

3TB, 3TC, 3TF50 to 3TF69, 3TK50 to 3TK56 Contactors

Accessories

For contactor		Design	Rated control supply voltage U_s	Order No.	Price	Weight approx.	Packing	
Size	Type				1 unit	kg	Units	
Surge suppressors ¹⁾ · varistors								
	2	3TC44 ⁴⁾	Varistor ³⁾ with line spacer, for mounting onto the coil terminal	AC 24 V to 48 V	3TX7 402-3G		0.005	10
				DC 24 V to 70 V				
				AC 48 V to 127 V				
				DC 70 V to 150 V				
				AC 127 V to 240 V				
DC 150 V to 250 V	3TX7 402-3H							
AC 240 V to 400 V	3TX7 402-3J							
AC 400 V to 600 V	3TX7 402-3K							
				3TX7 402-3L				
	6 to 12	3TF50 to 3TF56 ²⁾ , 3TB50, 3TK50 to 3TK56, 3TC48	Varistors ³⁾ for sticking onto the contactor base or for mounting separately	AC 24 V to 48 V	3TX7 462-3G		0.01	10
				DC 24 V to 70 V				
				AC 48 V to 127 V				
				DC 70 V to 150 V				
				AC 127 V to 240 V				
DC 150 V to 250 V	3TX7 462-3H							
AC 240 V to 400 V	3TX7 462-3J							
AC 400 V to 600 V	3TX7 462-3K							
				3TX7 462-3L				
	8 and 12	3TC52 and 3TC56	Varistors 3TX7 462-... for sticking onto the contactor base or for mounting separately	AC 24 V to 48 V	3TX7 462-3G		0.01	10
				AC 48 V to 127 V				
				AC 127 V to 240 V				
				AC 240 V to 400 V				
				AC 400 V to 600 V				
				3TX7 462-3H				
				3TX7 462-3J				
				3TX7 462-3K				
				3TX7 462-3L				
	8 to 12	3TB52 to 3TB56, 3TC52 and 3TC56	Varistors ³⁾ for separate screw mounting or for snapping onto a 35 mm standard mounting rail	DC 24 V to 70 V	3TX7 522-3G		0.03	10
				DC 70 V to 150 V				
				DC 150 V to 250 V				
				3TX7 522-3H				
				3TX7 522-3J				
	12 and 14	3TF57, 3TF68 and 3TF69	Varistors ³⁾ for DC economy circuit; for snapping onto the side of auxiliary switches	DC 24 V to 48 V	3TX7 572-3G		0.075	10
				DC 48 V to 127 V				
				DC 127 V to 250 V				
				3TX7 572-3H				
				3TX7 572-3J				
Surge suppressors ¹⁾ · RC elements								
	6	3TF50 and 3TF51 ²⁾ , 3TC48, 3TK50	RC elements for snapping onto the side of auxiliary switches or onto a 35 mm standard mounting rail	AC 24 V to 48 V	3TX7 462-3R		0.075	10
				DC 24 V to 70 V				
				AC 48 V to 127 V				
				DC 70 V to 150 V				
				AC 127 V to 240 V				
DC 150 V to 250 V	3TX7 522-3R							
AC 240 V to 400 V	3TX7 462-3S							
AC 400 V to 600 V	3TX7 522-3S							
				3TX7 462-3T				
				3TX7 522-3T				
				3TX7 462-3U				
				3TX7 462-3V				
	8 to 12	3TF52 to 3TF56 ²⁾ , 3TB48 and 3TB50, 3TK52 to 3TK56, 3TC52 and 3TC56	RC elements for snapping onto the side of auxiliary switches or onto a 35 mm standard mounting rail	AC 24 V to 48 V	3TX7 522-3R		0.075	10
				AC 48 V to 127 V				
				AC 127 V to 240 V				
				AC 240 V to 400 V				
				AC 400 V to 600 V				
				3TX7 522-3S				
				3TX7 522-3T				
				3TX7 522-3U				
				3TX7 522-3V				
Surge suppressors ¹⁾²⁾ · diodes								
	6 to 12	3TB50 to 3TB56, 3TC48 to 3TC56	Diode assemblies (diode and Zener diode) for DC solenoid system and short break times; for sticking onto the contactor base or for mounting separately	DC 24 V to 250 V	3TX7 462-3D		0.01	10

1) The surge suppressor is integrated as standard in the following contactors:
3TF50 and 3TF51, 3TK50 (DC economy circuit): fitted with diode,
3TF52 to 3TF56, 3TK52 to 3TK56 (DC economy circuit): fitted with varistor,
3TF57, 3TF68 and 3TF69 (AC operation): fitted with varistor.

