value 7.5 kW — at 400 V rated value 13 kW — at 400 V rated value 13 kW — at 690 V rated value 22 kW — at 690 V at 60 °C rated value 22 kW • at AC-2 at 400 V rated value 4 kW	— at 440 V rated value	1.3 A
• at 1 current path at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value 0.1 A • with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value 0.35 A — at 24 V rated value 0.35 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A • with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value 20 A — at 220 V rated value 20 A — at 24 V rated value 20 A — at 440 V rated value 0.2 A Operating power • at AC-1 — at 230 V rated value 7.5 kW — at 230 V rated value 7.5 kW — at 400 V rated value 13 kW — at 400 V rated value 13 kW — at 690 V rated value 22 kW — at 690 V rated value • at AC-2 at 400 V rated value • at AC-2 at 400 V rated value 4 kW	— at 600 V rated value	1 A
	Operating current	
 — at 110 V rated value ● with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value — at 24 V rated value ● with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 24 V rated value — at 24 V rated value — at 600 V rated value — at 600 V rated value — at 230 V rated value — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 690 V rated value — at 400 V rated value — at 690 V rated value — at	• at 1 current path at DC-3 at DC-5	
 with 2 current paths in series at DC-3 at DC-5 — at 110 V rated value	— at 24 V rated value	20 A
 — at 110 V rated value — at 24 V rated value ● with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value — at 220 V rated value — at 24 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 400 V rated value — at 690 V rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at	— at 110 V rated value	0.1 A
 — at 24 V rated value ● with 3 current paths in series at DC-3 at DC-5 — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value Operating power ● at AC-1 — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 690 V r	 with 2 current paths in series at DC-3 at DC-5 	
 with 3 current paths in series at DC-3 at DC-5 at 110 V rated value at 220 V rated value at 24 V rated value at 24 V rated value at 440 V rated value at 600 V rated value Operating power at AC-1 at 230 V rated value at 400 V at 60 °C rated value at 690 V rated value at 690 V rated value at 690 V rated value at AC-2 at 400 V rated value 	— at 110 V rated value	0.35 A
 — at 110 V rated value — at 220 V rated value — at 24 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value Operating power • at AC-1 — at 230 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V rated value	— at 24 V rated value	20 A
- at 220 V rated value - at 24 V rated value 20 A - at 440 V rated value 0.2 A - at 600 V rated value 0.2 A Operating power ■ at AC-1 - at 230 V rated value 7.5 kW - at 230 V at 60 °C rated value 7.5 kW - at 400 V rated value 13 kW - at 400 V at 60 °C rated value 13 kW - at 690 V rated value 22 kW - at 690 V at 60 °C rated value 22 kW ■ at AC-2 at 400 V rated value 4 kW	 with 3 current paths in series at DC-3 at DC-5 	
- at 24 V rated value 20 A - at 440 V rated value 0.2 A - at 600 V rated value 0.2 A Operating power ■ at AC-1 - at 230 V rated value 7.5 kW - at 230 V at 60 °C rated value 7.5 kW - at 400 V rated value 13 kW - at 400 V at 60 °C rated value 13 kW - at 690 V rated value 22 kW - at 690 V at 60 °C rated value 22 kW ■ at AC-2 at 400 V rated value 4 kW	— at 110 V rated value	20 A
 — at 440 V rated value — at 600 V rated value 0.2 A Operating power • at AC-1 — at 230 V rated value — at 230 V at 60 °C rated value — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V rated value <li< td=""><td>— at 220 V rated value</td><td>1.5 A</td></li<>	— at 220 V rated value	1.5 A
— at 600 V rated value 0.2 A Operating power ■ at AC-1 — at 230 V rated value 7.5 kW — at 230 V at 60 °C rated value 7.5 kW — at 400 V rated value 13 kW — at 400 V at 60 °C rated value 13 kW — at 690 V rated value 22 kW — at 690 V at 60 °C rated value 22 kW ■ at AC-2 at 400 V rated value 4 kW	— at 24 V rated value	20 A
Operating power ● at AC-1 — at 230 V rated value 7.5 kW — at 230 V at 60 °C rated value 7.5 kW — at 400 V rated value 13 kW — at 400 V at 60 °C rated value 13 kW — at 690 V rated value 22 kW — at 690 V at 60 °C rated value 22 kW ● at AC-2 at 400 V rated value 4 kW	— at 440 V rated value	0.2 A
 at AC-1 — at 230 V rated value — at 230 V at 60 °C rated value — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V rated value — at 690 V	— at 600 V rated value	0.2 A
 — at 230 V rated value — at 230 V at 60 °C rated value — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value — at 690 V rated value 4 kW 	Operating power	
 — at 230 V at 60 °C rated value — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value 22 kW — at 690 V rated value 4 kW 	• at AC-1	
 — at 400 V rated value — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V at 60 °C rated value 22 kW • at AC-2 at 400 V rated value 4 kW 	— at 230 V rated value	7.5 kW
 — at 400 V at 60 °C rated value — at 690 V rated value — at 690 V at 60 °C rated value 22 kW — at 690 V at 60 °C rated value 4 kW 	— at 230 V at 60 °C rated value	7.5 kW
 — at 690 V rated value — at 690 V at 60 °C rated value • at AC-2 at 400 V rated value 22 kW 4 kW 	— at 400 V rated value	13 kW
 — at 690 V at 60 °C rated value ■ at AC-2 at 400 V rated value 4 kW 	— at 400 V at 60 °C rated value	13 kW
• at AC-2 at 400 V rated value 4 kW	— at 690 V rated value	22 kW
	— at 690 V at 60 °C rated value	22 kW
	• at AC-2 at 400 V rated value	4 kW
• at no-o	• at AC-3	

