Size		**S00**				**S0**					
Type		3RT201				3RT202					
3RT20 contactors											
Type		**3RT2015**	**3RT2016**	**3RT2017**	**3RT2018**	**3RT2023**	**3RT2024**	**3RT2025**	**3RT2026**	**3RT2027**	**3RT2028**
AC, DC operation		(p. 3/55, 3/60 ... 3/63)				(p. 3/56, 3/57, 3/64 ... 3/66, 3/68)					
AC-3											
I_e/AC-3/400 V	A	7	9	12	16	9	12	17	25	32	38
400 V	**kW**	**3**	**4**	**5.5**	**7.5**	**4**	**5.5**	**7.5**	**11**	**15**	**18.5**
230 V	kW	1.5	2.2	3	4	2.2	3	4	5.5	7.5	11
690 V	kW	4	5.5	5.5	7.5	7.5	7.5	11	11	18.5	18.5
1 000 V	kW	--	--	--	--	--	--	--	--	--	--
AC-4 (at $I_a = 6 \times I_e$)											
400 V	**kW**	**3**	**4**	**4**	**5.5**	**4**	**5.5**	**7.5**	**7.5**	**11**	**11**
400 V (200 000 operating cycles)	kW	1.15	2	2	2.5	2	2.6	3.5	4.4	6	6
AC-1 (40 °C, ≤ 690 V)											
I_e	**A**	**18**	**22**	**22**	**22**	**40**	**40**	**40**	**40**	**50**	**50**
Accessories for contactors											
Auxiliary switch blocks	• On front	**3RH29, 3RA28**			(p. 3/94 ... 3/101)	**3RH29, 3RA28**					(p. 3/94 ... 3/101)
	• Lateral	**3RH29**			(p. 3/98)	**3RH29**					(p. 3/98)
Function modules	• Direct-on-line starting, star-delta (wye-delta) starting	**3RA281.**			(p. 3/106)	**3RA281.**					(p. 3/106)
	• IO-Link, AS-Interface	**3RA271.-.AA00**			(p. 3/107, 3/108)	**3RA271.-.AA00**					(p. 3/107, 3/108)
Surge suppressors		**3RT2916**			(p. 3/103, 3/104)	**3RT2926**					(p. 3/103, 3/104)
3RU2 and 3RB3 overload relays											
3RU thermal overload relays		**3RU2116**	0.11 ... 16 A		(p. 7/92)	**3RU2126**	1.8 ... 40 A				(p. 7/92)
3RB electronic overload relays											
• For standard applications		**3RB3016, 3RB3113**	0.1 ... 16 A		(p. 7/105 ... 7/107)	**3RB3026, 3RB3123**	0.1 ... 40 A				(p. 7/105 ... 7/107)
• For High-Feature applications		**3RB22, 3RB23 and 3RB24 with current measuring module**			(p. 7/128, 7/136)	**3RB22, 3RB23 and 3RB24 with current measuring module**					(p. 7/128, 7/136)
		3RB2906-2.G1	0.3 ... 25 A		(p. 7/140)	**3RB2906-2.G1**	0.3 ... 25 A				(p. 7/140)
3RV20 motor starter protectors											
Motor starter protectors		**3RV2011**	0.11 ... 16 A		(p. 7/28)	**3RV2021**	0.45 ... 40 A				(p. 7/29)
Link modules		**3RA1921, 3RA2911**			(p. 7/56)	**3RA2921**					(p. 7/56)
3RA23 reversing contactor assemblies											
Complete units	Type	**3RA2315**	**3RA2316**	**3RA2317**	**3RA2318**	**--**	**3RA2324**	**3RA2325**	**3RA2326**	**3RA2327**	**3RA2328**
		(p. 3/163)					(p. 3/164)				
400 V	**kW**	**3**	**4**	**5.5**	**7.5**		**5.5**	**7.5**	**11**	**15**	**18.5**
Assembly kits, etc.		**3RA2913-2AA.**			(p. 3/110)	**--**	**3RA2923-2AA.**				(p. 3/110)
Function modules		**3RA271.-.BA00**			(p. 3/107)	**--**	**3RA271.-.BA00**				(p. 3/107)
3RA24 contactor assemblies for star-delta (wye-delta) starting											
Complete units	Type	**3RA2415**	**3RA2416**	**3RA2417**		**3RA2423**		**3RA2425**	**3RA2426**		
		(p. 3/180)				(p. 3/181)					
400 V	**kW**	**5.5**	**7.5**	**11**		**11**		**15/18.5**	**22**		
Assembly kits/wiring modules		**3RA2913-2BB.**			(p. 3/111)	**3RA2923-2BB.**					(p. 3/111)
Function modules		**3RA271.-.CA00**			(p. 3/107)	**3RA271.-.CA00**					(p. 3/107)

