SIEMENS

Data sheet 3RT2045-1AP00

CONTACTOR, AC3: 37KW/400V, 1NO+1NC, 230VAC 50HZ, 3-POLE, 3NO, SIZE: S3, SCREW TERMINALS



Figure similar

Product brand name	SIRIUS
Product designation	Power contactor
Product type designation	3RT2

S3
No
Yes
1 000 V
3
6 kV
690 V
IP20

of the terminal	IP00
Shock resistance at rectangular impulse	
• at AC	6.7 g / 5 ms, 4.0 g / 10 ms
Shock resistance with sine pulse	
• at AC	10.6 g / 5 ms, 6.3 g / 10 ms
Mechanical service life (switching cycles)	
of 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
Equipment marking	
 acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750 	K
● acc. to DIN EN 61346-2	Q
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
Main circuit	
Main circuit Number of poles for main current circuit	3
	3 3
Number of poles for main current circuit	
Number of poles for main current circuit Number of NO contacts for main contacts	
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage	3
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum	3
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current	3
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value	3 1 000 V
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C	3 1 000 V 125 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C	3 1 000 V 125 A 125 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value	3 1 000 V 125 A 125 A 105 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value	3 1 000 V 125 A 125 A 105 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C rated value — up to 690 V at ambient temperature 60 °C rated value • at AC-2 at 400 V rated value • at AC-3	3 1 000 V 125 A 125 A 105 A 80 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C 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	3 1 000 V 125 A 125 A 105 A 80 A
Number of poles for main current circuit Number of NO contacts for main contacts Operating voltage • at AC-3 rated value maximum Operating current • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-1 — up to 690 V at ambient temperature 40 °C 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	3 1 000 V 125 A 125 A 105 A 80 A 80 A 80 A

