SIEMENS

Data sheet 3RT2026-1AF04



CONTACTOR, AC-3, 11KW/400V, 2NO+2NC, AC110V 50HZ, 3-POLE, SZ SO SCREW TERMINAL REMOVABLE AUX. SWITCH

product brand name	SIRIUS
Product designation	3RT2 contactor

General technical data:	
Product expansion function module for	No
communication	
Insulation voltage	
Rated value	690 V
maximum permissible voltage for safe isolation	400 V
between coil and main contacts acc. to EN 60947-1	
Degree of pollution	3
Shock resistance	
at rectangular impulse	
— with AC	8,3g / 5 ms, 5,3g / 10 ms
● with sine pulse	
— with AC	13,5g / 5 ms, 8,3g / 10 ms
Surge voltage resistance Rated value	6 kV
Mechanical service life (switching cycles)	
 of the contactor typical 	10 000 000
 of the contactor with added electronics- 	5 000 000
compatible auxiliary switch block typical	
of the contactor with added auxiliary switch	10 000 000
block typical	
Thermal short-time current restricted to 10 s	200 A
Protection class IP	
• on the front	IP20

• of the terminal	IP20
Equipment marking	
• acc. to DIN EN 61346-2	Q
● acc. to DIN EN 81346-2	Q
Main circuit:	
Number of poles for main current circuit	3
Number of NC contacts for main contacts	0
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
— up to 690 V at ambient temperature 40 °C Rated value	40 A
— up to 690 V at ambient temperature 60 °C Rated value	35 A
• at AC-2 at 400 V Rated value	25 A
• at AC-3	
— at 400 V Rated value	25 A
— at 500 V Rated value	18 A
— at 690 V Rated value	13 A
• at AC-4 at 400 V Rated value	15.5 A
Operating current with 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
• at DC-3 at DC-5	
— at 24 V Rated value	20 A
— at 110 V Rated value	2.5 A
— at 220 V Rated value	1 A
— at 440 V Rated value	0.09 A
— at 600 V Rated value	0.06 A
Operating current with 2 current paths in series	
• at DC-1	
— 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 at 500 V Rated value at 500 V Rated value at 110 V Rated value at 220 V Rated value at 24 V Rated value at 24 V Rated value at 600 V Rated value at 600 V Rated value at 600 V Rated value at 100 V Rated value at 24 V Rated value at 24 V Rated value at 24 V Rated value		
at 10-3 at DC-5 at 110 V Rated value at 220 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 10-1 at 12-1 at 10-1 at 12-1 at 10-1 at 12-1 at 10-1	— at 440 V Rated value	1 A
- at 110 V Rated value - at 220 V Rated value - at 24 V Rated value - at 440 V Rated value - at 440 V Rated value - at 600 V Rated value - at 600 V Rated value - at 600 V Rated value - at 110 V Rated value - at 220 V Rated value - at 600 V Rated value - at 600 V Rated value - at 110 V Rated value - at 220 V Rated value - at 220 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 - at 400 V at 60 °C Rated value - at 600 V Rated value - at 400 V Rated value - at 600 V Rate	— at 600 V Rated value	0.8 A
- at 220 V Rated value - at 24 V Rated value - at 440 V Rated value - at 440 V Rated value - at 600 V Rated value - at 600 V Rated value - at 24 V Rated value - at 220 V Rated value - at 220 V Rated value - at 240 V Rated value - at 440 V Rated value - at 600 V Rated value - at 600 V Rated value - at 600 V Rated value - at 24 V Rated value - at 220 V Rated value - at 24 V Rated value - at 400 V	• at DC-3 at DC-5	
- at 24 V Rated value	— at 110 V Rated value	15 A
	— at 220 V Rated value	3 A
Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value — at 110 V Rated value — at 400 V Rated value — at 600 V Rated value — at 220 V Rated value — at 220 V Rated value — at 600 V Rated value — at 220 V Rated value — at 24 V Rated value — at 24 V Rated value — at 600 V Rated value — at 400 V at 60 °C Rated value — at 600 V at 60 °C Rated value — at 600 V at 60 °C Rated value — at 600 V Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 41 600 V Rated value 42 kW 43 kW 44 kW 46 kW Operating requency • at AC-1 maximum 41 COperating frequency • at AC-4 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum •	— at 24 V Rated value	35 A
Operating current with 3 current paths in series • at DC-1 — at 24 V Rated value 35 A — at 110 V Rated value 35 A — at 220 V Rated value 2.9 A — at 440 V Rated value 1.4 A • at DC-3 at DC-5 35 A — at 220 V Rated value 10 A — at 24 V Rated value 35 A — at 24 V Rated value 0.6 A — at 440 V Rated value 0.6 A — at 440 V Rated value 0.6 A — at 400 V Rated value 23 kW — at 490 V at 60 °C Rated value 23 kW — at 690 V Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 4.4 kW • at 400 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor 1.6 W Operating frequency • at AC-4 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h No-load switching frequency • with AC • with AC 5 000 1/h	— at 440 V Rated value	0.27 A
at 1 DC-1 at 24 V Rated value	— at 600 V Rated value	0.16 A
- at 24 V Rated value 35 A - at 110 V Rated value 35 A - at 220 V Rated value 35 A - at 220 V Rated value 2.9 A - at 440 V Rated value 1.4 A • at DC-3 at DC-5 - at 110 V Rated value 35 A - at 220 V Rated value 35 A - at 220 V Rated value 10 A - at 220 V Rated value 35 A - at 220 V Rated value 35 A - at 24 V Rated value 9.6 A - at 440 V Rated value 9.6 A Operating power • at AC-1 - at 230 V at 60 °C Rated value 23 kW - at 400 V at 60 °C Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 4.4 kW • at 690 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum 1000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h No-load switching frequency • with AC 5000 1/h Control circuit/ Control:	Operating current with 3 current paths in series	
— at 110 V Rated value 35 A — at 220 V Rated value 2.9 A — at 440 V Rated value 1.4 A • at DC-3 at DC-5 — at 110 V Rated value 35 A — at 220 V Rated value 1.4 A • at DC-3 at DC-5 — at 110 V Rated value 35 A — at 220 V Rated value 10 A — at 24 V Rated value 35 A — at 440 V Rated value 0.6 A — at 440 V Rated value 0.6 A Coperating power • at AC-1 — at 230 V at 60 °C Rated value 23 kW — at 400 V at 60 °C Rated value 40 kW Coperating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Coperating frequency • at AC-1 maximum 1000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h No-load switching frequency • with AC 5 000 1/h Control circuit/ Control:	• at DC-1	
— at 220 V Rated value — at 440 V Rated value — at 600 V Rated value — at 600 V Rated value — at 110 V Rated value — at 220 V Rated value — at 220 V Rated value — at 24 V Rated value — at 440 V Rated value — at 440 V Rated value — at 600 V Rated value — at 400 V at 60 °C Rated value — at 400 V at 60 °C Rated value — at 690 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 400 V Rated value • at 690 V Rated value • at AC-3 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 moximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-9 maximum • at AC-1 ma	— at 24 V Rated value	35 A