Note:

Safety characteristics for contactors, see "Standards and approvals", page 16/6.

SIRIUS 3RT contactors, 3-pole up to 250 kW

Contactors with screw terminals: 3RT2 (sizes S00 to S3) and 3RT1 (sizes S6 to S12)

3RT contactors, sizes S00 to S12

Our power range:

- Contactors for switching motors:
  - Size S00: 3RT201 up to 7.5 kW
  - Size S0: 3RT202 up to 18.5 kW
  - Size S2: 3RT203 up to 37 kW
  - Size S3: 3RT204 up to 55 kW
  - Sizes S6 to S12: 3RT10 up to 250 kW
- For vacuum contactors for switching motors, see page 3/126 onwards:
  - Sizes S10 and S12: 3RT12 up to 250 kW
  - Size 14: 3TF6 up to 450 kW

Standards

IEC/EN 60947-1,
IEC/EN 60947-4-1,
IEC/EN 60947-5-1 (auxiliary switches)

Ambient conditions

If the devices are used in ambient conditions which deviate from common industrial conditions (IEC 60721-3-3 "Stationary Use, Weather-Protected"), information must be obtained about possible restrictions with regard to the reliability and endurance of the device and possible protective measures. In this case contact our Technical Support:
https://support.industry.siemens.com/My/ww/en/requests

Auxiliary contact complement

- Size S00: an auxiliary contact is integrated in the basic device.
- Sizes S0 to S3: the basic units contain two integrated auxiliary contacts (1 NO + 1 NC).
  All basic units, with the exception of coupling relays in sizes S00 and S0, can be expanded using auxiliary switch blocks, see page 3/88 for the permitted selection of auxiliary switches.
- Sizes S6 to S12: These contactors are supplied with two laterally mounted auxiliary switch blocks. The fitting of auxiliary switches is possible on the front and on the side (the 3RT12 vacuum contactor is an exception: only lateral fitting of auxiliary switches is possible here).

For detailed information about the fitting of auxiliary switches, see pages 3/88 to 3/93.

Contact reliability

If voltages ≤ 110 V and currents ≤ 100 mA are to be switched, the auxiliary contacts of the 3RT contactors or 3RH contactor relays should be used as they guarantee a high level of contact reliability.

These auxiliary contacts are particularly suitable for solid-state circuits with currents ≥ 1 mA at a voltage ≥ 17 V.

SIRIUS 3RT contactors, 3-pole up to 250 kW

Contactors for special applications

- SIRIUS 3RT.4 contactors for resistive loads (AC-1), 3-pole, see from page 4/6 onwards
- SIRIUS 3RT20 and 3RT10 contactors with an extended application range, 3-pole (for rail applications), see from page 4/52 onwards

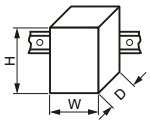
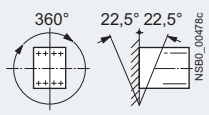
Article No. scheme

