SIEMENS

Data sheet 3RT2045-1AL24

power contactor, AC-3 80 A, 37 kW / 400 V 2 NO + 2 NC, 230 V AC/50/60 Hz 3-pole, 3 NO, Size S3 screw terminal



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

General technical data	
Size of contactor	S3
Product extension	
 function module for communication 	No
Auxiliary switch	Yes
Surge voltage resistance	
of main circuit rated value	8 kV
 of auxiliary circuit rated value 	6 kV
maximum permissible voltage for safe isolation	
• between coil and main contacts acc. to EN	690 V
60947-1	
Protection class IP	
• on the front	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	10 6 a / 5 ma 6 2 a / 10 ma
• at AC	10.6 g / 5 ms, 6.3 g / 10 ms
Mechanical service life (switching cycles)	10 000 000
of contactor typical	
 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
Reference code acc. to DIN 40719 extended	К
according to IEC 204-2 acc. to IEC 750	
Reference code acc. to DIN EN 81346-2	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	
Number of poles for main current circuit	3
Number of NO contacts for main contacts	3
Operating voltage	
• at AC-3 rated value maximum	1 000 V
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	125 A
• at AC-1	
 up to 690 V at ambient temperature 40 °C rated value 	125 A
— up to 690 V at ambient temperature 60 °C rated value	105 A
— up to 1000 V at ambient temperature 40 °C rated value	60 A
— up to 1000 V at ambient temperature 60 °C rated value	50 A
• at AC-2 at 400 V rated value	80 A
• at AC-3	
— at 400 V rated value	80 A
— at 500 V rated value	80 A
— at 690 V rated value	58 A
at AC-4 at 400 V rated value	66 A
• at AC-5a up to 690 V rated value	110 A
	80 A
 at AC-5b up to 400 V rated value 	00 A

● at AC-6a	
 up to 230 V for current peak value n=20 rated value 	80 A
— up to 400 V for current peak value n=20 rated value	80 A
— up to 500 V for current peak value n=20 rated value	80 A
— up to 690 V for current peak value n=20 rated value	58 A
● at AC-6a	
— up to 230 V for current peak value n=30 rated value	54 A
 up to 400 V for current peak value n=30 rated value 	54 A
 up to 500 V for current peak value n=30 rated value 	54 A
 up to 690 V for current peak value n=30 rated value 	54 A
Minimum cross-section in main circuit	
● at maximum AC-1 rated value	50 mm²
Operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	34 A
• at 690 V rated value	24 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	100 A
— at 110 V rated value	9 A
— at 220 V rated value	2 A
— at 440 V rated value	0.6 A
— at 600 V rated value	
 with 2 current paths in series at DC-1 	0.4 A
man 2 danone patrio in dorico de DO 1	0.4 A
— at 24 V rated value	0.4 A 100 A
·	
— at 24 V rated value	100 A
— at 24 V rated value— at 110 V rated value	100 A 100 A
— at 24 V rated value— at 110 V rated value— at 220 V rated value	100 A 100 A 10 A
 at 24 V rated value at 110 V rated value at 220 V rated value at 440 V rated value 	100 A 100 A 10 A 1.8 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 	100 A 100 A 10 A 1.8 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-1 	100 A 100 A 10 A 1.8 A 1 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-1 at 24 V rated value 	100 A 100 A 10 A 1.8 A 1 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-1 at 24 V rated value at 110 V rated value 	100 A 100 A 10 A 1.8 A 1 A

