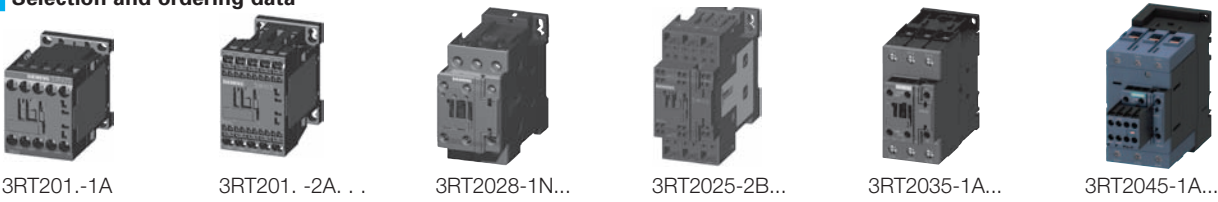


Contactors for Switching Motors

3RT contactors, 3-pole – Size S00 to S3

CONTACTORS AND ASSEMBLIES 2

Selection and ordering data



Frame Size	Amp Ratings		Single-phase HP ratings			Three-phase HP ratings				Auxiliary contacts		Screw Terminals	Spring-Loaded Terminals	Weight approx. kg
	AC3	AC1	115V	208V	230V	208V	230V	460V	575V	NO	NC	Order No.	Order No.	
3RT 3-pole contactors														
S00	6	18	0.25	0.5	0.75	1.5	2	3	5	1	0	3RT2015-1□●●1	3RT2015-2□●●1	0.24/0.29
	9	22	0.33	1	1	2	3	5	7.5	1	0	3RT2016-1□●●1	3RT2016-2□●●1	
	12	22	0.5	1.5	2	3	3	7.5	10	1	0	3RT2017-1□●●1	3RT2017-2□●●1	
	16	22	1	2	2	3	5	10	10	1	0	3RT2018-1□●●1	3RT2018-2□●●1	
S0	9	40	1	1	1	2	3	5	7.5	1	1	3RT2023-1□●●0	3RT2023-2□●●0	0.42/0.60
	12	40	1	2	2	3	3	7.5	10	1	1	3RT2024-1□●●0	3RT2024-2□●●0	
	17	40	1	2	3	5	5	10	15	1	1	3RT2025-1□●●0	3RT2025-2□●●0	
	25	40	2	3	3	7.5	7.5	15	20	1	1	3RT2026-1□●●0	3RT2026-2□●●0	
	32	50	2	5	5	10	10	20	25	1	1	3RT2027-1□●●0	3RT2027-2□●●0	
S2	40	50	3	5	5	10	10	25	25	1	1	3RT2028-1□●●0	3RT2028-2□●●0	0.99/1.121
	50	60	3	5	7.5	10	15	30	40	1	1	3RT2035-1□●●0	3RT2035-3□●●0	
	65	70	3	7.5	10	15	15	40	50	1	1	3RT2036-1□●●0	3RT2036-3□●●0	
	80 ²⁾	80	5	10	10	20	20	50	50	1	1	3RT2037-1□●●0	3RT2037-3□●●0	
S3	80	90	5	10	15	20	25	50	60	1	1	3RT2038-1□●●0	3RT2038-3□●●0	1.8/2.8
	80	125	7.5	10	15	25	30	60	60	1	1	3RT2045-1□●●0	3RT2045-3□●●0	
	95	130	10	10	20	30	30	75	75	1	1	3RT2046-1□●●0	3RT2046-3□●●0	
	110	130	10	10	20	30	40	75	100	1	1	3RT2047-1□●●0	3RT2047-3□●●0	
Size S2 & S3 only: Replace "B" with "K" for 24VDC coil only Size S0-S3 only: UC Electronic with integrated varistor												<input type="checkbox"/> AC Coil = A <input type="checkbox"/> DC Coil = B <input type="checkbox"/> UC Coil = N	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> N	

NEMA Size	Amp Ratings	Single-phase HP ratings		Three-phase HP ratings				Auxiliary contacts		Screw Terminals with AC coil	Screw Terminals with 24 VDC coil	Weight approx. kg
		115V	230V	208V	230V	460V	575V	NO	NC	Order No.	Order No.	
NEMA Labeled Contactors												
0	18	1	2	3	3	5	5	1	0	3RT2018-1A●●1-0UA0	3RT2018-1BB41-0UA0	0.28
1	27	2	3	7.5	7.5	10	10	1	1	3RT2027-1A●●0-0UA0	3RT2027-1BB40-0UA0	0.42
2	45	3	7.5	10	15	25	25	1	1	3RT2036-1A●●0-0UA0	3RT2036-1NB30-0UA0	0.986/1.121
3	90	7.5	15	25	30	50	50	1	1	3RT2046-1A●●0-0UA0	3RT2046-1NB40-0UA0	1.8 / 2.8

1) All terminals are spring loaded on frame sizes S00 & S0.
 Only the coil terminals are spring loaded on frame sizes S2 & S3.
 2) Max UL FLA = 65A at 460V

Note: Ring lug terminals are also available in size S00 & S0 contactors, except contactors with communication interface or UC coil. Change the 8th digit of the order number to a "4", e. g. 3RT2015-4AK61.

For further coil voltages, see page 2/49.
 For auxiliaries and accessories, see page 2/66-2/83.
 For spare parts, see page 2/94-2/99.
 For technical data, see page 2/121-2/142.
 For description, see page 2/104-2/105.
 For int. circuit diagrams, see page 2/190-2/197.
 For dimension drawings, see page 2/209-2/212.