Product versions		Article number
SIRIUS power contactors		**3RT2** □ □ □ **–** □ □ □ □ □ **–** □ □ □ □
Device type	e.g. 0 = 3-pole motor contactor	□
Size of the contactor	e.g. 4 = S3	□
Power dependent on size	e.g. 5 = 37 kW in the case of S3	□
Type of electrical connection	e.g. 1 = screw terminals (main and auxiliary circuits)	□
Operating range/solenoid coil circuit	e.g. A = AC standard/without coil circuit	□
Rated control supply voltage	e.g. P0 = 230 V AC, 50 Hz	□ □
Auxiliary switches	e.g. 0 = in the case of S3: 1 NO + 1 NC integrated	□
Special version		□ □ □ □
Example		**3RT2 0 4 5 – 1 A P 0 0**

Note:

The Article No. scheme shows an overview of product versions for better understanding of the logic behind the article numbers.

For your orders, please use the article numbers quoted in the selection and ordering data.

		Contactors	
Type		3RT2023 to 3RT2025	3RT2026 to 3RT2028
Size		S0	
General data			
Dimensions (W x H x D)			
AC operation			
• Basic unit			
- Screw terminals	mm	45 x 85 x 97	
- Spring-type terminals	mm	45 x 102 x 97	
• Basic unit with mounted auxiliary switch block			
- Screw terminals	mm	45 x 85 x 141	
- Spring-type terminals	mm	45 x 102 x 145	
• Basic unit with mounted function module or solid-state time-delayed auxiliary switch block			
- Screw terminals	mm	45 x 85 x 171	
- Spring-type terminals	mm	45 x 102 x 171	
DC operation			
• Basic unit			
- Screw terminals	mm	45 x 85 x 107	
- Spring-type terminals	mm	45 x 102 x 107	
• Basic unit with mounted auxiliary switch block			
- Screw terminals	mm	45 x 85 x 151	
- Spring-type terminals	mm	45 x 102 x 155	
• Basic unit with mounted function module or solid-state time-delayed auxiliary switch block			
- Screw terminals	mm	45 x 85 x 181	
- Spring-type terminals	mm	45 x 102 x 181	
Permissible mounting position			
The contactors are designed for operation on a vertical mounting surface.			
Upright mounting position		 Special version required, also applies for 3RT202.-.K.40 coupling contactors	
Mechanical endurance			
• Basic unit and basic unit with mounted auxiliary switch block	Operating cycles	10 million	
• Basic unit with solid-state compatible auxiliary switch block	Operating cycles	5 million	
Electrical endurance		For contact endurance of the main contacts, see page 3/25.	
Rated insulation voltage U_i (pollution degree 3)	V	690	
Rated impulse withstand voltage U_{imp}			
• Auxiliary circuit	kV	6	
• Main circuit	kV	6	
Protective separation between the coil and the main contacts (acc. to IEC 60947-1, Appendix N)	V	400	
Mirror contacts A mirror contact is an auxiliary NC contact that cannot be closed simultaneously with an NO main contact.			
• Integrated auxiliary switches		Yes, acc. to IEC 60947-4-1, Appendix F	
• 3RT2.2. (removable auxiliary switch block)		Yes, acc. to IEC 60947-4-1, Appendix F	
Permissible ambient temperature			
• During operation	°C	-25 ... +60	
• During storage	°C	-55 ... +80	
Degree of protection acc. to IEC 60529			
• On front		IP20 (screw terminals and spring-type terminals)	
• Connecting terminal		IP20 (screw terminals and spring-type terminals)	
Touch protection acc. to IEC 60529		Finger-safe (screw terminals and spring-type terminals)	
Shock resistance			
• Rectangular pulse			
- AC operation	*g*/ms	7.5/5 and 4.7/10	8.3/5 and 5.3/10
- DC operation	*g*/ms	10/5 and 7.5/10	
• Sine pulse			
- AC operation	*g*/ms	11.8/5 and 7.4/10	13.5/5 and 8.3/10
- DC operation	*g*/ms	15/5 and 10/10	