* at 1 current path at DC-3 at DC-5 — at 24 V rated value		
	Operating current	
— at 110 V rated value 1 A — at 220 V rated value 1 A — at 440 V rated value 0.16 A — at 440 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 120 V rated value 0.42 A — at 440 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5 — at 24 V rated value 0.16 A • with 3 current paths in series at DC-3 at DC-5 — at 24 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 — at 1220 V rated value 35 A — at 440 V rated value 0.8 A — at 4800 V rated value 0.8 A — at 800 V rated value 0.35 A Operating power • at AC-1 — at 230 V rated value 40 kW — at 400 V rated value 82 kW — at 400 V rated value 82 kW — at 690 V vated value 119 kW • at AC-2 at 400 V rated value 119 kW • at AC-2 at 400 V rated value 119 kW • at AC-2 at 400 V rated value 37 kW • at AC-3 at 400 V rated value 55 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value 17.9 kW • at 400 V rated value 50 kW • at AC-1 • at 230 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 17.9 kW • at 690 V rated value 17.9 kW • at 690 V rated value 50 kW • at 6		
	— at 110 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 110 V rated value — at 120 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 724 V rated value — at 110 V rated value — at 110 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 — at 600 V rated value — at 230 V rated value — at 400 V rated value — at 400 V rated value — at 690 V rated value — at 600 V rated value — at 230 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — at 690 V rated value	— at 220 V rated value	
with 2 current paths in series at DC-3 at DC-5	— at 440 V rated value	
	— at 600 V rated value	0.06 A
- at 110 V rated value 7 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 110 V rated value 100 A - at 110 V rated value 35 A - at 440 V rated value 0.8 A - at 600 V rated value 0.8 A - at 600 V rated value 0.35 A Coperating power • at AC-1 - at 230 V rated value 47 kW - at 230 V rated value 82 kW - at 400 V rated value 82 kW - at 400 V rated value 98 kW - at 400 V rated value 142 kW - at 690 V rated value 142 kW - at 690 V rated value 194 kW - at 690 V rated value 195 kW - at 690 V rated value 195 kW - at AC-2 at 400 V rated value 22 kW - at 400 V rated value 55 kW Coperating 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 No-load switching frequency • at AC	 with 2 current paths in series at DC-3 at DC-5 	
- at 220 V rated value	— at 24 V rated value	100 A
at 440 V rated value	— 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 - at 220 V rated value - at 600 V rated value • at AC-1 - at 230 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 500 V rated value - at 7 kW • at AC-3 - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated va	— 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 at 110 V rated value at 220 V rated value at 440 V rated value at 600 V rated value 35 A 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 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 AC-3 at 230 V rated value at 500 V rated value at 690 V rated value operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value of 0 A No-load switching frequency at AC-2 at AC-3	— at 440 V rated value	0.42 A
- at 24 V rated value 100 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 rated value 82 kW - at 400 V rated value 69 kW - at 400 V rated value 142 kW - at 690 V rated value 142 kW - at 690 V 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 AC-4 • at 690 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 55 kW Thermal short-time current limited to 10 s No-load switching frequency • at AC	— at 600 V rated value	0.16 A
- 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 600 V rated value	 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 power	— at 220 V rated value	35 A
Operating power • at AC-1 — 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 — 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 • 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 No-load switching frequency • at AC 5 000 1/h	— at 440 V rated value	0.8 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 rated value — at 400 V rated value — at 690 V rated value — at 690 V at 60 °C rated value — at 690 V vated value — 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 500 V rated value — at 500 V rated value — at 690 V rated value 17.9 kW • at 690 V rated value • at 690 V rated value 17.9 kW	— at 600 V rated value	0.35 A
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 No-load switching frequency ■ at AC ■ at AC- ■ at AC- ■ at AC- ■ 5 000 1/h	Operating power	
at 230 V at 60 °C rated value 82 kW at 400 V 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 37 kW at 500 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 No-load switching frequency • at AC	● at AC-1	
- at 400 V rated value - 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 37 kW - at 500 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 17.9 kW • at 690 V rated value 17.9 kW • at 690 V rated value 17.9 kW • at 690 V rated value 5 5 000 1/h	— at 230 V rated value	47 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 No-load switching frequency • at AC 500 1/h	— at 230 V at 60 °C rated value	40 kW
- at 690 V rated value - 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 No-load switching frequency ■ at AC ■ at AC ■ 5 000 1/h	— at 400 V rated value	82 kW
- at 690 V at 60 °C rated value • at AC-2 at 400 V rated value • at AC-3 - at 230 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value 55 kW Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value 17.9 kW • at 690 V rated value 760 A No-load switching frequency • at AC 5 000 1/h	— at 400 V at 60 °C rated value	69 kW
 at AC-2 at 400 V rated value at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 55 kW Operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 400 V rated value at 690 V rated value 500 A No-load switching frequency at AC 5000 1/h 	— at 690 V rated value	142 kW
 at AC-3 at 230 V rated value at 400 V rated value at 500 V rated value at 690 V rated value 55 kW Operating power for approx. 200000 operating cycles at AC-4 at 400 V rated value at 690 V rated value at 690 V rated value at 690 V rated value 17.9 kW at 690 V rated value 760 A No-load switching frequency at AC 5 000 1/h 	— at 690 V at 60 °C rated value	119 kW
- 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 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 No-load switching frequency ■ at AC ■ at AC ■ at AC ■ 5 000 1/h	at AC-2 at 400 V rated value	37 kW
- at 400 V rated value - at 500 V rated value 45 kW - at 690 V rated value 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 No-load switching frequency • at AC • at AC • at AC • at AC • 5 000 1/h	• at AC-3	
- 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 No-load switching frequency • at AC 5000 1/h	— at 230 V rated value	22 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 No-load switching frequency • at AC 5 000 1/h	— at 400 V rated value	37 kW
Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 690 V rated value Thermal short-time current limited to 10 s No-load switching frequency • at AC • at AC • at 00 V rated value 5 000 1/h	— at 500 V rated value	45 kW
at AC-4 ● at 400 V rated value • at 690 V rated value 21.8 kW Thermal short-time current limited to 10 s No-load switching frequency • at AC • at AC • at 400 V rated value 21.8 kW 760 A 5 000 1/h	— at 690 V rated value	55 kW
● at 690 V rated value 21.8 kW Thermal short-time current limited to 10 s No-load switching frequency ● at AC 5 000 1/h		
Thermal short-time current limited to 10 s No-load switching frequency ● at AC 5 000 1/h	• at 400 V rated value	17.9 kW
No-load switching frequency ● at AC 5 000 1/h	• at 690 V rated value	21.8 kW
● at AC 5 000 1/h	Thermal short-time current limited to 10 s	760 A
	No-load switching frequency	
	• at AC	5 000 1/h
Operating frequency	Operating frequency	
• at AC-1 maximum 900 1/h	● 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	
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
Apparent pick-up power of magnet coil at AC	
● at 50 Hz	348 V·A
● at 60 Hz	296 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.62
● at 60 Hz	0.55
Apparent holding power of magnet coil at AC	
● at 50 Hz	25 V·A
● at 60 Hz	18 V·A
Inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.35
● at 60 Hz	0.41
Closing delay	
• at AC	13 50 ms
Opening delay	
• at AC	10 21 ms
Arcing time	10 20 ms
Auxiliary circuit	
Number of NC contacts for auxiliary contacts	
• instantaneous contact	2
Number of NO contacts for auxiliary contacts	
• instantaneous contact	2
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

