

Power Contactors for Switching Motors

Accessories and Spare Parts for SIRIUS 3RT Contactors and SIRIUS 3RH2 Contactor Relays Accessories

Covers

Selection and ordering data

For con- tactors	Size	Version	SD	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Type			d					
Terminal covers								
				Covers for contactors with screw terminals (box terminals) (2 units required per contactor)				
				• For 3-pole contactors				
		3RT203 S2	▶	3RT2936-4EA2		1	1 unit	41B
3RT2936-4EA2	3RT2946-4EA2	3RT204, 3RT244 S3	▶	3RT2946-4EA2		1	1 unit	41B
		3RT1.5 S6¹⁾	▶	3RT1956-4EA2		1	1 unit	41B
3RT1956-4EA2	3RT1966-4EA2	3RT1.6, 3RT1.7 S10¹⁾, S12¹⁾	2	3RT1966-4EA2		1	1 unit	41B
		3RT233, 3RT253 S2	5	3RT2936-4EA4		1	1 unit	41B
3RT2936-4EA4	3RT2946-4EA4	3RT234, 3RT254 S3	5	3RT2946-4EA4		1	1 unit	41B
				Covers for contactors with cable lugs and busbar connections For complying with the phase clearances and as touch protection if box terminal is removed (2 units required per contactor)				
		3RT2.4 S3	5	3RT1946-4EA1		1	1 unit	41B
3RT1946-4EA1		3RT1.5 S6¹⁾	▶	3RT1956-4EA1		1	1 unit	41B
		3RT1.6, 3RT1.7 S10¹⁾, S12¹⁾	2	3RT1966-4EA1		1	1 unit	41B
3RT1956-4EA1	3RT1966-4EA1							
								
3RT1956-4EA4								
				• For the assembly kits for 3RA1953-... contactor assemblies for star-delta (wye-delta) starting (page 3/112) or for the 3RA1953-3... single-wiring modules (page 3/113)				
		3RT1.5 S6	2	3RT1956-4EA4		1	1 unit	41B
				Terminal covers with busbar connections • Cover the three busbar connections, between the contactor and 3RB2 overload relay				
		3RT1.5 S6	▶	3RT1956-4EA3		1	1 unit	41B
3RT1956-4EA3	3RT1966-4EA3	3RT1.6, 3RT1.7 S10²⁾, S12²⁾	2	3RT1966-4EA3		1	1 unit	41B
		3RT1.5 S6	5	3TX6526-3B		1	1 unit	41B
3TX6526-3B	3TX6546-3B	3RT1.6, 3RT1.7 S10, S12	5	3TX6546-3B		1	1 unit	41B
Sealable covers								
		3RT2.1, 3RT2.2, 3RT2.3, 3RT2.4, 3RH2 ³⁾ S00 ... S3	2	3RT2916-4MA10		1	5 units	41B
3RT2916-4MA10	3RT1926-4MA10	3RT1.5 S6 ... S12	15	3RT1926-4MA10		1	5 units	41B
		3RT1.7 ³⁾						

¹⁾ Also fits on contactors of sizes S6 to S12 with box terminals.

²⁾ The 3RT1966-4EA3 cover is required in addition for use in reversing contactor assemblies and contactor assemblies for star-delta (wye-delta) starting.

³⁾ Exception: contactors and contactor relays with auxiliary switch block mounted onto the front.

Switching Devices – Contactors and Contactor Assemblies

Contactors for Special Applications

Introduction



Size	S3		S6		S10		S12	
Type	3RT244.		3RT1456		3RT146.		3RT1476	
3RT244, and 3RT145 to 3RT147 3-pole contactors								
Type	3RT2446		3RT2448		3RT1456		3RT1466 3RT1467	
Number of main contacts	3 NO		3 NO		3 NO		3 NO	
AC, AC/DC operation	(p. 4/14)		(p. 4/15, 4/16)		(p. 4/15, 4/16)		(p. 4/15, 4/16)	
AC-1								
U_i	V	1 000						
U_e	V	1 000						
I_e up to 690 V	40 °C A	140	160	275		400	500	690
	60 °C A	130	140	250		380	450	Standard operating mechanism: 650, solid-state operating mechanism: 600
Accessories for contactors								
Auxiliary switch blocks	3RH29, 3RA28		(p. 3/94 ... 3/101)		3RH19, 3RT1926		(p. 3/97, 3/99, 3/100, 3/102)	
Functional modules (Direct-on-line, star-delta (wye-delta) starting)	3RA281.		(p. 3/106)		--			
Terminal covers	3RT2946-4EA4		(p. 3/118)		3RT1956-4EA.		(p. 3/118)	
Box terminal blocks	--				3RT1955/56-4G		(p. 3/116)	
Surge suppressors	3RT2936¹⁾, 3RT2946		(p. 3/103, 3/104)		3RT1956-1C (RC element)		(p. 3/104)	

¹⁾ Surge suppressors 3RT2936-1B/-1E can be used for 3RT2.4 contactors as from product version E03. When using an AC/DC coil, the surge suppressor is already integrated in the electronics.



