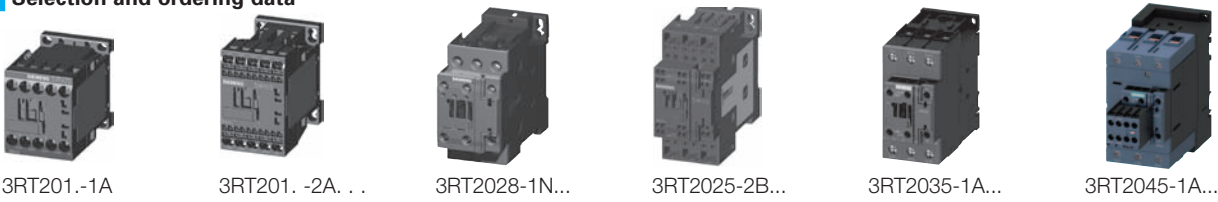


# Contactors for Switching Motors

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.	
<b>3RT 3-pole contactors</b>														
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	0	1	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	60	3	5	7.5	10	15	30	40	1	1	3RT2035-1□●●0	3RT2035-3□●●0	0.99/1.121
	50	70	3	7.5	10	15	15	40	50	1	1	3RT2036-1□●●0	3RT2036-3□●●0	
	65	80	5	10	10	20	20	50	50	1	1	3RT2037-1□●●0	3RT2037-3□●●0	
	80 <sup>2)</sup>	90	5	10	15	20	25	50	60	1	1	3RT2038-1□●●0	3RT2038-3□●●0	
S3	80	125	7.5	10	15	25	30	60	60	1	1	3RT2045-1□●●0	3RT2045-3□●●0	1.8/2.8
	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

□ AC Coil = A  
 □ DC Coil = B  
 □ UC Coil = 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.	
<b>NEMA Labeled Contactors</b>												
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	3RT2046-1NB30-0UA0	1.8 / 2.8

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 2/51.  
 For auxiliaries and accessories, see page 2/68-2/85.  
 For spare parts, see page 2/96-2/101.  
 For technical data, see page 2/123-2/144.  
 For description, see page 2/106-2/107.  
 For int. circuit diagrams, see page 2/192-2/199.  
 For dimension drawings, see page 2/211-2/214.

**AC Coil Selection for 3RT201 through 3RT204**

●●Coil Code	C2 <sup>3)</sup>	H2 <sup>4)</sup>	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	—	—	—

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

●●Coil Code	A4 <sup>5)</sup>	B4	W4	E4	F4	G4	M4
DC	12 V	24 V	48 V	60 V	110 V	125 V	220 V

**UC Coil Selection for 3RT202**

●●Coil Code	B3	F3	P3 <sup>5)</sup>
UC	21-28V	95-130V	200-280V

**UC Coil Selection for 3RT203 & 3RT204**

●●	B3	F3	P3 <sup>6)</sup>
UC	20-33V	83-155V	175-280V

<sup>1)</sup> All terminals are spring loaded on frame sizes S00 & S0. Only the coil terminals are spring loaded on frame sizes S2 & S3.

<sup>2)</sup> Max UL FLA = 65A at 460V

<sup>3)</sup> Use Code **B0** for 3RT201, S00

<sup>4)</sup> Use Code **H0** for 3RT201, S00

<sup>5)</sup> 3RT201 and 3RT202 only

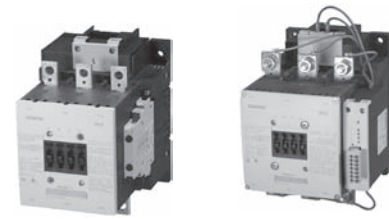
<sup>6)</sup> at upper limit = 1.1 x U<sub>s</sub>

# Contactors for Switching Motors

3RT contactors, 3-pole – Size S6-S12 and NEMA size 4-6

### Selection and ordering data

- \* AC/DC Coils with built in surge suppressor
- \* Coil Types (40Hz to 60Hz, DC):
- \* Conventional Coil
- \* Solid-state operated coil with wider range and 24 V DC PLC input
- \* Solid-state operated coil with Remaining Lifetime Indication (RLT)
- \* Box terminals ordered separately