Operating current for approx. 200000 operating cycles at AC-4	• at 40 °C minimum permissible	50 mm²
• at 400 V rated value • at 690 V rated value 24 A Operating current • at 1 current path at DC-1 — at 24 V rated value — at 110 V rated value — at 200 V rated value — at 400 V rated value • with 2 current paths in series at DC-1 — at 22 V rated value — at 400 V rated value — at 400 V rated value — at 220 V rated value — at 220 V rated value — at 410 V rated value — at 440 V rated value — at 440 V rated value — at 400 V rated value — at 400 V rated value — at 410 V rated value — at 4110 V rated value — at 220 V rated value — at 220 V rated value — at 440 V rated value — at 400 V rated value		
● at 690 V rated value 24 A Operating current ● at 1 current path at DC-1 — at 24 V rated value 9 A — at 220 V rated value 9 A — at 220 V rated value 0.6 A — at 440 V rated value 0.4 A ● with 2 current paths in series at DC-1 — at 24 V rated value 100 A — at 110 V rated value 100 A — at 120 V rated value 100 A — at 120 V rated value 100 A — at 24 V rated value 100 A — at 440 V rated value 10 A — with 3 current paths in series at DC-1 — at 22 V rated value 10 A — at 110 V rated value 10 A — at 110 V rated value 10 A — at 20 V rated value 100 A — at 22 V rated value 100 A — at 22 V rated value 100 A — at 24 V rated value 20 A — at 25 V rated value 20 A — at 26 V rated value 20 A — at 26 V rated value 20 A — at 27 V rated value 20 A — at 28 V rated value 20 A — at 29 V rated value 20 A — at 20 V rated value 10 A — at 20 V rated val	cycles at AC-4	
Operating current ◆ at 1 current path at DC-1	• at 400 V rated value	34 A
at 1 current path at DC-1 — at 24 V rated value	• at 690 V rated value	24 A
	Operating current	
— at 110 V rated value 9 A — at 220 V rated value 0.6 A — at 440 V rated value 0.4 A • with 2 current paths in series at DC-1 — at 24 V rated value 100 A — at 110 V rated value 100 A — at 110 V rated value 100 A — at 1110 V rated value 100 A — at 220 V rated value 100 A — at 240 V rated value 100 A — at 24 V rated value 100 A • with 3 current paths in series at DC-1 — at 24 V rated value 100 A — at 110 V rated value 100 A — at 120 V rated value 100 A — at 220 V rated value 80 A — at 440 V rated value 4.5 A — at 600 V rated value 2.6 A Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 1 A — at 440 V rated value 1 A — at 110 V rated value 1 A — at 220 V rated value 1 A — at 440 V	at 1 current path at DC-1	
	— at 24 V rated value	100 A
— at 440 V rated value	— at 110 V rated value	9 A
■ 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 440 V rated value — at 440 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 110 V rated value — at 22 V rated value — at 24 V rated value — at 110 V rated value — at 110 V rated value — at 20 V rated value — at 20 V rated value — at 600 V rated value — at 600 V rated value — at 600 V rated value — at 10 V rated value — at 110 V rated value — at 20 V rated value — at 110 V rated value — at 20 V rated value — at 440 V rated value — at 20 V rated value — at 440 V rated value — at 660 V rated value — at 660 V rated value — at 660 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 660 V rated	— at 220 V rated value	2 A
with 2 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	0.6 A
- at 24 V rated value 100 A - at 110 V rated value 100 A - at 220 V rated value 10 A - at 440 V rated value 18 A - at 600 V rated value 11 A • with 3 current paths in series at DC-1 - at 24 V rated value 100 A - at 110 V rated value 100 A - at 110 V rated value 100 A - at 220 V rated value 2.6 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 14 A - at 440 V rated value 2.5 A - at 220 V rated value 1A - at 440 V rated value 1A - at 440 V rated value 2.6 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 1A - at 440 V rated value 10.15 A - at 600 V rated value 100 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 7A - at 440 V rated value 100 A - at 110 V rated value 7A - at 440 V rated value 100 A - at 220 V rated value 100 A - at 24 V rated value 100 A	— at 600 V rated value	0.4 A
- at 110 V rated value	with 2 current paths in series at DC-1	
at 220 V rated value	— at 24 V rated value	100 A
	— at 110 V rated value	100 A
 — at 600 V rated value ● with 3 current paths in series at DC-1 — at 24 V rated value — at 110 V rated value — at 440 V rated value — at 600 V rated value — at 600 V rated value — at 1 10 V rated value — at 600 V rated value — at 2 V rated value — at 2 V rated value — at 2 V rated value — at 110 V rated value — at 220 V rated value — at 440 V rated value — at 600 V rated value — at 2 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 2 V rated value — at 440 V rated value — at 440 V rated value — at 440 V rated value — at 2 V rated value — at 110 V rated value 	— at 220 V rated value	10 A
with 3 current paths in series at DC-1 — at 24 V rated value	— at 440 V rated value	1.8 A
- at 24 V rated value 100 A - at 110 V rated value 100 A - at 220 V rated value 80 A - at 440 V rated value 4.5 A - at 600 V rated value 2.6 A Operating current ● at 1 current path at DC-3 at DC-5 - at 24 V rated value 2.5 A - at 110 V rated value 1 A - at 440 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 0.15 A - at 600 V rated value 0.06 A ● with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 110 V rated value 100 A - at 220 V rated value 100 A - at 220 V rated value 100 A - at 440 V rated value 100 A - at 440 V rated value 7 A - at 440 V rated value 0.42 A - at 600 V rated value 0.42 A - at 600 V rated value 100 A ● with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 220 V rated value 100 A - at 440 V rated value 100 A	— at 600 V rated value	1 A
- at 110 V rated value	with 3 current paths in series at DC-1	
at 220 V rated value 4.5 A at 600 V rated value 2.6 A Operating current ■ at 1 current path at DC-3 at DC-5 at 24 V rated value 40.4 A at 110 V rated value 5.5 A at 220 V rated value 1.5 A at 440 V rated value 1.5 A at 600 V rated value 1.5 A at 600 V rated value 1.0 A at 110 V rated value 1.0 A at 220 V rated value 1.0 A at 24 V rated value 1.0 A at 24 V rated value 1.0 A at 440 V rated value 1.0 A at 220 V rated value 1.0 A at 440 V rated value 1.0 A	— at 24 V rated value	100 A
- at 440 V rated value 4.5 A - at 600 V rated value 2.6 A Operating current • at 1 current path at DC-3 at DC-5 - at 24 V rated value 40 A - at 110 V rated value 1 A - at 220 V rated value 1 A - at 440 V rated value 0.15 A - at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 110 V rated value 100 A - at 440 V rated value 100 A - at 440 V rated value 100 A - at 440 V rated value 0.42 A - at 4600 V rated value 0.42 A - at 600 V rated value 100 A - at 220 V rated value 100 A - at 240 V rated value 100 A - at 440 V rated value 100 A - at 440 V rated value 100 A - at 240 V rated value 100 A	— at 110 V rated value	100 A
— at 600 V rated value 2.6 A Operating current ■ at 1 current path at DC-3 at DC-5 — at 24 V rated value 40 A — at 110 V rated value 1 A — at 440 V rated value 5.5 A — at 220 V rated value 5.5 A — at 600 V rated value 5.06 A ■ with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 5.00 A — at 110 V rated value 70 A — at 440 V rated value 100 A — at 220 V rated value 70 A — at 440 V rated value 70 A — at 440 V rated value 70 A — at 440 V rated value 70.42 A — at 600 V rated value 70.16 A ■ with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 70.16 A ■ with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 100 A — at 110 V rated value 100 A — at 110 V rated value 100 A	— at 220 V rated value	80 A
Operating current • at 1 current path at DC-3 at DC-5 — at 24 V rated value 40 A — at 110 V rated value 1 A — at 440 V rated value 0.15 A — at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 — at 24 V rated value 100 A — at 110 V rated value 100 A — at 440 V rated value 100 A — at 120 V rated value 100 A — at 220 V rated value 7 A — at 440 V rated value 0.42 A — at 600 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 100 A — at 24 V rated value 100 A — at 24 V rated value 100 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 100 A	— at 440 V rated value	4.5 A
 at 1 current path 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 with 2 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 24 V rated value with 3 current paths in series at DC-3 at DC-5 at 24 V rated value at 24 V rated value 100 A at 110 V rated value 100 A at 110 V rated value 100 A at 110 V rated value	— at 600 V rated value	2.6 A
- at 24 V rated value 40 A - at 110 V rated value 2.5 A - at 220 V rated value 1 A - at 440 V rated value 0.15 A - at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 110 V rated value 7 A - at 440 V rated value 0.42 A - at 600 V rated value 0.42 A - at 600 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 110 V rated value 100 A	Operating current	
- at 110 V rated value - at 220 V rated value 1 A - at 440 V rated value 0.15 A - at 600 V rated value 0.06 A • with 2 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 110 V rated value 100 A - at 220 V rated value 7 A - at 440 V rated value - at 440 V rated value 0.42 A - at 600 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5 - at 24 V rated value 100 A - at 220 V rated value 100 A - at 110 V rated value 100 A	at 1 current path at DC-3 at DC-5	
 at 220 V rated value at 440 V rated value 0.15 A at 600 V rated value with 2 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 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 24 V rated value at 24 V rated value at 100 A at 110 V rated value 100 A at 110 V rated value 100 A at 110 V rated value 100 A 	— at 24 V rated value	40 A
 at 440 V rated value at 600 V rated value with 2 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 with 3 current paths in series at DC-3 at DC-5 at 24 V rated value at 100 A 100 A 101 A 100 A 	— at 110 V rated value	2.5 A
 — at 600 V rated value ● with 2 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 ● with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value 100 A — at 110 V rated value 100 A 	— at 220 V rated value	1 A
 with 2 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 • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value 100 A 100 A 100 A 100 A 100 A 	— at 440 V rated value	0.15 A
 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 with 3 current paths in series at DC-3 at DC-5 at 24 V rated value at 110 V rated value 100 A 100 A 	— at 600 V rated value	0.06 A
 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 100 A 100 A 100 A 	 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 100 A 100 A 	— at 24 V rated value	100 A
 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 100 A 100 A 	— at 110 V rated value	100 A
 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 100 A 100 A 	— at 220 V rated value	7 A
 with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value — at 110 V rated value 100 A 100 A 	— at 440 V rated value	0.42 A
 at 24 V rated value at 110 V rated value 100 A 100 A 	— at 600 V rated value	0.16 A
— at 110 V rated value 100 A	• with 3 current paths in series at DC-3 at DC-5	
	— at 24 V rated value	100 A
— at 220 V rated value 35 A	— at 110 V rated value	100 A
	— at 220 V rated value	35 A