SIRIUS 3RT contactors, 3-pole up to 250 kW

			Contactors		
Type			3RT2023 to 3RT2025	3RT2026	3RT2027, 3RT2028
Size			S0		
Short-circuit protection					
Main circuit					
• Fuse links, operational class gG: LV HRC, type 3NA; DIAZED, type 5SB; NEOZED, type 5SE acc. to IEC/EN 60947-4-1					
- Type of coordination "1"		A	63	100	125
- Type of coordination "2"		A	25	35	50
- Weld-free (test conditions acc. to IEC 60947-4-1)		A	10	16	
• Miniature circuit breaker with C characteristic (short-circuit current 3 kA, type of coordination "1")		A	25	32	40
Auxiliary circuit					
• Fuse links, operational class gG: DIAZED, type 5SB; NEOZED, type 5SE (weld-free protection at $I_k \leq 1$ kA)		A	10		
• 230 V miniature circuit breaker, C characteristic (short-circuit current $I_k < 400$ A)		A	10		
Short-circuit protection for contactors with overload relays			See Configuration Manual for load feeders		
Short-circuit protection for fuseless load feeders			See 3RA2 load feeders, from page 8/4 onwards		

			Contactors				
Type			3RT2023 to 3RT2025	3RT2026 to 3RT2028	3RT202.-.NB3	3RT202.-.NF3	3RT202.-.NP3
Size			S0				
Control							
Type of operating mechanism			AC or DC		AC/DC		
Solenoid coil operating range	AC/DC		0.8 ... 1.1 x U_s [1]		0.7 ... 1.3 x U_s [2]		
Power consumption of the solenoid coils (for cold coil and 1.0 x U_s)							
• AC operation, 50 Hz, standard version							
- Closing		VA	65	77	6.6	11.9	12.7
- P.f.			0.82		0.98		
- Closed		VA	7.6	9.8	1.9	1.6	3.9
- P.f.			0.25		0.86	0.79	0.51
• AC operation, 50/60 Hz, standard version							
- Closing		VA	68/67	81/79	6.6/6.7	11.9/12.0	12.7/14.7
- P.f.			0.72/0.74		0.98/0.98		
- Closed		VA	7.9/6.5	10.5/8.5	1.9/2.0	1.6/1.8	3.9/4.3
- P.f.			0.25/0.28		0.86/0.82	0.79/0.74	0.51/0.56
• AC operation, 50 Hz, for USA/Canada							
- Closing		VA	65	77	--		
- P.f.			0.82	0.82	--		
- Closed		VA	7.6	9.8	--		
- P.f.			0.25	0.28	--		
• AC operation, 60 Hz, for USA/Canada							
- Closing		VA	73	87	--		
- P.f.			0.76		--		
- Closed		VA	7.2	9.4	--		
- P.f.			0.28		--		
• DC operation (closing = closed)		W	5.9/5.9		5.9/1.4	10.2/1.3	14.3/1.9
Permissible residual current of the electronics (with 0 signal)							
• AC operation		mA	< 6 mA x (230 V/U_s)		< 7 mA x (230 V/U_s)		
• DC operation		mA	< 16 mA x (24 V/U_s)				
Operating times at 1.0 x U_s [3]							
• AC operation							
- Closing delay		ms	10 ... 18	10 ... 17	65 ... 80	50 ... 70	60 ... 80
- Opening delay		ms	4 ... 16		30 ... 45	35 ... 45	30 ... 50
• DC operation							
- Closing delay		ms	55 ... 80		60 ... 80	56 ... 70	60 ... 80
- Opening delay		ms	16 ... 17		30 ... 45	35 ... 45	30 ... 50
• Arcing time		ms	10				

[1] Coil operating range
- At 50 Hz: 0.8 to 1.1 x U_s
- At 60 Hz: 0.85 to 1.1 x U_s.

[2] The following applies to $U_{s\,max}$ = 280 V: Upper limit = 1.1 x $U_{s\,max}$.

[3] The OFF-delay of the NO contact and the ON-delay of the NC contact are increased if the contactor coils are attenuated against voltage peaks (varistor +2 ms to 5 ms, diode assembly: 2x to 6x).