2) Not for DC economy circuit (see footnote 1).

3) Includes the peak value of the ripple voltage on the DC side.

4) The connection piece for mounting the surge suppressor must be bent slightly.

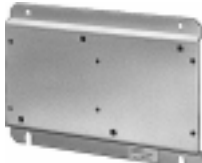
3TB, 3TC, 3TF50 to 3TF69, 3TK50 to 3TK56 Contactors

Accessories

For contactor		Design	Order No.	Price	Weight approx.	Packing
Size	Type			1 unit	kg	Units
Solid-state compatible auxiliary switch block with screw connections						
	6 to 14	3TF50 to 3TF69	3TY7 561-1U 3TY7 561-1V		0.042	1
	6 to 12	3TK50 to 3TK56				
	6 to 12	3TC44 to 3TC48				
For mounting onto the side of contactors. For use in dusty atmosphere and electronic circuits with rated operational currents I_e AC-14 and DC-13 from 1 mA to 300 mA at 3 V to 60 V. With 1 changeover contact. First or second auxiliary switch block, left First or second auxiliary switch block, right						
Interfaces for control by PLC						
	6 to 14	3TF50 to 3TF69, 3TK50 to 3TK56	3TX7 090-0D		0.1	1
Coil voltage tolerance: DC 17 V to 30 V Power consumption: 0.5 W at DC 24 V For technical data, see Part 6 For snapping onto the side of auxiliary switch blocks, with surge suppression						
Terminal covers for protection against inadvertent contact with the exposed busbar connections (DIN VDE 0106 Part 100)						
	6 and 8	3TF50 to 3TF52, 3TK50	3TX7 506-0A		0.044	10
	8 to 12	3TF53 to 3TF57, 3TK52 to 3TK56	3TX7 536-0A		0.108	2
	14	3TF68	(Order No. and price per set) 3TX7 686-0A		0.17	1 set = 2 units
		3TF69	3TX7 696-0A		0.17	1 set = 2 units
	6	3TB50, 3TC48	(Order No. and price per set) 3TX6 506-3B		0.1	1 set = 6 units
	8	3TB52	3TX6 526-3B		0.14	1 set = 6 units
	10 and 14	3TB54 to 3TB56, 3TC52, 3TC56	3TX6 546-3B		0.26	1 set = 6 units
Baseplates for snap-on mounting						
6	3TF50 and 3TF51, 3TK50, 3TB50		3TX6 501-0A		0.27	10