AC Coil Selection for 3RT201 through 3RT204

●●Coil Code	C2 ²⁾	H2 ³⁾	K6	P6	U6	V6	T6
60 Hz	24 V	48 V	120 V	240 V	277 V	480 V	600 V
50 Hz	24 V	48 V	110 V	220 V	—	—	—

²⁾ Use Code B0 for 3RT201, S00
³⁾ Use Code H0 for 3RT201, S00

DC Coil Selection for 3RT201 & 3RT202 (for 3RT203 & 3RT204 see UC)

●●Coil Code	A4 ⁴⁾	B4	W4	E4	F4	G4	M4
DC	12 V	24 V	48 V	60 V	110 V	125 V	220 V

⁴⁾ 3RT201 and 3RT202 only

UC Coil Selection for 3RT202

●●Coil Code	B3	F3	P3 ⁴⁾
UC	21-28V	95-130V	200-280V

UC Coil Selection for 3RT203 & 3RT204

●●	B3	F3	P3 ⁵⁾
UC	20-33V	83-155V	175-280V

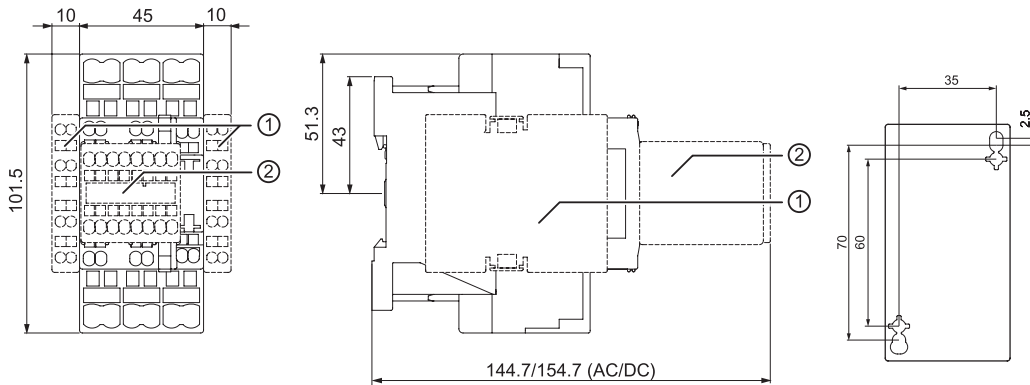
⁵⁾ at upper limit = 1.1 x U_S

3RT20 contactors, 3-pole

Dimension drawings

3RT2.2-2 and 3RT202-.....0LA2 contactors

Size S0 (spring-loaded connection) with auxiliary switch blocks mounted



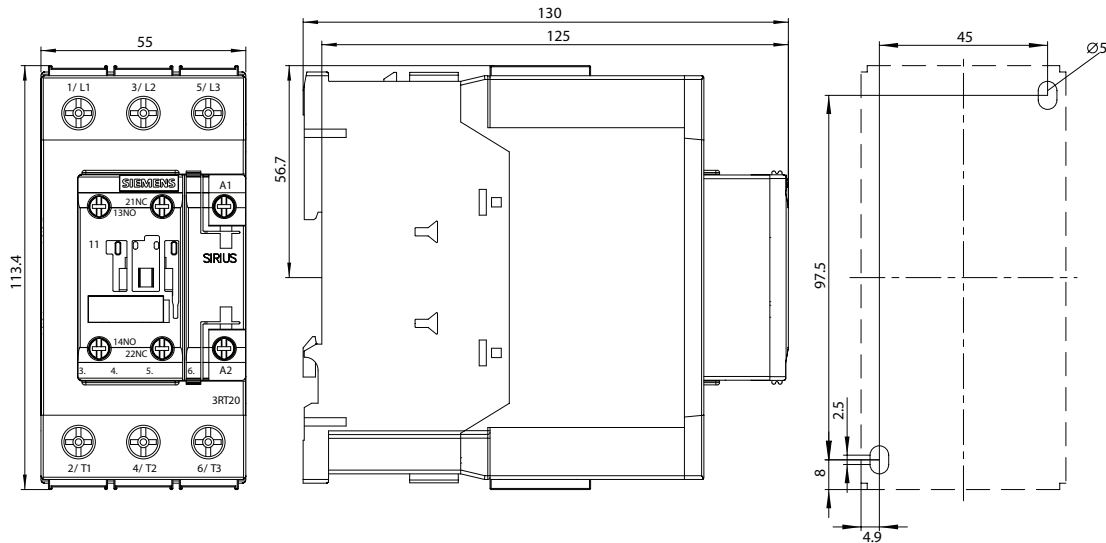
For size S0:

- 1) Laterally mountable auxiliary switch block 3RH2921-2DA.. / -2DE..
- 2) Auxiliary switch block for mounting on the front 3RH2911-2FA.. / -2GA.. / -2HA.. / -2NF..

3RT20 3 contactors

Size S2 and NEMA Size 2, screw connection

with surge suppressor, auxiliary switch blocks and mounted overload relay



For specific dimensions, 2D / 3D CAD files and technical data, please visit www.siemens.com/cax

For size S2:

- a = 0 mm with varistor < 240 V, diode assembly
- a = 3.5 mm with varistor > 240 V
- a = 17 mm with RC element
- b = DC 15 mm deeper than AC

- 1) Auxiliary switch block, laterally mountable
- 2) Auxiliary switch block, mountable on the front (1, 2 and 4-pole)
- 3) Surge suppressor
- 4) Drilling pattern