			Coupling contactors
Type			**3RT202.-.KB4.**
Size			**S0**
Control			
Solenoid coil operating range			0.7 ... 1.25 x U_s
Power consumption of the solenoid coils (for cold coil) Closing = Closed	At U_s 24 V DC	W	4.5
Permissible residual current of the electronics (with 0 signal)			< 10 mA x (24 V/U_s)
Overvoltage configuration of the solenoid coil			Built-in varistor  *U*
Operating times			
• Closing delay			
- ON-delay NO		ms	65 ... 90
- OFF-delay NC		ms	55 ... 80
• Opening delay			
- ON-delay NO		ms	19 ... 21
- OFF-delay NC		ms	25 ... 31

			Contactors					
Type			**3RT2023**	**3RT2024**	**3RT2025**	**3RT2026**	**3RT2027**	**3RT2028**
Size			**S0**					
Rated data of the main contacts								
Load rating with AC								
Utilization category AC-1, switching resistive loads								
• Rated operational current I_e	At 40 °C up to 690 V	A	40				50	
	At 60 °C up to 690 V	A	35				42	
• Rated power for AC loads[1] P.f. = 0.95 (at 60 °C)	230 V	kW	13.3				15.5	
	400 V	kW	23				27.5	
	690 V	kW	40				47.5	
• Minimum conductor cross-section for loads with I_e	At 40 °C	mm^2	10					
	At 60 °C	mm^2	10					
Utilization categories AC-2 and AC-3								
• Rated operational currents I_e	Up to 400 V	A	9	12	17	25	32	38
	440 V	A	9	12	17	22	32	35
	500 V	A	9	12	17	18	32	
	690 V	A	9		13		21	
• Rated power for slipring or squirrel-cage motors at 50 Hz and 60 Hz	At 230 V	kW	2.2	3	4	5.5	7.5	11
	400 V	kW	4	5.5	7.5	11	15	18.5
	690 V	kW	7.5		11		18.5	
Thermal load capacity	10 s current	A	80	110	150	200	260	304
Power loss per conducting path	At I_e/AC-3	W	0.4	0.5	0.9	1.6	2.7	3.8
Utilization category AC-4 (for I_a = 6 x I_e)								
• Maximum values:								
- Rated operational current I_e	Up to 400 V	A	8.5	12.5	15.5		22	
- Rated power for squirrel-cage motors with 50 Hz and 60 Hz	At 400 V	kW	4	5.5	7.5		11	
• The following applies to a contact endurance of about 200 000 operating cycles:								
- Rated operational currents I_e	Up to 400 V	A	4.1	5.5	7.7	9	12	
	690 V	A	3.3	5.5	7.7	9	12	
- Rated power for squirrel-cage motors with 50 Hz and 60 Hz	At 110 V	kW	0.5	0.73	1	1.2	1.6	
	230 V	kW	1.1	1.5	2	2.5	3.4	
	400 V	kW	2	2.6	3.5	4.4	6	
	690 V	kW	2.5	4.6	6	7.7	10.3	

[1] Industrial furnaces and electric heaters with resistance heating, etc. (increased power consumption on heating up has been taken into account).