3TD Contactor Assemblies

Accessories

	Size	Contactor assembly	For 2 contactors	Order No.	Price	Weight approx.	Packing																																																																									
	Type	Type	Type		1 unit	kg	Units																																																																									
Locking device for mechanically interlocking two contactors																																																																																
	• For identical sizes																																																																															
	6 to 10	3TD50 to 3TD54	3TF50 to 3TF55	3TX7 466-1A		0.13	1																																																																									
	12	3TD56	3TF56, 3TF57	3TX7 566-1A																																																																												
	14	3TD68	3TF68, 3TF69	3TX7 686-1A																																																																												
	• For non-identical sizes																																																																															
	6 to 10	3TD44 to 3TD54	3TF44 to 3TF55	3TX7 466-1A		0.13	1																																																																									
	8 and 12	3TD52 and 3TD56	3TF52 and 3TF56, 3TF57	3TX7 566-1B																																																																												
	10 and 12	3TD54 and 3TD56	3TF54 and 3TF56, 3TF57	3TX7 566-1B																																																																												
	12 and 14	3TD56 and 3TD68	3TF56, 3TF57 and 3TF68	3TX7 686-1B																																																																												
	<table><tr><td>Contactor/size/type</td><td>6</td><td>8</td><td>10</td><td>12</td><td>14</td><td>Locking device</td></tr><tr><td>3TF50</td><td>3TF52</td><td>3TF54</td><td>3TF56</td><td>3TF68</td><td></td><td></td></tr><tr><td>3TF51</td><td>3TF53</td><td>3TF55</td><td>3TF57</td><td>3TF69</td><td>Type</td><td></td></tr><tr><td colspan="5"></td><td>3TX7 466-1A</td><td></td></tr><tr><td colspan="5"></td><td>3TX7 466-1A</td><td></td></tr><tr><td colspan="5"></td><td>3TX7 566-1A</td><td></td></tr><tr><td colspan="5"></td><td>3TX7 566-1B*)</td><td rowspan="5">*) Sizes 8 and 10 cannot be interlocked  = Interlockable contactors</td></tr><tr><td colspan="5"></td><td>3TX7 566-1B</td></tr><tr><td colspan="5"></td><td>3TX7 686-1A</td></tr><tr><td colspan="5"></td><td>3TX7 686-1B</td></tr><tr><td colspan="5"></td><td>3TX7 686-1B</td></tr></table>								Contactor/size/type	6	8	10	12	14	Locking device	3TF50	3TF52	3TF54	3TF56	3TF68			3TF51	3TF53	3TF55	3TF57	3TF69	Type							3TX7 466-1A							3TX7 466-1A							3TX7 566-1A							3TX7 566-1B*)	*) Sizes 8 and 10 cannot be interlocked  = Interlockable contactors						3TX7 566-1B						3TX7 686-1A						3TX7 686-1B					
Contactor/size/type	6	8	10	12	14	Locking device																																																																										
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Baseplate for mounting reversing contactor assemblies																																																																																
	6	3TD50	3TF50, 3TF51	3TX7 501-1A		1.3	1																																																																									
	8	3TD52	3TF52, 3TF53	3TX7 521-1A		1.7	1																																																																									
	10	3TD54	3TF54, 3TF55	3TX7 541-1A		2.4	1																																																																									
	12	3TD56	3TF56	3TX7 561-1A		2.6	1																																																																									
	14	3TD68	3TF68	3TX7 681-1A		5.5	1																																																																									

3TF50 to 3TF69, 3TK50 to 3TK56 Contactors

Accessories

For contactor		Design		Order No.	Price	Weight approx.	Packing
			Max. rated operational currents I_n /AC-1 of the contactors (at 55 °C)				
Size	Type	A	mm ²		1 unit	kg	Units
Links for paralleling, 3-pole, with terminal ¹⁾							
6	3TF50	400, 475	4 x 150, 4 x 240	3TX7 500-0B ³⁾		0.224	1
	3TF51, 3TK50	400	4 x 240	3TX7 520-0B ³⁾		0.254	1
8	3TF52	500	4 x 240	3TX7 520-0B ³⁾		0.254	1
Links for paralleling (star jumpers), 3-pole, without terminal ¹⁾							
	6	3TF50		3TX7 500-0D ²⁾		0.076	1
		3TF51, 3TK50		3TX7 520-0D ³⁾		0.103	1
	8	3TF52		3TX7 520-0D ³⁾		0.103	1
		3TF53, 3TK52		3TX7 540-0D		0.16	1
	10	3TF54/55, 3TK54		3TX7 540-0D		0.16	1
	12	3TF56		3TX7 540-0D		0.16	1
		3TF57, 3TK56		3TX7 570-0D		0.177	1
	14	3TF68		3TX7 680-0D		0.254	1
	• Cover plate for links for paralleling						
	8 to 12	3TF53 to 3TF57 3TK52 to 3TK56	A cover plate must be used with the 3TX7 540-0D to 3TX7 680-0D links for paralleling for protection against inadvertent contact (DIN VDE 0106 Part 100).	3TX7 560-0E		0.122	1
14	3TF68		3TX7 680-0E		0.180	1	
Box terminal block							
3TX7 500-0E	6	3TF50	Hinged to allow the use of a hexagonal socket wrench	3TX7 500-0E		0.205	1
	• Auxiliary conductor terminal for box terminal						
	6	3TF50	For clamping under the box terminal. Conductor cross-sections: solid: 2 x (0.5 to 1) mm ² ; 2 x (1 to 2.5) mm ² Finely stranded with end sleeve: 2 x (0.75 to 2.5) mm ² Solid or stranded: 2 x (18 to 12) AWG Tightening torque: 0.8 Nm to 1.4 Nm (7 to 12 lb.in)	3TX7 500-0A		0.01	1
Box terminals for laminated copper bars							
• Without auxiliary conductor terminal				(Order No. and price per set)			
6 and 8	3TF51, 3TF52, 3TK50	With single covers for protection against inadvertent contact (DIN VDE 0106 Part 100)		3TX7 510-1E		0.4	1 set= 3 units
8 to 12	3TF53 to 3TF56 3TK52, 3TK54			3TX7 530-1E		0.6	1 set= 3 units
12 and 14	3TF57, 3TF68, 3TK56			3TX7 570-1E		0.6	1 set= 3 units
• With auxiliary conductor terminal				(Order No. and price per set)			
6 and 8	3TF51, 3TF52, 3TK50	With single covers for protection against inadvertent contact (DIN VDE 0106 Part 100)		3TX7 510-1F		0.42	1 set= 3 units
8 to 12	3TF53 to 3TF56 3TK52, 3TK54	Conductor cross-sections for auxiliary conductors: solid: 2 x (0.75 to 2.5) mm ² Finely stranded with end sleeve: 2 x (0.5 to 2.5) mm ² Solid or stranded: 2 x (18 to 12) AWG Tightening torque: 0.8 Nm to 1.4 Nm (7 to 12 lb.in)		3TX7 530-1F		0.62	1 set= 3 units
12 and 14	3TF57, 3TF68, 3TK56			3TX7 570-1F		0.62	1 set= 3 units
14	3TF69			3TX7 690-1F		2.0	1 set= 3 units