— at 440 V Rated value — at 600 V Rated value	— at 110 V Rated value	35 A
- at 600 V Rated value • 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 400 V Rated value — at 400 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 Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 moximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-7 maximum • at AC-8 maximum • at AC-8 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-7 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximu	— at 220 V Rated value	35 A
at DC-3 at DC-5 — 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 600 V Rated value — at 400 V at 60 °C Rated value — at 400 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 Rated value — at 690 V Rated value • at 400 V Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-8 maximum • at AC-9 maximum • at AC-9 maximum • at AC-1 maximum • at AC-1 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-6 maximum • at AC-6 maximum • at AC-7 maximum • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-5 maximum • at AC-6 maximum • at AC-6 maximum • at AC-1 max	— at 440 V Rated value	2.9 A
- at 110 V Rated value - at 220 V Rated value 10 A - at 224 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-1 - at 230 V at 60 °C Rated value 23 kW - at 400 V at 60 °C Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum 250 1/h No-load switching frequency • with AC Control Circuit/ Control:	— at 600 V Rated value	1.4 A
	• at DC-3 at DC-5	
	— at 110 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-1 — at 230 V at 60 °C Rated value 23 kW — at 490 V at 60 °C Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum 1000 1/h • at AC-2 maximum 750 1/h • at AC-4 maximum 250 1/h No-load switching frequency • with AC 5 000 1/h Control circuit/ Control:	— at 220 V Rated value	10 A
— at 600 V Rated value 0.6 A Operating power • at AC-1 — at 230 V at 60 °C Rated value 13.3 kW — at 400 V at 60 °C Rated value 23 kW — at 690 V at 60 °C Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum 1000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 750 1/h • at AC-4 maximum 250 1/h No-load switching frequency • with AC 5 000 1/h No-load switching frequency • with AC 5 5000 1/h Control circuit/ Control:	— at 24 V Rated value	35 A
Operating power • at AC-1 — at 230 V at 60 °C Rated value — at 400 V at 60 °C Rated value 23 kW — at 690 V at 60 °C Rated value Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value 4.4 kW • at 690 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum 1 000 1/h • at AC-2 maximum 750 1/h • at AC-3 maximum 250 1/h No-load switching frequency • with AC S 000 1/h Control circuit/ Control:	— at 440 V Rated value	0.6 A
at AC-1 — at 230 V at 60 °C Rated value — at 400 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 Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-3 maximum • at AC-4 maximum No-load switching frequency • with AC Control circuit/ Control:	— at 600 V Rated value	0.6 A
at 230 V at 60 °C Rated value at 400 V at 60 °C Rated value 23 kW at 690 V at 60 °C Rated value 40 kW Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor 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 750 1/h No-load switching frequency • with AC Control circuit/ Control:	Operating power	
- at 400 V at 60 °C Rated value - at 690 V at 60 °C Rated value Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum Too 1/h • at AC-4 maximum Too 1/h • at AC-4 maximum Too 1/h • at AC-4 maximum Too 1/h • at AC-5 maximum Too 1/h • at AC-6 maximum Too 1/h • at AC-7 maximum Too 1/h • at AC-8 maximum Too 1/h • at AC-9 maximum Too 1/h • at AC-9 maximum Too 1/h • at AC-1 maximum Too 1/h • at AC-1 maximum Too 1/h • at AC-1 maximum Too 1/h • at AC-2 maximum Too 1/h • at AC-3 maximum Too 1/h • at AC-4 maximum Too 1/h • at AC-5 maximum Too 1/h • at AC-6 maximum Too 1/h • at AC-7 maximum Too 1/h • at AC-9 maximum Too 1/h • at AC-9 maximum Too 1/h • at AC-1 maximum Too 1/h • at AC-1 maximum Too 1/h • at AC-1 maximum Too 1/h	• at AC-1	
— at 690 V at 60 °C Rated value Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value 7.7 kW Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum 750 1/h • at AC-4 maximum • at AC-4 maximum No-load switching frequency • with AC S 000 1/h Control circuit/ Control:	— at 230 V at 60 °C Rated value	13.3 kW
Operating power for ≥ 200000 operating cycles at AC-4 • at 400 V Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum No-load switching frequency • with AC Control circuit/ Control:	— at 400 V at 60 °C Rated value	23 kW
AC-4 • at 400 V Rated value • at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum No-load switching frequency • with AC Control circuit/ Control:	— at 690 V at 60 °C Rated value	40 kW
at 690 V Rated value Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum No-load switching frequency with AC Control circuit/ Control:		
Active power loss at AC-3 at 400 V for rated value of the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum • at AC-4 maximum No-load switching frequency • with AC • with AC 1.6 W 1.6	● at 400 V Rated value	4.4 kW
the operating current per conductor Operating frequency • at AC-1 maximum • at AC-2 maximum • at AC-3 maximum • at AC-4 maximum No-load switching frequency • with AC Control circuit/ Control:	● at 690 V Rated value	7.7 kW
 at AC-1 maximum at AC-2 maximum at AC-3 maximum at AC-4 maximum at AC-4 maximum No-load switching frequency with AC 5 000 1/h Control circuit/ Control:	•	1.6 W
 at AC-2 maximum at AC-3 maximum at AC-4 maximum No-load switching frequency with AC 5 000 1/h Control circuit/ Control:	Operating frequency	
at AC-3 maximum at AC-4 maximum at AC-4 maximum Too 1/h 250 1/h No-load switching frequency with AC 5 000 1/h Control circuit/ Control:	• at AC-1 maximum	1 000 1/h
 at AC-4 maximum No-load switching frequency with AC 5 000 1/h Control circuit/ Control:	• at AC-2 maximum	750 1/h
No-load switching frequency • with AC 5 000 1/h Control circuit/ Control:	• at AC-3 maximum	750 1/h
• with AC 5 000 1/h Control circuit/ Control:	• at AC-4 maximum	250 1/h
Control circuit/ Control:	No-load switching frequency	
	• with AC	5 000 1/h
	Control circuit/ Control:	
Type of voltage of the control supply voltage AC		AC