3RT1054-6A . . 6

3RT1065-6P . . 5

2 CONTACTORS AND ASSEMBLIES

Frame Size	Amp Ratings		Single-phase HP ratings		Three-phase HP ratings				Auxiliary contacts		Screw Terminals on coil and aux. Order No.	Spring-type terminals on coil and aux. contacts Order No.	Weight approx. kg
	AC3	AC1	115V	230V	200V	230V	460V	575V	NO	NC			
<b>3RT 3-pole Contactors</b>													
S6	115	160	—	25	40	50	100	125	2	2	3RT1054-6□●●6	3RT1054-2□●●6	3.5
	150	185	—	30	50	60	125	150	2	2	3RT1055-6□●●6	3RT1055-2□●●6	
	185	215	—	30	60	75	150	200	2	2	3RT1056-6□●●6	3RT1056-2□●●6	
S10	225	275	—	—	60	75	150	200	2	2	3RT1064-6□●●6	3RT1064-2□●●6	6.7
	265	330	—	—	75	100	200	250	2	2	3RT1065-6□●●6	3RT1065-2□●●6	
	300	330	—	—	100	125	250	300	2	2	3RT1066-6□●●6	3RT1066-2□●●6	
S12	400	430	—	—	125	150	300	400	2	2	3RT1075-6□●●6	3RT1075-2□●●6	10.5
	500	610	—	—	150	200	400	500	2	2	3RT1076-6□●●6	3RT1076-2□●●6	
UC Conventional Coil <span style="float: right;">□</span> Solid State Operated Coil = <span style="float: right;">A</span> Solid State Operated Coil with RLT = <span style="float: right;">N</span> <span style="float: right;">P●●5</span>													

NEMA Size	Amp Ratings	Single-phase HP ratings		Three-phase HP ratings				Auxiliary contacts		Screw Terminals on coil and aux. Order No.	Spring-type terminals on coil and aux. contacts Order No.	Weight approx. kg
		115V	230V	208V	230V	460V	575V	NO	NC			
<b>NEMA Labeled Contactors</b>												
4	135	—	30	40	50	100	100	2	2	3RT1056-6A●●6-0UA0	—	3.5
5	300	—	—	100	125	250	300	2	2	3RT1066-6A●●6-0UA0	—	6.7
6	400	—	—	150	200	400	500	2	2	3RT1076-6A●●6-0UA0	—	10.5

All coil voltages are in the adjacent table.  
 For auxiliaries and accessories, see page 2/66-2/83.  
 For spare parts, see page 2/94-2/99.  
 For technical data, see page 2/143-2/151.  
 For description, see page 2/106-2/107.  
 For int. circuit diagrams, see page 2/196-2/198.  
 For dimension drawings, see page 2/213-2/217.

### Sizes S6 to S12 Coil Codes - UC operation (AC 50 to 60 Hz and DC)

UC Conventional Coil		Solid-State Coil		
Rated control supply voltage Us	3RT1. 5.-.A	Rated control supply voltage Us	3RT1. 5.-.N	3RT1. 5.-.P
Us min ... Us max <sup>1)</sup>	3RT1. 6.-.A	Us min ... Us max <sup>1)</sup>	3RT1. 6.-.N	3RT1. 6.-.P
	3RT1. 7.-.A		3RT1. 7.-.N	3RT1. 7.-.P
<b>Coil Codes</b>	●●	<b>Coil Codes</b>	●●	●●
23 ... 26 V AC/DC	B3	21 ... 27.3 V AC/DC	B3	—
42 ... 48 V AC/DC	D3	96 ... 127 V AC/DC	F3	F3
110 ... 127 V AC/DC	F3	200 ... 277 V AC/DC	P3	P3
200 ... 220 V AC/DC	M3			
220 ... 240 V AC/DC	P3			
240 ... 277 V AC/DC	U3			
380 ... 420 V AC/DC	V3			
440 ... 480 V AC/DC	R3			
500 ... 550 V AC/DC	S3			
575 ... 600 V AC/DC	T3			

1) Operating range:  
0.8 x Us min to 1.1 x Us max.