1) The links for paralleling can be reduced by one pole. 2) The links for paralleling are insulated.

3) A cover plate is enclosed for protection against inadvertent contact.

3TF50 to 3TF69, 3TK50 to 3TK56 Contactors

Spare parts

For contactor		Design	Order No.	Price	Weight approx.	Packing	
Size	Type			1 unit	kg	Units	
Coils							
	• AC operation						
	6	3TF50, 3TF51, 3TK50	For sizes 6 to 14: double coils	3TY7 503-0A..	0.23	1	
	8	3TF52, 3TF53, 3TK52		3TY7 523-0A..	0.35	1	
	10	3TF54, 3TF55, 3TK54		3TY7 543-0A..	0.39	1	
	12	3TF56, 3TK56		3TY7 563-0A..	0.56	1	
		3TF57	3TF57, 3TF68 and 3TF69 contactors: The coils are fitted with varistors for damping surges as standard; the coil is supplied with the closing electronics included.	3TY7 573-0C..	0.56	1	
	14	3TF68		3TY7 683-0C..	0.65	1	
		3TF69		3TY7 693-0C..	0.65	1	
	• DC operation · DC economy circuit						
	6	3TF50, 3TF51, 3TK50	For sizes 6 to 14: double coils	3TY7 503-0D..	0.23	1	
	8	3TF52, 3TF53, 3TK52	Reversing contactors are required for size 8 and larger contactors:	3TY7 523-0D..	0.35	1	
	10	3TF54, 3TF55, 3TK54	<u>Contactor type</u> • 3TF52 to 55, 3TK52, 3TK54: • 3TF56 and 3TK56: • 3TF57 to 3TF69:	<u>Reversing contactor type</u> 3TF40 3TF42 3TC44 (width 70 mm, height 85 mm)	3TY7 543-0D..	0.39	1
	12	3TF56, 3TK56, 3TF57		3TY7 563-0D.. 3TY7 573-0D..	0.56 0.56	1 1	
	14	3TF68 3TF69	The coils are supplied without the reversing contactor.	3TY7 683-0D.. 3TY7 693-0D..	0.56 0.56	1 1	

