# **SIEMENS**

Data sheet 3RT2025-2AN24

power contactor, AC-3 17 A, 7.5 kW / 400 V 2 NO + 2 NC, 220 V AC, 50 / 60 Hz, 3-pole, Size S0, Spring-type terminal Removable auxiliary switch



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

General technical data	
Size of contactor	S0
Product extension	
<ul> <li>function module for communication</li> </ul>	No
Auxiliary switch	No
Power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	2.7 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	0.9 W
Power loss [W] for rated value of the current without	7.9 W
load current share typical	
Surge voltage resistance	
<ul> <li>of main circuit rated value</li> </ul>	6 kV
<ul> <li>of auxiliary circuit rated value</li> </ul>	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>between coil and main contacts acc. to EN</li> </ul>	400 V
60947-1	

<ul> <li>protection class IP on the front</li> </ul>	IP20
<ul> <li>Protection class IP of the terminal</li> </ul>	IP20
Shock resistance at rectangular impulse	
• at AC	7,5g / 5 ms, 4,7g / 10 ms
Shock resistance with sine pulse	
• at AC	11,8g / 5 ms, 7,4g / 10 ms
Mechanical service life (switching cycles)	
of contactor typical	10 000 000
<ul> <li>of the contactor with added electronics- compatible auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Reference code acc. to DIN EN 81346-2	Q
Ambient conditions	
Installation altitude at height above sea level	
• maximum	2 000 m
Ambient temperature	
<ul><li>during operation</li></ul>	-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	690 V
Operating current	
● at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	40 A
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	40 A
<ul> <li>up to 690 V at ambient temperature 60 °C rated value</li> </ul>	35 A
• at AC-2 at 400 V rated value	17 A
• at AC-3	
— at 400 V rated value	17 A
— at 500 V rated value	17 A
— at 690 V rated value	13 A
• at AC-4 at 400 V rated value	15.5 A
• at AC-5a up to 690 V rated value	35.2 A
<ul><li>at AC-5a up to 690 V rated value</li><li>at AC-5b up to 400 V rated value</li></ul>	35.2 A 14.1 A

<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	11.4 A
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	11.4 A
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	11.4 A
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	11.3 A
• at AC-6a	
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	7.6 A
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	7.6 A
— up to 690 V for current peak value n=30 rated value	7.6 A
Minimum cross-section in main circuit	
• at maximum AC-1 rated value	10 mm²
Operating current for approx. 200000 operating cycles at AC-4	
• at 400 V rated value	7.7 A
• at 690 V rated value	7.7 A
Operating current	
• at 1 current path at DC-1	
— at 24 V rated value	35 A
— at 110 V rated value	4.5 A
— at 220 V rated value	1 A
— at 440 V rated value	0.4 A
— at 600 V rated value	0.25 A
<ul> <li>with 2 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	5 A
— at 440 V rated value	1 A
— at 600 V rated value	0.8 A
<ul> <li>with 3 current paths in series at DC-1</li> </ul>	
— at 24 V rated value	35 A
— at 110 V rated value	35 A
— at 220 V rated value	35 A
— at 440 V rated value	2.9 A
— at 600 V rated value	1.4 A
Operating current	