— at 440 V rated value	0.8 A
— at 600 V rated value	0.35 A
Operating power	
• at AC-1	
— at 230 V rated value	47 kW
— at 230 V at 60 °C rated value	40 kW
— at 400 V rated value	82 kW
— at 400 V at 60 °C rated value	69 kW
— at 690 V rated value	142 kW
— at 690 V at 60 °C rated value	119 kW
• at AC-2 at 400 V rated value	37 kW
• at AC-3	
— at 230 V rated value	22 kW
— at 400 V rated value	37 kW
— at 500 V rated value	45 kW
— at 690 V rated value	55 kW
Operating power for approx. 200000 operating cycles	
at AC-4	
• at 400 V rated value	17.9 kW
• at 690 V rated value	21.8 kW
Thermal short-time current limited to 10 s	760 A
Power loss [W] at AC-3 at 400 V for rated value of	5.3 W
the operating current per conductor No-load switching frequency	
• at AC	5 000 1/h
Operating frequency	
• at AC-1 maximum	900 1/h
• at AC-2 maximum	400 1/h
• at AC-3 maximum	1 000 1/h
• at AC-4 maximum	300 1/h
Control circuit/ Control	AC
Type of voltage of the control supply voltage Control supply voltage at AC	AC
• at 50 Hz rated value	230 V
Operating range factor control supply voltage rated	200 V
value of magnet coil at AC	
● at 50 Hz	0.8 1.1
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	296 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.61
Apparent holding power of magnet coil at AC	