Size	S00		S0		S2		S3				
Type	3RT231.		3RT232.		3RT233.		3RT234.				
4-pole 3RT23 contactors											
Type	3RT2316 3RT2317		3RT2325 3RT2326 3RT2327		3RT2336 3RT2337		3RT2344 3RT2346 3RT2348				
Number of main contacts	4 NO		4 NO		4 NO		4 NO				
AC, DC and AC/DC operation	(p. 4/22, 4/24)		(p. 4/22 ... 4/24)		(p. 4/22 ... 4/26)		(p. 4/22 ... 4/26)				
AC-1											
U_i	V	690									
U_e	V	690									
I_e up to 690 V	40 °C A	18	22	35	40	50	60	110	110	140	160
	60 °C A	16	20	30	35	42	55	95	100	130	140
AC-2 and AC-3											
I_e up to 400 V	A	9	12	15.5	15.5	15.5	--	--	--	--	--
P at 400 V	kW	4	5.5	7.5	7.5	7.5	--	--	--	--	--
Accessories for contactors											
Auxiliary switch blocks	3RH29, 3RA28 (p. 3/94 ... 3/101)										
Function modules (direct-on-line starting, star-delta (wye-delta) starting)	3RA281. (p. 3/106)										
Terminal covers	--					3RT2936-4EA4 (p. 3/118)		3RT2946-4EA4 (p. 3/118)			
Surge suppressors	3RT2916		(p. 3/103, 3/104)			3RT2936 (p. 3/103, 3/104)		3RT2936 ¹⁾ , 3RT2946 (p. 3/103, 3/104)			

¹⁾ Surge suppressors 3RT2936-1B/-1E can be used for 3RT2.4 contactors as from product version E03. When using an AC/DC coil, the surge suppressor is already integrated in the electronics.

Switching Devices – Contactors and Contactor Assemblies

Contactors for Special Applications

Introduction



Size	S00			S0			S2			S3		
Type	3RT251.			3RT252.			3RT253.			3RT254.		
4-pole 3RT25 contactors												
Type	3RT2516 3RT2517 3RT2518			3RT2526			3RT2535 3RT2536			3RT2544 3RT2545		
Number of main contacts	2 NO + 2 NC			2 NO + 2 NC			2 NO + 2 NC			2 NO + 2 NC		
AC, DC and AC/DC operation	(p. 4/30, 4/31)			(p. 4/30, 4/31)			(p. 4/30, 4/32)			(p. 4/30, 4/32)		
AC-1												
U_i	V	690										
U_e	V	690										
I_e up to 690 V	40 °C	A	18	22	22	40	60	70	100	125		
	60 °C	A	16	20	20	35	55	60	90	105		
AC-2 and AC-3												
I_e up to 400 V	NO	A	9	12	16	25	35	41	65	80		
	NC	A	9	9	9	25 (20) ¹⁾	35	41	65	80		
P												
at 400 V	NO	kW	4	5.5	7.5	11	18.5	22	30	37		
	NC	kW	4	4	4	11 (7.5)¹⁾	18.5	22	30	37		
At 230 V	NO	kW	2.2	3 / 2.2	4 / 2.2	5.5	11	11	18.5	22		
	NC	kW	2.2	3 / 2.2	4 / 2.2	5.5	11	11	18.5	22		
Accessories for contactors												
Auxiliary switch blocks	3RH29, 3RA28 (p. 3/94 ... 3/101)											
Function modules (direct-on-line starting, star-delta (wye-delta) starting)	3RA281. (p. 3/106)											
Terminal covers	--						3RT2936-4EA4 (p. 3/118)			3RT2946-4EA4 (p. 3/118)		
Surge suppressors	3RT2916 (p. 3/103, 3/104)					3RT2926 (p. 3/103, 3/104)		3RT2936 (p. 3/103, 3/104)		3RT2936²⁾, 3RT2946 (p. 3/103, 3/104)		

¹⁾ The value in brackets applies to the NC for DC operation.

²⁾ Surge suppressors 3RT2936-1B/-1E can be used for 3RT2.4 contactors as from product version E03.
When using an AC/DC coil, the surge suppressor is already integrated in the electronics.

Further contactors

- For SIRIUS 3RT26 contactors for capacitive loads (AC-6b), 3-pole, [see page 4/33](#)
- For 3TC contactors for switching DC voltage, 1 and 2-pole, [see page 4/65](#)
- Contactors for railway applications
 - For SIRIUS 3RT contactors with extended operating range, 3-pole, [see page 4/52](#)
 - For SIRIUS 3RH2 contactor relays with extended operating range, [see page 4/59](#)
 - For 3TH4 contactor relays, 8-pole, [see page 4/61](#)
 - For 3TC contactors for switching DC voltage, 2-pole, [see page 4/63](#)



Size	00	
Type	3TK20	
4-pole 3TK miniature contactors		
Type	3TK20	
Number of main contacts	4	
AC, DC operation	(p. 4/50, 4/51)	
AC-1		
I _e at 400 V	Up to 690 V A	18
AC-2 and AC-3		
I _e at 400 V	A	8.4
P at 400 V	kW	4
At 127 V	kW	1.4
At 230 V	kW	2.5
At 500 V	kW	4
At 690 V	kW	4
Accessories for contactors		
Auxiliary switch blocks	Lateral	--
Terminal covers	--	
Surge suppressors	3TX4490	(p. 3/151)