Operating current at DC-12

1 A

Contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
● at 600 V rated value	0.1 A
• at 220 V rated value	0.3 A
• at 125 V rated value	0.9 A
• at 110 V rated value	1 A
• at 60 V rated value	2 A
• at 48 V rated value	2 A
• at 24 V rated value	6 A
Operating current at DC-13	
• at 600 V rated value	0.15 A
• at 220 V rated value	1 A
• at 125 V rated value	2 A
• at 110 V rated value	3 A
• at 60 V rated value	6 A
• at 48 V rated value	6 A
• at 24 V rated value	10 A

UL/CSA ratings	
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

Short-circuit protection

Design of the fuse link

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

gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200

A (415 V, 80 kA)

- with type of assignment 2 required

gG: 160A (690V,100kA), aM: 80A (690V,100kA), BS88: 125A

(415V,80kA)

 \bullet for short-circuit protection of the auxiliary switch

required

gG: 10 A (500 V, 1 kA)

Installation/ mounting/ dimensions

Mounting position	+/-180° rotation possible on vertical mounting surface; can be
mounting position	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 Required enesing	195 mm
Required spacing	
with side-by-side mounting	20 mm
— forwards	
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
• for live parts	
— forwards	20 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
 at contactor for auxiliary contacts 	Screw-type terminals
• of magnet coil	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
• finely stranded with core end processing	2.5 50 mm²
Connectable conductor cross-section for auxiliary	
contacts	

 single or multi-stranded 	0.5 2.5 mm ²
 finely stranded with core end processing 	0.5 2.5 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)
AWG number as coded connectable conductor cross	
section	
• for main contacts	10 2
for auxiliary contacts	20 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 %
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	20 y
IEC 61508	
Protection against electrical shock	finger-safe when touched vertically from front acc. to IEC 60529

Certificates/ approvals

General Product Approval EMC Declaration of Conformity













Declaration of	of
Conformity	

Test Certificates

Marine / Shipping

Miscellaneous

Special Test Certificate









Marine / Shipping other



Confirmation

Further information

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

www.siemens.com/sirius/catalogs

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2045-1AL24

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2045-1AL24}\\$

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AL24

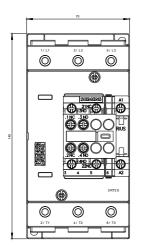
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-1AL24&lang=en

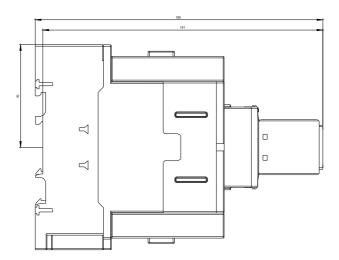
Characteristic: Tripping characteristics, I2t, Let-through current

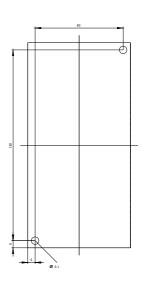
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-1AL24/char

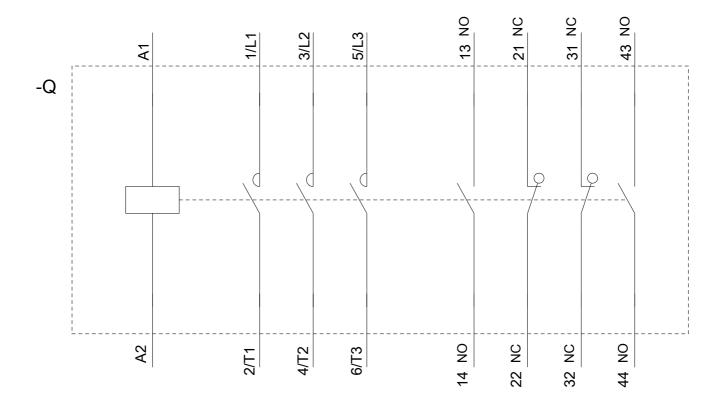
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2045-1AL24&objecttype=14&gridview=view1









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