	• at 1 current path at DC-3 at DC-5	
- at 220 V rated value	— at 24 V rated value	20 A
- at 440 V rated value	— 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 110 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 24 V rated value  - at 24 V rated value  - at 24 V rated value  - at 25 V rated value  - at 27 V rated value  - at 28 V rated value  - at 110 V rated value  - at 110 V rated value  - at 20 V rated value  - at 40 V rated value  - at 600 V rated value  - at 230 V rated value  - at 230 V rated value  - at 400 V rated value  - at 690 V rated	— 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 440 V rated value	0.09 A
- at 24 V rated value	— at 600 V rated value	0.06 A
- at 110 V rated value	• with 2 current paths in series at DC-3 at DC-5	
at 220 V rated value	— at 24 V rated value	35 A
at 440 V rated value 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 35 A at 110 V rated value 35 A at 220 V rated value 10 A at 440 V rated value 0.6 A at 600 V rated value 0.6 A  Operating power  • at AC-2 at 400 V rated value 10 A at 230 V rated value 10 A at 400 V rated value 10 A  at 600 V rated value 10 A  Operating power  • at AC-3 at 230 V rated value 10 A at 400 V rated value 11 kW  at 400 V rated value 11 kW  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 11 kW  Operating apparent output at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value	— at 110 V rated value	15 A
<ul> <li>— at 600 V rated value</li> <li>● with 3 current paths in series at DC-3 at DC-5</li> <li>— at 24 V rated value</li> <li>— at 110 V rated value</li> <li>— 35 A</li> <li>— at 220 V rated value</li> <li>— 10 A</li> <li>— at 440 V rated value</li> <li>— 0.6 A</li> <li>— at 600 V rated value</li> <li>— 0.6 A</li> <li>Operating power</li> <li>• at AC-2 at 400 V rated value</li> <li>— at 230 V rated value</li> <li>— at 400 V rated value</li> <li>— at 500 V rated value</li> <li>— at 500 V rated value</li> <li>— at 690 V rated value</li> <li>— at 400 V rated value</li> <li>— at 400 V rated value</li> <li>— at 690 V rated value</li> <li>• at 400 V rated</li></ul>	— at 220 V rated value	3 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5         <ul> <li>at 24 V rated value</li> <li>at 110 V rated value</li> <li>at 220 V rated value</li> <li>at 220 V rated value</li> <li>0.6 A</li> <li>at 600 V rated value</li> <li>0.6 A</li> </ul> </li> <li>Operating power         <ul> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>7.5 kW</li> <li>at 500 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> </ul> </li> <li>Operating power for approx. 200000 operating cycles at AC-4         <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V roc current peak value n=20 rated value</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul> </li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	— at 440 V rated value	0.27 A
	— at 600 V rated value	0.16 A
- at 110 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 0.6 A - at 600 V rated value 0.6 A  Operating power  • at AC-2 at 400 V rated value • at AC-3 - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value - at 690 V rated value 11 kW  Operating power for approx. 200000 operating cycles at AC-4 • at 400 V rated value • at 400 V rated value • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value	— at 24 V rated value	35 A
- at 440 V rated value 0.6 A  - at 600 V rated value 0.6 A  Operating power  • at AC-2 at 400 V rated value 7.5 kW  • at AC-3  - at 230 V rated value 4 kW  - at 400 V rated value 7.5 kW  - at 500 V rated value 7.5 kW  - at 690 V rated value 11 kW  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 3.5 kW  • at 690 V rated value 6 kW  Operating apparent output at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value	— at 110 V rated value	35 A
— at 600 V rated value  Operating power  • 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  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  • at	— at 220 V rated value	10 A
Operating power  • 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 — 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  6 kW  Operating apparent output at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated	— at 440 V rated value	0.6 A
<ul> <li>at AC-2 at 400 V rated value</li> <li>at AC-3</li> <li>at 230 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 690 V rated value</li> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>at 7.8 kV·A</li> </ul>	— at 600 V rated value	0.6 A
at AC-3  — at 230 V rated value  — at 400 V rated value  — at 500 V rated value  — at 690 V rated value  — at 690 V rated value  11 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  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated	Operating power	
- at 230 V rated value - at 400 V rated value 7.5 kW - at 500 V rated value 7.5 kW - at 690 V rated value 11 kW  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value • at 690 V rated value 6 kW  Operating apparent output at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated	• at AC-2 at 400 V rated value	7.5 kW
- at 400 V rated value - at 500 V rated value - at 690 V rated value 11 kW  Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value 3.5 kW • at 690 V rated value 6 kW  Operating apparent output at AC-6a • up to 230 V for current peak value n=20 rated value • up to 400 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated value • up to 500 V for current peak value n=20 rated	• at AC-3	
- at 500 V rated value  - at 690 V rated value  11 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  6 kW  Operating apparent output at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated	— at 230 V rated value	4 kW
- 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  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated	— at 400 V rated value	7.5 kW
Operating power for approx. 200000 operating cycles at AC-4  • at 400 V rated value  • at 690 V rated value  6 kW  Operating apparent output at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated  • up to 500 V for current peak value n=20 rated  9.9 kV·A	— at 500 V rated value	7.5 kW
<ul> <li>at AC-4 <ul> <li>at 400 V rated value</li> <li>at 690 V rated value</li> <li>6 kW</li> </ul> </li> <li>Operating apparent output at AC-6a <ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated value n=20 rated value</li> </ul> </li> </ul>	— at 690 V rated value	11 kW
<ul> <li>at 690 V rated value</li> <li>Operating apparent output at AC-6a</li> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated</li> <li>up to 500 V for current peak value n=20 rated</li> <li>9.9 kV·A</li> </ul>		
Operating apparent output at AC-6a  • up to 230 V for current peak value n=20 rated value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated 9.9 kV·A	• at 400 V rated value	3.5 kW
<ul> <li>up to 230 V for current peak value n=20 rated value</li> <li>up to 400 V for current peak value n=20 rated value</li> <li>up to 500 V for current peak value n=20 rated</li> <li>9.9 kV·A</li> </ul>	• at 690 V rated value	6 kW
value  • up to 400 V for current peak value n=20 rated value  • up to 500 V for current peak value n=20 rated  9.9 kV⋅A	Operating apparent output at AC-6a	
value  ■ up to 500 V for current peak value n=20 rated  9.9 kV·A	·	4.5 kV·A
		7.8 kV·A
	·	9.9 kV·A
• up to 690 V for current peak value n=20 rated value 13.6 kV·A		13.6 kV·A
Operating apparent output at AC-6a	Operating apparent output at AC-6a	
• up to 230 V for current peak value n=30 rated value 3 kV·A	•	3 kV·A
• up to 400 V for current peak value n=30 rated 5.2 kV·A value		5.2 kV·A