For rated control supply voltages, see page 3/114

Arc chutes						
						
6	3TF50 3TF51	1 arc chute, 3-pole	3TY7 502-0A 3TY7 512-0A		0.75 0.75	1 1
8	3TF52 3TF53		3TY7 522-0A 3TY7 532-0A		1.0 1.0	1 1
10	3TF54 3TF55		3TY7 542-0A 3TY7 552-0A		1.3 1.3	1 1
12	3TF56 3TF57		3TY7 562-0A 3TY7 572-0A		1.7 1.7	1 1
6	3TK50	1 arc chute, 3-pole	3TY7 502-0B		0.75	1
8	3TK52		3TY7 522-0B		1.0	1
10	3TK54		3TY7 542-0B		1.3	1
12	3TK56		3TY7 562-0B		1.7	1

Contacts with fixing parts						
						
In order to ensure reliable operation of the contactors, only Siemens original replacement contacts should be used.						
			Order No. and price per set			
6	3TF50 3TF51	3 moving and 6 fixed contacts	3TY7 500-0A 3TY7 510-0A	0.25 0.25	1 set 1 set	
8	3TF52 3TF53		3TY7 520-0A 3TY7 530-0A	0.3 0.3	1 set 1 set	
10	3TF54 3TF55		3TY7 540-0A 3TY7 550-0A	0.47 0.47	1 set 1 set	
12	3TF56 3TF57		3TY7 560-0A 3TY7 570-0A	0.73 0.73	1 set 1 set	
14	3TF68 3TF69	3 vacuum interrupters with mounting parts	3TY7 680-0B 3TY7 690-0B	3.2 3.5	1 set 1 set	
6	3TK50	3 moving and 6 fixed contacts	3TY7 500-0B	0.25	1 set	
8	3TK52		3TY7 520-0B	0.3	1 set	
10	3TK54		3TY7 540-0B	0.47	1 set	
12	3TK56		3TY7 560-0B	0.73	1 set	

3TF50 to 3TF69, 3TK50 to TK56 Contactors

Spare parts

For contactor		Number and design of the contacts			Order No.	Price	Weight approx.	Packing
		NO	NC					
Size	Type					1 unit	kg	Units
Auxiliary switch blocks								
• With screw connections								
6 to 14	3TF50 to 3TF69	1	1	–	First auxiliary switch block, left or right Replacement type for: 3TY7 561-1A, -1B.	3TY7 561-1AA00	0.042	1
	3TK50 to 3TK56	1	–	1	Auxiliary switch block, left or right	3TY7 561-1EA00	0.042	1
6 to 14	3TF50 to 3TF69, 3TK50 to 3TK56	1	1	–	Second auxiliary switch block, left or right Replacement type for: 3TY7 561-1K, -1L.	3TY7 561-1KA00	0.042	1
• Auxiliary switches for coil reconnection, for DC economy circuit with screw connections								
6 to 12	3TF50 to 3TF56, 3TK50 to 3TK56	–	–	1	Auxiliary switch block	3TY7 481-1F	0.042	1
12 and 14	3TF57 to 3TF69	–	–	1	Auxiliary switch block	3TY7 681-1G	0.042	

For solid-state compatible auxiliary switch block, see page 3/107.

3TY7 561-1.



3TB50 to 3TB56 Contactors

Spare parts

For contactor		Number and design of the contacts				Order No.	Price	Weight approx.	Packing
		NO	NC						
Size	Type						1 unit	kg	Units
Auxiliary switch blocks									
6	3TB50	1	1	–	Auxiliary switch block, left	3TY6 501-1A		0.042	1
		1	1	–	Auxiliary switch block, right	3TY6 501-1B		0.042	1
		1	–	1	Auxiliary switch block, right	3TY6 501-1E		0.042	1
6 to 12	3TB52 to 3TB56	1	1	–	Auxiliary switch block, left	3TY6 561-1A		0.075	1
		1	1	–	Auxiliary switch block, right	3TY6 561-1B		0.075	1
		1	–	1	Auxiliary switch block, right	3TY6 561-1E		0.075	1
Coils									
• DC operation									
6	3TB50	For sizes 6 to 12: double coil				3TY6 503-0B..		0.23	1
8	3TB52					3TY6 523-0B..		0.4	1
10	3TB54					3TY6 543-0B..		0.4	1
12	3TB56					3TY6 563-0B..		0.56	1
For rated control supply voltages for coils, see page 3/114.									
Arc chutes									
6	3TB50	1 arc chute, 3-pole				3TY6 502-0A		0.75	1
8	3TB52					3TY6 522-0A		1.0	1
10	3TB54					3TY6 542-0A		1.3	1
12	3TB56					3TY6 562-0A		1.7	1
Contacts with fixing parts									
In order to ensure reliable operation of the contactors, only Siemens original replacement contacts should be used.									
6	3TB50	3 moving and 6 fixed contacts				3TY6 500-0A		0.28	1
8	3TB52					3TY6 520-0A		0.5	1
10	3TB54					3TY6 540-0A		0.7	1
12	3TB56					3TY6 560-0A		0.8	1