Control supply voltage with AC	
• at 50 Hz Rated value	110 V
Operating range factor control supply voltage rated	110 V
value of the magnet coil with AC	
● at 50 Hz	0.8 1.1
Apparent pick-up power of the magnet coil with AC	
● at 50 Hz	77 V·A
Inductive power factor with closing power of the coil	
● at 50 Hz	0.82
Apparent holding power of the magnet coil with AC	
● at 50 Hz	9.8 V·A
Inductive power factor with the holding power of the	
coil	
● at 50 Hz	0.25
Closing delay	
• with AC	8 40 ms
Opening delay	
• with AC	4 16 ms
Arcing time	10 10 ms
Residual current of the electronics for control with signal <0>	
 with AC at 230 V maximum permissible 	7 mA
with AC at 230 V maximum permissiblefor DC at 24 V maximum permissible	7 mA 16 mA
·	
• for DC at 24 V maximum permissible	
for DC at 24 V maximum permissible Auxiliary circuit:	
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts for auxiliary contacts	16 mA
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts for auxiliary contacts — instantaneous contact	16 mA
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts for auxiliary contacts — instantaneous contact Number of NO contacts	16 mA
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts for auxiliary contacts	16 mA
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts for auxiliary contacts — instantaneous contact Number of NO contacts for auxiliary contacts instantaneous contact — instantaneous contact	2 2
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A 6 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A 6 A 3 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A 6 A 3 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 No 10 A 6 A 3 A 1 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A 6 A 3 A 1 A
for DC at 24 V maximum permissible Auxiliary circuit: Number of NC contacts	2 2 No 10 A 6 A 3 A 1 A 6 A 3 A