• up to 500 V for current peak value n=30 rated	6.6 kV·A
value	
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	9.1 kV·A
Short-time withstand current in cold operating state	
up to 40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	225 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	225 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	180 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	115 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	96 A; Use minimum cross-section acc. to AC-1 rated value
No-load switching frequency	
• at AC	5 000 1/h
Operating frequency	
• at AC-1 maximum	1 000 1/h
• at AC-2 maximum	1 000 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	220 V
• at 60 Hz rated value	220 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	68 V·A
	67 V·A

0.72

0.74

7.9 V·A

6.5 V·A

• at 50 Hz

• at 60 Hz

• at 50 Hz

• at 60 Hz

Inductive power factor with closing power of the coil

Inductive power factor with the holding power of the

Apparent holding power of magnet coil at AC

coil

● at 50 Hz	0.25
● at 60 Hz	0.28
Closing delay	
• at AC	9 38 ms
Opening delay	
• at AC	4 16 ms
Arcing time	10 10 ms
Control version of the switch operating mechanism	Standard A1 - A2

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	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)

OL/GSA fallings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	14 A
• at 600 V rated value	17 A
Yielded mechanical performance [hp]	

• for single-phase AC motor	
— at 110/120 V rated value	1 hp
— at 230 V rated value	3 hp
• for three-phase AC motor	
— at 200/208 V rated value	3 hp
— at 220/230 V rated value	5 hp
— at 460/480 V rated value	10 hp
— at 575/600 V rated value	15 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	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63A (690V,100kA), aM: 32A (690V,100kA), BS88: 63A (415V,80kA)
— with type of assignment 2 required	gG: 25A (690V,100kA), aM: 20A (690V,100kA), BS88: 25A (415V,80kA)
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)

nstallation/ mounting/ dimensions	
<ul><li>mounting position</li></ul>	+/-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
. 0:1	according to DIN EN 60715
Side-by-side mounting	Yes
Height	102 mm
Width	45 mm
Depth	144 mm
Required spacing	
<ul><li>with side-by-side mounting</li></ul>	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
• for grounded parts	
— forwards	10 mm
— upwards	10 mm
— at the side	6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm

— downwards	10 mm
— at the side	6 mm

Connections/ Terminals	
Type of electrical connection for main current	spring-loaded terminals
circuit	and a ded to well a
<ul> <li>Type of electrical connection for auxiliary and control current circuit</li> </ul>	spring-loaded terminals
<ul> <li>Type of electrical connection at contactor for auxiliary contacts</li> </ul>	Spring-type terminals
<ul> <li>Type of electrical connection of magnet coil</li> </ul>	Spring-type terminals
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (1 10 mm²)
<ul> <li>single or multi-stranded</li> </ul>	2x (1 10 mm²)
— finely stranded with core end processing	2x (1 6 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (1 6 mm²)
<ul> <li>at AWG conductors for main contacts</li> </ul>	2x (18 8)
Connectable conductor cross-section for main	
contacts	
• solid	1 10 mm²
• stranded	1 10 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	1 6 mm²
<ul> <li>finely stranded without core end processing</li> </ul>	1 6 mm²
Connectable conductor cross-section for auxiliary contacts	
<ul> <li>single or multi-stranded</li> </ul>	0.5 2.5 mm²
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 1.5 mm <sup>2</sup>
<ul> <li>finely stranded without core end processing</li> </ul>	0.5 2.5 mm²
Type of connectable conductor cross-sections	
• for auxiliary contacts	
<ul><li>— single or multi-stranded</li></ul>	2x (0,5 2,5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²)
<ul><li>finely stranded without core end processing</li></ul>	2x (0.5 2.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	2x (20 14)
AWG number as coded connectable conductor cross section	
• for main contacts	18 8
• for auxiliary contacts	20 14