3TY6 561-1A



3TY6 5.



3TY6 502-0A



3TY6 520-0A



3TK1 Contactors

Accessories and spare parts

For contactor	Design	Order No.	Price	Weight approx.	Packing
Type			1 unit	kg	Units
Surge suppressors · RC elements					
3TK10 to 3TK13	AC 24 V to 48 V AC 110 V to 415 V	3TK19 30-0A 3TK19 30-0B		0.05	1
3TK14 to 3TK17	AC 48 V to 110 V AC 220 V to 600 V	3TK19 34-0C 3TK19 34-0D		0.05	1
Terminal covers					
3TK10, 3TK11	For mounting onto contactors	3TK19 40-0A		0.15	2
3TK12, 3TK13		3TK19 42-0A			
3TK14, 3TK15		3TK19 44-0A		0.2	2
3TK17		3TK19 46-0A		0.2	2
Auxiliary switch blocks					
3TK1	First auxiliary switch block, left or right	3TK19 10-3A		0.05	1
	Second auxiliary switch block, left or right	3TK19 10-3B		0.05	1
Locking devices					
3TK10, 3TK11	For mechanically interlocking two identical contactors, 2 NC auxiliary contacts	3TK19 20-0A		0.13	1
3TK12, 3TK13		3TK19 22-0A			
3TK14, 3TK15, 3TK17	Mechanical interlock, including mounting plate	3TK19 24-0A		6	1
Arc chutes					
3TK10	1 arc chute, 4-pole	3TK19 50-0A		0.65	1
3TK11		3TK19 51-0A		0.65	
3TK12		3TK19 52-0A		1.25	
3TK13		3TK19 53-0A		1.25	
3TK14		3TK19 54-0A		3.20	
3TK15		3TK19 55-0A		3.20	
3TK17		3TK19 57-0A		3.20	
Coils					
3TK10, 3TK11		3TK19 70-0A..		0.35	1
3TK12, 3TK13		3TK19 72-0A..		0.45	1
3TK14, 3TK15, 3TK17		3TK19 74-0A..		0.95	1
For rated control supply voltages for coils, see page 3/114.					
Contacts with fixing parts					
3TK10	4 moving and 8 fixed contacts	Order No. and price per set			
3TK11		3TK19 60-0A		0.27	1 set
3TK12		3TK19 61-0A		0.27	1 set
3TK13		3TK19 62-0A		0.67	1 set
		3TK19 63-0A		0.67	1 set
3TK14		3TK19 64-0A		2.40	1 set
3TK15		3TK19 65-0A		2.40	1 set
3TK17		3TK19 67-0A		2.40	1 set

3TC44 to 3TC56 Contactors

Spare parts

Arc chute for 3TC48



For contactor	Design	Order No.	Price	Weight approx. kg
Size	Type			
• Arc chutes				
2	3TC44	Arc chute, 2-pole	3TY2 442-0A	0.16
4	3TC48		3TY2 482-0A	0.40
8	3TC52		3TY2 522-0A	0.80
12	3TC56		3TY2 562-0A	1.80

Main contacts 3TY2 520-0A



For contactor		Number and design					Order No.	Price	Weight approx.
		Main contacts	Aux. contacts		In order to ensure reliable operation of the contactors, only original Siemens replacement contacts should be used.				
									