● at 50 Hz	19 V·A
Inductive power factor with the holding power of the coil	
● at 50 Hz	0.38
Closing delay	
● at AC	13 50 ms
Opening delay	
• at AC	10 21 ms
Arcing time	10 20 ms
A 11 10 - 10	

Auxiliary circuit	
Number of NC contacts	
• for auxiliary contacts	
instantaneous contact	1
Number of NO contacts	
● for auxiliary contacts	
instantaneous contact	1
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	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)

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$\cup L$	$\cup \cup \cap$	ratings	Ð

Full-load current (FLA) for three-phase AC motor

• at 480 V rated value	77 A
• at 600 V rated value	62 A
Yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V rated value	7.5 hp
— at 230 V rated value	15 hp
 for three-phase AC motor 	
— at 200/208 V rated value	25 hp
— at 220/230 V rated value	30 hp
— at 460/480 V rated value	60 hp
— at 575/600 V rated value	60 hp
Contact rating of auxiliary contacts according to UL	A600 / P600

fuse gG: 10 A

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

gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 250 A gL/gG NH 3NA, DIAZED 5SB, NEOZED 5SE: 160 A

required

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 60715
 Side-by-side mounting 	Yes
Height	140 mm
Width	70 mm
Depth	152 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	10 mm
— at the side	10 mm
— downwards	10 mm

for live parts	
— forwards	0 mm
— Backwards	0 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 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	
 finely stranded with core end processing 	2x (2.5 35 mm²), 1x (2.5 50 mm²)
 at AWG conductors for main contacts 	2x (10 1/0), 1x (10 2)
Connectable conductor cross-section for main	
contacts	
• solid	2.5 16 mm²
• stranded	6 70 mm²
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)
 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)

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 %
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	20 y
IEC 61508	
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529

Certificates/approvals

General Product Approval

Declaration of Conformity

Test Certificates











Type Test
Certificates/Test
Report

rest	
Certificates	

Marine / Shipping

Special Test Certificate











Marine / other Shipping

Railway

Confirmation

Vibration and Shock



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=3RT2045-1AP00

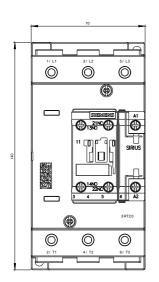
Cax online generator

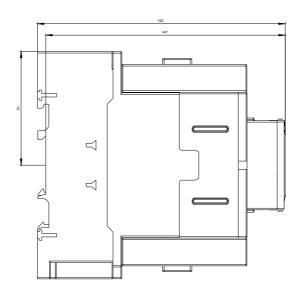
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2045-1AP00}\\$

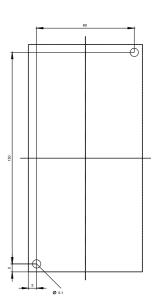
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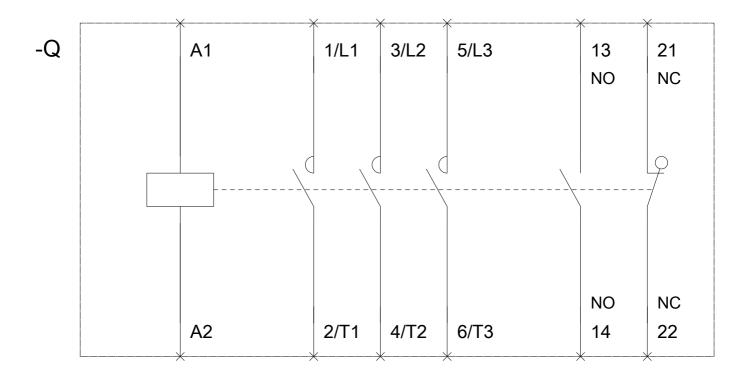
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AP00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-1AP00&lang=en









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