	COLUMN TO A VI		919
Sarety		u u	0 0

B10 value

• with high demand rate acc. to SN 31920	1 000 000
Proportion of dangerous failures	
<ul> <li>with low demand rate acc. to SN 31920</li> </ul>	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	
<ul> <li>Mirror contact acc. to IEC 60947-4-1</li> </ul>	Yes
<ul><li>positively driven operation acc. to IEC 60947-5-</li></ul>	No
T1 value for proof test interval or service life acc. to IEC 61508	20 y
Protection against electrical shock	finger-safe
Suitability for use safety-related switching OFF	Yes

# Certificates/ approvals

# General Product Approval

EMC











Functional Safety/Safety of Machinery	Declaration of Conformity	Test Certificates	Marine / Ship- ping
Type Examination Certificate	Miscellaneous  EG-Konf.	Type Test Certificates/Test Report Special Test Certificate	ABS

# Marine / Shipping









KC





### other

Confirmation



#### Further information

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

https://www.siemens.com/ic10

#### Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RT2025-2AN24

#### Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2025-2AN24

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2AN24

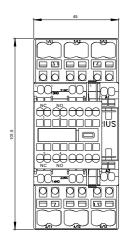
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2025-2AN24&lang=en

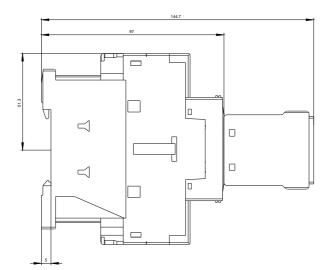
#### Characteristic: Tripping characteristics, I2t, Let-through current

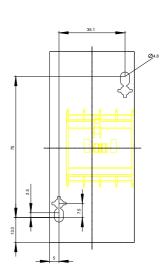
https://support.industry.siemens.com/cs/ww/en/ps/3RT2025-2AN24/char

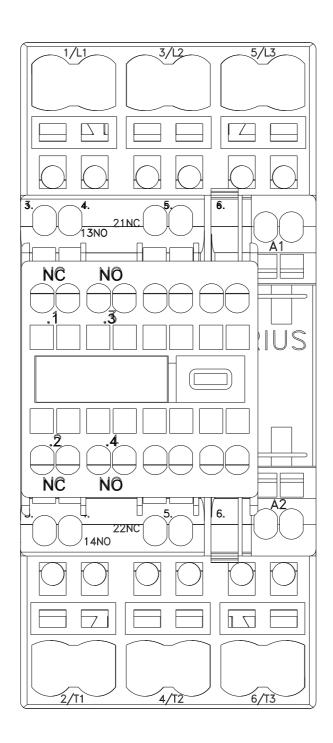
#### Further characteristics (e.g. electrical endurance, switching frequency)

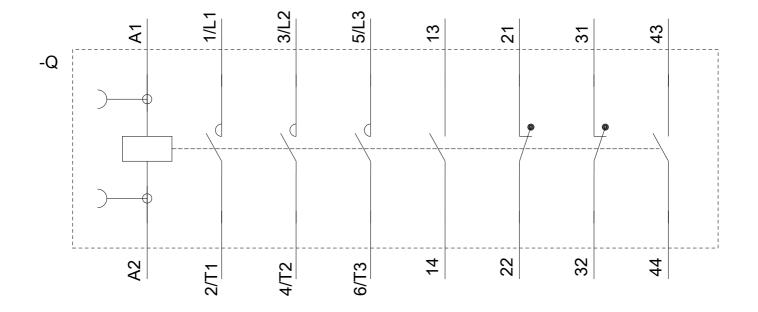
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2025-2AN24&objecttype=14&gridview=view1











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