Size	Type	Moving	Fixed	NO	NC				kg
• Contacts with fixing parts and auxiliary switch blocks1)									
2	3TC44	2	4	–	–	Main contacts	3TY2 440-0A		0.07
		–	–	1	1	Auxiliary switch block, left	3TY6 501-1A		0.042
		–	–	1	1	Auxiliary switch block, right	3TY6 501-1B		0.042
4	3TC48	2	4	–	–	Main contacts	3TY2 480-0A		0.10
		–	–	1	1	Auxiliary switch block, left	3TY6 501-1A		0.042
		–	–	1	1	Auxiliary switch block, right	3TY6 501-1B		0.042
		–	–	1	1	2nd auxiliary switch block, left ²⁾	3TY6 501-1K		0.042
		–	–	1	1	2nd auxiliary switch block, right ²⁾	3TY6 501-1L		0.042
8	3TC52	2	4	–	–	Main contacts	3TY2 520-0A		0.25
		–	–	1	1	Auxiliary switch block, left	3TY6 561-1A		0.075
		–	–	1	1	Auxiliary switch block, right	3TY6 561-1B		0.075
		–	–	1	1	2nd auxiliary switch block, left ²⁾	3TY6 561-1K		0.075
		–	–	1	1	2nd auxiliary switch block, right ²⁾	3TY6 561-1L		0.075
12	3TC56	2	4	–	–	Main contacts	3TY2 560-0A		0.45
		–	–	1	1	Auxiliary switch block, left	3TY6 561-1A		0.075
		–	–	1	1	Auxiliary switch block, right	3TY6 561-1B		0.075
		–	–	1	1	2nd auxiliary switch block, left ²⁾	3TY6 561-1K		0.075
		–	–	1	1	2nd auxiliary switch block, right ²⁾	3TY6 561-1L		0.075

Aux. switch block 3TY6 561-1A



For contactor	DC operation	Price	AC operation	Price
Size	Type	Order No. (Order No. supplement required acc. to table on page 3/114)	Order No. (Order No. supplement required acc. to table on page 3/114)	
• Coils				
2	3TC44	3TY6 443-0B..	3TY7 403-0A..	
4	3TC48	3TY6 483-0B..	3TY6 483-0A..	
8	3TC52	3TY6 523-0B..	3TY6 523-0A..	
12	3TC56	3TY6 563-0B..	3TY6 566-0A..	

3TC7 Contactors

Accessories and spare parts

Aux. switch block 3TY2



Design	Rated control supply voltage	Order No.	Price	Weight approx. kg
Varistor for sticking onto the contactor base (1 packaging unit = 10 units)		AC 24 V/DC 24 V AC 110 V/DC 110 V	3TX2 746-2F 3TX2 746-2G	0.03
For contactor	Design	Order No.	Price	Weight approx. kg
Type				
Contacts with fixing parts	3TC7	Main contacts (1 set)	3TY2 740-0E	0.34
Auxiliary switch blocks with terminal designations acc. to EN 50 012	3TC74	4 NO + 4 NC	3TY2 741-2J	0.08
	3TC78	Left, with 2 NO + 2 NC Right, with 2 NO + 2 NC	3TY2 781-2C 3TY2 781-2D	0.3
	3TC7	For 3TC78: 2 units required per contactor	3TY2 742-0C	3.8

1) Auxiliary switch blocks as for 3TB contactors.

2) Can only be mounted on AC-operated contactors.

Rated Control Supply Voltages for Coils

Selection and ordering data

Coil type	3TY6 483-0A..	3TY7 503-0A..	3TY7 523-0A..	3TY7 573-0C..	3TY7 683-0C..	3TK1 970-0A..	3TK1 974-0A..
Rated control supply voltage U_s	3TY6 523-0A..		3TY7 543-0A..		3TY7 693-0C..	3TK1 972-0A..	
Operating voltage at	3TY6 566-0A..		3TY7 563-0A..				

Rated control supply voltages (changes to 10th and 11th positions of the Order No.)