Type				Contactors 3RT2023 to 3RT2025	3RT2026 to 3RT2028
Size				S0	
Rated data of the main contacts (continued)					
Load rating with DC					
Utilization category DC-1, switching resistive loads (*L/R* ≤ 1 ms)					
• Rated operational currents I_e (at 60 °C)					
- 1 conducting path	Up to 24 V	A		35	
	60 V	A		20	
	110 V	A		4.5	
	220 V	A		1	
	440 V	A		0.4	
	600 V	A		0.25	
- 2 conducting paths in series	Up to 24 V	A		35	
	60 V	A		35	
	110 V	A		35	
	220 V	A		5	
	440 V	A		1	
	600 V	A		0.8	
- 3 conducting paths in series	Up to 24 V	A		35	
	60 V	A		35	
	110 V	A		35	
	220 V	A		35	
	440 V	A		2.9	
	600 V	A		1.4	
Utilization category DC-3/DC-5, shunt-wound and series-wound motors (*L/R* ≤ 15 ms)					
• Rated operational currents I_e (at 60 °C)					
- 1 conducting path	Up to 24 V	A		20	
	60 V	A		5	
	110 V	A		2.5	
	220 V	A		1	
	440 V	A		0.09	
	600 V	A		0.06	
- 2 conducting paths in series	Up to 24 V	A		35	
	60 V	A		35	
	110 V	A		15	
	220 V	A		3	
	440 V	A		0.27	
	600 V	A		0.16	
- 3 conducting paths in series	Up to 24 V	A		35	
	60 V	A		35	
	110 V	A		35	
	220 V	A		10	
	440 V	A		0.6	
	600 V	A		0.6	
Switching frequency					
Switching frequency *z* in operating cycles/hour					
Contactors without overload relays					
• No-load switching frequency	AC		1/h	5 000	
	DC		1/h	1 500	
• Switching frequency *z* during rated operation[1)]					
- I_e/AC-1	At 400 V		1/h	1 000	
- I_e/AC-2	At 400 V		1/h	1 000	750
- I_e/AC-3	At 400 V		1/h	1 000	750
- I_e/AC-4	At 400 V		1/h	300	250
Contactors with overload relays					
• Mean value			1/h	15	

1) Dependence of the switching frequency *z'* on the operational current *I'* and operational voltage *U'*: $z' = z \cdot (I_e/I') \cdot (U_e/U')^{1.5} \cdot 1/h$.

		Contactors
Type		3RT2023 to 3RT2028
Size		S0
Conductor cross-sections		
Main conductors (1 or 2 conductors can be connected)		**Screw terminals**
• Solid or stranded	mm^2	2 x (1 ... 2.5)[1]; 2 x (2.5 ... 10)[1]
• Finely stranded with end sleeve (DIN 46228-1)	mm^2	2 x (1 ... 2.5)[1]; 2 x (2.5 ... 6)[1]; 1 x 10
• AWG cables, solid or stranded	AWG	2 x (16 ... 12)[1]; 2 x (14 ... 8)[1]
• Terminal screws - Tightening torque	Nm	M4 (for Pozidriv size 2; Ø 5 ... 6) 2 ... 2.5 (18 ... 22 lb.in)
Auxiliary conductors (1 or 2 conductors connectable)		
• Solid or stranded	mm^2	2 x (0.5 ... 1.5)[1]; 2 x (0.75 ... 2.5)[1]
• Finely stranded with end sleeve (DIN 46228-1)	mm^2	2 x (0.5 ... 1.5)[1]; 2 x (0.75 ... 2.5)[1]
• AWG cables, solid or stranded	AWG	2 x (20 ... 16)[1]; 2 x (18 ... 14)[1]
• Terminal screws - Tightening torque	Nm	M3 (for Pozidriv size 2; Ø 5 ... 6) 0.8 ... 1.2 (7 ... 10.3 lb.in)
Main conductors[2] (1 or 2 conductors can be connected)		**Spring-type terminals**
• Operating devices	mm	3.0 x 0.5
• Solid or stranded	mm^2	2 x (1 ... 10)
• Finely stranded with end sleeve (DIN 46228-1)	mm^2	2 x (1 ... 6)
• Finely stranded without end sleeve	mm^2	2 x (1 ... 6)
• AWG cables, solid or stranded	AWG	2 x (18 ... 8)
Auxiliary conductors[2] (1 or 2 conductors can be connected)		
• Operating devices		3.0 x 0.5
• Solid or stranded	mm^2	2 x (0.5 ... 2.5)
• Finely stranded with end sleeve (DIN 46228-1)	mm^2	2 x (0.5 ... 1.5)
• Finely stranded without end sleeve	mm^2	2 x (0.5 ... 2.5)
• AWG cables, solid or stranded	AWG	2 x (20 ... 14)

[1] If two different conductor cross-sections are connected to one clamping point, both cross-sections must lie in one of the ranges specified.