Operating current at DC-13	
• at 24 V Rated value	6 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 the 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	21 A
• at 600 V Rated value	22 A
yielded mechanical performance [hp]	
 for single-phase AC motor 	
— at 110/120 V Rated value	2 hp
— at 230 V Rated value	3 hp
 for three-phase AC motor 	
— at 200/208 V Rated value	5 hp
— at 220/230 V Rated value	7.5 hp
— at 460/480 V Rated value	15 hp
— at 575/600 V Rated value	20 hp
Contact rating of the auxiliary contacts acc. to UL	A600 / Q600

Short-circuit:

Design of the fuse link

• for short-circuit protection of the main circuit

— with type of assignment 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: 100 A gL/gG LV HRC 3NA, DIAZED 5SB, NEOZED 5SE: 35 A fuse gL/gG: 10 A

Installation/ mounting/ dimensions:	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
 Side-by-side mounting 	Yes
Height	85 mm
Width	45 mm
Depth	141 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-section	
• for main contacts	
 single or multi-stranded 	2x (1 2,5 mm²), 2x (2,5 10 mm²)
 finely stranded with core end processing 	2x (1 2.5 mm²), 2x (2.5 6 mm²), 1x 10 mm²
 for AWG conductors for main contacts 	2x (16 12), 2x (14 8)
• 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)

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-	Yes
1	
T1 value for proof test interval or service life acc. to IEC 61508	20 y

• for AWG conductors for auxiliary contacts

2x (20 ... 16), 2x (18 ... 14)

Protection against electrical shock	finger-safe
Mechanical data:	
Size of contactor	S0
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

Certificates/ approvals:

_	• •		
	General Product Approval	EMC	Functional
			Safety/Safety
			of Machinery
			Tuno Evamination











Type Examination

Declaration of Conformity	Test Certificates)	Shipping App	oroval		
	Type Test	Special Test	THEAN BURN	WE STE	₽ &	



Certificates/Test Report

Certificate







other

Shipping Approval



GL



LRS





Environmental Confirmations

other

Confirmation



Further information

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

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

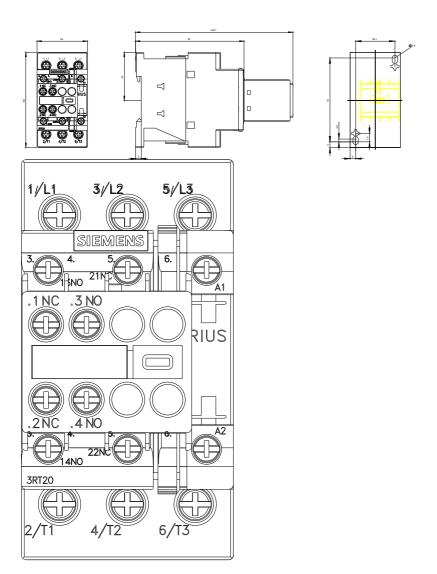
Industry Mall (Online ordering system) http://www.siemens.com/industrymall

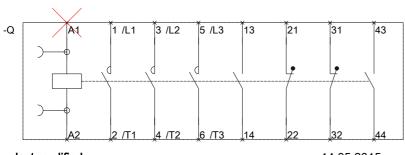
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT20261AF04

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3RT20261AF04

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT20261AF04&lang=en





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