AC operation

Coils for 50 Hz

50 Hz	60 Hz							
AC 24 V	AC 39 V	B0	B0	-	-	-	B0 ⁴⁾	-
AC 32 V	AC 28 V	-	C0	-	-	-	-	-
AC 36 V	AC 42 V	G0	G0	-	-	-	-	-
AC 42 V	AC 50 V	D0	D0	-	-	-	-	-
AC 48 V	AC 58 V	H0	H0	-	-	-	-	-
AC 60 V	AC 72 V	E0	E0	-	-	-	-	-
AC 110 V	AC 132 V	F0	F0	F0	-	-	F0 ⁴⁾	F0 ⁴⁾
AC 125/127 V	AC 150/152 V	L0	L0	L0	-	-	-	-
AC 230/220 V	AC 277 V	P0 ¹⁾	P0 ¹⁾	P0 ¹⁾	-	-	P0 ⁴⁾	P0 ⁴⁾
AC 240 V	AC 288 V	U0	U0	U0	-	-	U0 ⁴⁾	U0 ⁴⁾
AC 400/380 V	AC 480/460 V	V0 ¹⁾	V0 ¹⁾	V0 ¹⁾	-	-	-	-
AC 415 V	AC 500 V	R0	R0	R0	-	-	-	-
AC 500 V	AC 600 V	S0	S0	S0	-	-	-	-

Coils for 50/60 Hz

AC 24 V	-	C2 ²⁾	-	-	-	-	-	-
AC 42 V	-	D2 ²⁾	-	-	-	-	-	-
AC 110 V	-	G2 ²⁾	G2 ²⁾	-	-	-	-	-
AC 115 V	-	J2 ²⁾	J2 ²⁾	-	-	-	-	-
AC 120 V	-	K2 ²⁾	K2 ²⁾	-	-	-	-	-
AC 208 V	-	M2 ²⁾	M2 ²⁾	-	-	-	-	-
AC 220 V	-	N2 ²⁾	N2 ²⁾	-	-	-	-	-
AC 230 V	-	L2 ²⁾	L2 ²⁾	-	-	-	-	-
AC 240 V	-	P2 ²⁾	P2 ²⁾	-	-	-	-	-
AC 440 V	-	R2 ²⁾	R2 ²⁾	-	-	-	-	-
AC 110 V to 132 V	-	-	-	F7	F7	-	-	-
AC 200 V to 240 V	-	-	-	M7	M7	-	-	-
AC 230 V to 277 V	-	-	-	-	P7 ³⁾	-	-	-
AC 380 V to 460 V	-	-	-	Q7	Q7	-	-	-
AC 500 V to 600 V	-	-	-	S7	S7	-	-	-

For USA and Canada

50 Hz	60 Hz							
AC 110 V	AC 120 V	-	K6	K6	-	-	-	-
AC 220 V	AC 240 V	-	P6	P6	-	-	-	-

Coil type	3TY6 443-0B..	3TY6 503-0B..	3TY7 503-0D..	3TY7 573-0D..		
Rated control supply voltage U_s		3TY6 523-0B..	3TY7 523-0D..	3TY7 683-0D..		
		3TY6 543-0B..	3TY7 543-0D..	3TY7 693-0D..		
		3TY6 563-0B..	3TY7 563-0D..			

Rated control supply voltages (changes to 10th and 11th positions of the Order No.)

DC operation

DC 12 V	-	-	-	-
DC 24 V	B4	B4	B4	B4
DC 30 V	C4	C4	C4	-
DC 36 V	V4	V4	V4	-
DC 42 V	D4	D4	D4	D4
DC 48 V	W4	W4	W4	W4
DC 60 V	E4	E4	E4	E4
DC 110 V	F4	F4	F4	F4
DC 125 V	G4	G4	G4	G4
DC 180 V	K4	K4	K4	-
DC 220 V	M4	M4	M4	M4
DC 230 V	P4	P4	P4	P4
DC 240 V	-	Q4	Q4	Q4
DC 250 V	-	N4	N4	N4

1) Coil voltage tolerance at 220 V or 380 V:
0.85 to 1.15 x U_s ;
lower tolerance range limit acc. to
IEC 60 947.

2) Coil voltage tolerance at 60 Hz: 0.85 to 1.1 x U_s ;
mechanical endurance at 60 Hz:
5 million operating cycles.
3) Lower tolerance range limit at 220 V:
0.85 x U_s acc. to IEC 60 947.

4) Rated control supply voltages U_s :
50 Hz 60 Hz
B0: 24 V -
F0: 110 V 120 V
P0: 220 V to 230 V 240 V (3TK1 974 only)
U0: 230 V to 240 V -