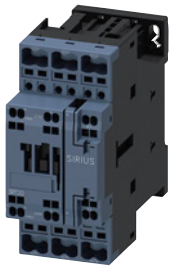
[2] Max. external diameter of the conductor insulation: 3.6 mm. On spring-type terminals with conductor cross-sections ≤ 1 mm^2 an insulation stop must be used, see page 3/121.

SIRIUS 3RT contactors, 3-pole up to 250 kW *IE3/IE4* ready

AC operation

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 41B

3RT202.-1A.00



3RT202.-2A.00

Rated data			Auxiliary contacts			Rated control supply voltage U_s	SD	Screw terminals	SD	Spring-type terminals	
AC-2 and AC-3, t_u: 60 °C		AC-1, t_u: 40 °C									
Operational current I_e up to	Ratings of three-phase motors at 50 Hz and	Operational current I_e up to	Ident. No.	Version		50 Hz AC		Article No. / Price per PU		Article No. / Price per PU	
400 V	**400 V**	690 V									
A	**kW**	A		NO	NC	V	d		d		
For screw fixing and snap-on mounting onto TH 35 standard mounting rail											
Size S0											
9	**4**	40	**11**	1	1	24	▶	**3RT2023-1AB00**	2	**3RT2023-2AB00**	
						110	▶	**3RT2023-1AF00**	2	**3RT2023-2AF00**	
						230	▶	**3RT2023-1AP00**	▶	**3RT2023-2AP00**	
12	**5.5**	40	**11**	1	1	24	▶	**3RT2024-1AB00**	2	**3RT2024-2AB00**	
						110	▶	**3RT2024-1AF00**	2	**3RT2024-2AF00**	
						230	▶	**3RT2024-1AP00**	▶	**3RT2024-2AP00**	
17	**7.5**	40	**11**	1	1	24	▶	**3RT2025-1AB00**	2	**3RT2025-2AB00**	
						110	▶	**3RT2025-1AF00**	2	**3RT2025-2AF00**	
						230	▶	**3RT2025-1AP00**	▶	**3RT2025-2AP00**	
25	**11**	40	**11**	1	1	24	▶	**3RT2026-1AB00**	2	**3RT2026-2AB00**	
						110	▶	**3RT2026-1AF00**	2	**3RT2026-2AF00**	
						230	▶	**3RT2026-1AP00**	▶	**3RT2026-2AP00**	
32	**15**	50	**11**	1	1	24	▶	**3RT2027-1AB00**	2	**3RT2027-2AB00**	
						110	▶	**3RT2027-1AF00**	2	**3RT2027-2AF00**	
						230	▶	**3RT2027-1AP00**	▶	**3RT2027-2AP00**	
38	**18.5**	50	**11**	1	1	24	▶	**3RT2028-1AB00**	2	**3RT2028-2AB00**	
						110	▶	**3RT2028-1AF00**	2	**3RT2028-2AF00**	
						230	▶	**3RT2028-1AP00**	2	**3RT2028-2AP00**	

Other voltages according to page 3/74 on request.

Accessories and spare parts, see pages 3/76 to 3/125.

* You can order this quantity or a multiple thereof.
Illustrations are approximate

Options

Rated control supply voltages for 3RT20 contactors, possible on request (change of the 10th and 11th digits of the Article No.)