— at 230 V rated value	2.2 kW
et 400 V reted value	4 kW
— at 400 V rated value	
— at 690 V rated value	5.5 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	2 kW
• at 690 V rated value	2.5 kW
Thermal short-time current limited to 10 s	72 A
Power loss [W] at AC-3 at 400 V for rated value of	0.7 W
the operating current per conductor	
No-load switching frequency	
• at AC	10 000 1/h
Operating frequency	
• 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:	
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
● at 50 Hz rated value	230 V
● at 60 Hz rated value	230 V
Operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.8 1.1
● at 60 Hz	0.85 1.1
Design of the surge suppressor	with varistor
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	27 V·A
● at 60 Hz	31.7 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.8
● at 60 Hz	0.81
Apparent holding power of magnet coil at AC	
● at 50 Hz	4.2 V·A
● at 60 Hz	4.8 V·A
Inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.25
● at 60 Hz	0.25
Closing delay	
• at AC	9 35 ms

Opening delay	
● at AC	3.5 14 ms
Arcing time	10 15 ms
Residual current of the electronics for control with signal <0>	
 at AC at 230 V maximum permissible 	3 mA
• at DC at 24 V maximum permissible	10 mA

Auxiliary circuit:	
Number of NC contacts	
 for auxiliary contacts 	
 instantaneous contact 	2
Number of NO contacts	
for auxiliary contacts	
instantaneous contact	3
Operating current at AC-12 maximum	10 A
Operating current at AC-15	
• at 230 V rated value	6 A
• at 400 V rated value	3 A
● at 500 V rated value	2 A
● at 690 V rated value	1 A
Operating 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
Operating current at DC-13	
● at 24 V rated value	6 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 three-phase AC motor	
• at 480 V rated value	7.6 A
• at 600 V rated value	9 A

Yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	0.33 hp
— at 230 V rated value	1 hp
 for three-phase AC motor 	
— at 200/208 V rated value	2 hp
— at 220/230 V rated value	3 hp
— at 460/480 V rated value	5 hp
— at 575/600 V rated value	7.5 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
 - 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

nstallation/ 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
Side-by-side mounting	Yes
Height	58 mm
Width	45 mm
Depth	117 mm
Required spacing	
with side-by-side mounting	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	0 mm
• for grounded parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	0 mm
— at the side	6 mm
— downwards	0 mm
• for live parts	
— forwards	0 mm

— Backwards	0 mm
— upwards	0 mm
— downwards	0 mm
— at the side	6 mm

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-sections		
• for main contacts		
— solid	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
 at AWG conductors for main contacts 	2x (20 16), 2x (18 14), 2x 12	
Type of connectable conductor cross-sections		
 for auxiliary contacts 		
— single or multi-stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	
 finely stranded with core end processing 	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
• at AWG conductors for auxiliary contacts	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 31920 	100 FIT
Product function	
 Mirror contact acc. to IEC 60947-4-1 	Yes
 positively driven operation acc. to IEC 60947-5- 	No
1	
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates









spezielle Prüfbescheinigunge n Typprüfbescheinigu ng/Werkszeugnis

Shipping Approval













Shipping Approval

other



Umweltbestätigung

Bestätigungen

Further information

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

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

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2016-1CP07

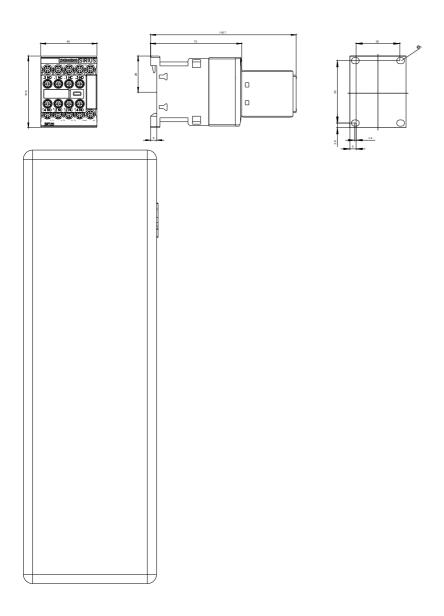
Cax online generator

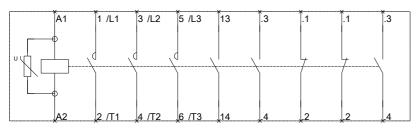
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2016-1CP07

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2016-1CP07

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2016-1CP07&lang=en





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