Delivery time on request

Rated control supply voltage U_s	Contactor type / Size	3RT201, 3RH2 S00	3RT202 S0	3RT203 S2	3RT204 S3
Sizes S00 to S3					
AC operation[1]					
Solenoid coils for 50 Hz (exception: Size S00: 50 Hz and 60 Hz[2])					
24 V AC		B0	B0	B0	B0
42 V AC		D0	D0	D0	D0
48 V AC		H0	H0	H0	H0
110 V AC		F0	F0	F0	F0
230 V AC		P0	P0	P0	P0
240 V AC		U0	U0	U0	U0
400 V AC		V0	V0	V0	V0
Solenoid coils for 50 Hz and 60 Hz[2]					
24 V AC		B0	C2	C2	C2
42 V AC		D0	D2	D2	D2
48 V AC		H0	H2	H2	H2
110 V AC		F0	G2	G2	G2
220 V AC		N2	N2	N2	N2
230 V AC		P0	L2	L2	L2
Solenoid coils (for USA and Canada[3])					
50 Hz	**60 Hz**				
110 V AC	120 V AC	K6	K6	K6	K6
220 V AC	240 V AC	P6	P6	P6	P6
Solenoid coils (for Japan)					
50/60 Hz[4]	**60 Hz[5]**				
100 V AC	110 V AC	G6	G6	G6	G6
200 V AC	220 V AC	N6	N6	N6	N6
400 V AC	440 V AC	R6	R6	R6	R6
DC operation[1]					
12 V DC		A4	A4	--	--
24 V DC		B4	B4	--	--
42 V DC		D4	D4	--	--
48 V DC		W4	W4	--	--
60 V DC		E4	E4	--	--
110 V DC		F4	F4	--	--
125 V DC		G4	G4	--	--
220 V DC		M4	M4	--	--
230 V DC		P4	P4	--	--

Examples

AC operation	3RT2023-1A**P0**0	Contactor with screw terminals; with solenoid coil for 50 Hz for rated control supply voltage 230 V AC.
	3RT2023-1A**G2**0	Contactor with screw terminals; with solenoid coil for 50/60 Hz for rated control supply voltage 110 V AC.
DC operation	3RT2025-2B**B4**0	Contactor with spring-type terminals; for rated control supply voltage 24 V DC.
	3RT2025-2B**G4**0	Contactor with spring-type terminals; for rated control supply voltage 125 V DC.

1) For deviating coil voltages and operating ranges of sizes S00 and S0, a SITOP 24 V DC power supply with wide-range input can be used for the coil control, see page 15/1 onwards.

2) Coil operating range
- At 50 Hz: 0.8 to 1.1 x U_s,
- At 60 Hz: 0.85 to 1.1 x U_s.

3) Coil operating range
- Size S00:
  At 50 Hz: 0.85 to 1.1 x U_s,
  at 60 Hz: 0.8 to 1.1 x U_s
- Sizes S0 to S3: at 50 Hz and 60 Hz: 0.8 to 1.1 x U_s.

4) Coil operating range
- Size S00:
  At 50/60 Hz: 0.85 to 1.1 x U_s
- Size S0:
  at 50 Hz: 0.8 to 1.1 x U_s;
  at 60 Hz: 0.85 to 1.1 x U_s.

5) Coil operating range at 60 Hz: 0.8 to 1.1 x U_s.

Rated control supply voltage $U_{s\,min}$ ... $U_{s\,max}$[1]	Contactor type / Size	3RT202.-.N S0	Rated control supply voltage $U_{s\,min}$ ... $U_{s\,max}$[1]	Contactor type / Size	3RT203.-.N S2	3RT204.-.N S3
Sizes S00 to S3						
AC/DC operation (50/60 Hz AC or DC)						
21 ... 28 V AC/DC		B3	20 ... 33 V AC/DC		B3	B3
95 ... 130 V AC/DC		F3	48 ... 80 V AC/DC		E3	E3
200 ... 280 V AC/DC[2]		P3	83 ... 155 V AC/DC		F3	F3
			175 ... 280 V AC/DC		P3	P3

1) Coil operating range
- Size S0: 0.7 x $U_{s\,min}$ to 1.3 x $U_{s\,max}$
- Sizes S2 and S3: 0.8 x $U_{s\,min}$ to 1.1 x $U_{s\,max}$.

2) The following applies to S0 and $U_{s\,max}$ = 280 V: Upper limit = 1.1 x $U_{s\,max}$.