

Contactors and Replacement Parts

General Purpose - Type 3TC

Ordering information

- Select Contactor from table below.
- Complete catalog number replace the two daggers (††) with appropriate coil voltage suffix. See corresponding coil voltage suffix table below.
- Technical Data [see page 2/178-2/181](#).
- Dimensions [see page 2/221](#).



3TC44



3TC52

Frame Size	Ampere Rating		2 Pole DC HP Ratings (DC-3, DC-5)				Auxiliary contacts		AC-Operated Order No.	DC-Operated Order No.
	Open	Enclosed	115 V	230 V	500 V	575 V	NO	NC		
3TC DC Contactors										
2	40	40	5	10	15	15	2	2	3TC4417-0B††	3TC4417-0A††
4	75	68	8	18	40	45	2	2	3TC4817-0B††	3TC4817-0A††
8	220	200	25	50	100	100	2	2	3TC5217-0B††	3TC5217-0A††
12	330	300	40	75	150	150	2	2	3TC5617-0B††	3TC5617-0A††

Device	Frame Size	Catalog Number						
Coils, AC		24V AC	120V AC	220/240V AC	277V AC	480V AC	600V AC	
	3TC	3TY7403-0AC2	3TY7403-0AK6	3TY7403-0AP6	3TY7403-0AU1	3TY7403-0AV0	3TY7403-0AS0	
	3TC	3TY6483-0AC1	3TY6483-0AK6	3TY6483-0AP6	3TY6483-0AP0	3TY6483-0AV0	3TY6483-0AS0	
	3TC		3TY6523-0AK6	3TY6523-0AP6	3TY6523-0AP0	3TY6523-0AV0		
	3TC		3TY6566-0AK6		3TY6566-0AP0	3TY6566-0AV0	3TY6566-0AS0	
Coils, DC		24V DC	48V DC	110V DC	125V DC	230V DC		
	3TC	3TY6443-0BB4		3TY6443-0BF4	3TY6443-0BG4			
	3TC	3TY6483-0BB4	3TY6483-0BW4	3TY6483-0BF4	3TY6483-0BG4			
	3TC	3TY6523-0BB4		3TY6523-0BF4	3TY6523-0BG4	3TY6523-0BP4		
	3TC	3TY6563-0BB4		3TY6563-0BF4	3TY6563-0BG4	3TY6563-0BP4		

Frame size	Contact type	Mounting position	Solid state	Order No.
Auxiliary Contact Blocks with 1 NO + 1 NC contacts ²⁾				
	2, 4	3TC44 or 3TC48	1st block, left or right	—
			2nd block, left or right	Yes ³⁾
	4	3TC48	2nd block, left ⁵⁾	—
			2nd block, right ⁵⁾	—
3TY6501-1A	8, 12	3TC52 or 3TC56	1st block, left	—
			1st block, right	—
			2nd block, left ⁵⁾	—
			2nd block, right ⁵⁾	—

Coil Suffix Table ††

Replace †† in the contactor Order No. with a coil code from the table below.

V AC 50/60 Hz	Code	V DC	Code
24	C1	24	B4
120	K1*	36	V4
240	P1	48	W4
460	V0	60	E4
600	S0	72	J8
		110	F4
		125	G4
		220	M4
		230	P4

*Use suffix K2 for 3TC44.

Device Type	Frame Size	Catalog Number
Main Contacts ¹⁾		
	3TC44	3TY2440-0A
	3TC48	3TY2480-0A
	3TC52	3TY2520-0A
	3TC56	3TY2560-0A
Arc Chutes		
	3TC44	3TY2442-0A
	3TC48	3TY2482-0A
	3TC52	3TY2522-0A
	3TC56	3TY2562-0A

¹⁾ Main contact kits for size 3TC48 and larger include springs. Smaller sizes do not.

²⁾ On DC operated contactors the maximum number of auxiliary contacts is 2 NO, 2 NC.

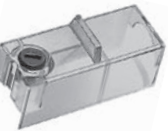
³⁾ For use in dusty atmosphere and electronic circuits with rated operational currents I_e AC-14 and DC-13 from 1 mA to 300 mA at 3V to 60V. With 1 changeover contact.

⁴⁾ Discount Code: DC Contactors

⁵⁾ Can only be mounted on AC-operated contactors.

DC Contactor Replacement Parts

General Purpose - Type 3TC

	For contactors		Version	Rated control supply voltage U_s		Order No.	Std. Pack Qty
	Size	Type		V AC	V DC		
Surge suppressors · Varistors							
 3TX7 402-3.	2	3TC44 ¹⁾	Varistors ²⁾ with line spacer, for mounting onto the coil terminal	24 ... 48 48 ... 127 127 ... 240 240 ... 400 400 ... 600	24 ... 70 70 ... 150 150 ... 250	3TX7 402-3G 3TX7 402-3H 3TX7 402-3J 3TX7 402-3K 3TX7 402-3L	1 1 1 1 1
	4	3TC48	Varistors ²⁾ for sticking onto the contactor base or for mounting separately	24 ... 48 48 ... 127 127 ... 240 240 ... 400 400 ... 600	24 ... 70 70 ... 150 150 ... 250	3TX7 462-3G 3TX7 462-3H 3TX7 462-3J 3TX7 462-3K 3TX7 462-3L	1 1 1 1 1
	8 and 12	3TC52, 3TC56	Varistor for sticking onto the contactor base or for mounting separately	24 ... 48 48 ... 127 127 ... 240 240 ... 400 400 ... 600		3TX7 462-3G 3TX7 462-3H 3TX7 462-3J 3TX7 462-3K 3TX7 462-3L	1 1 1 1 1
	8 and 12	3TC52, 3TC56	Varistors ²⁾ for separate screw connection or snapping onto TH 35 standard mounting rail		24 ... 70 70 ... 150 150 ... 250	3TX7 522-3G 3TX7 522-3H 3TX7 522-3J	1 1 1
	 3TX7 462-3.						
 3TX7 522-3.							
Surge suppressors · RC elements							
 3TX7 462-3., 3TX7 522-3.	4	3TC48	RC elements For lateral snapping onto auxiliary switch or TH 35 standard mounting rail	24 ... 48 48 ... 127 127 ... 240 240 ... 400 400 ... 600	24 ... 70 70 ... 150 150 ... 250	3TX7 462-3R 3TX7 522-3R 3TX7 462-3S 3TX7 522-3S 3TX7 462-3T 3TX7 522-3T 3TX7 462-3U 3TX7 462-3V	
	8 and 12	3TC52, 3TC56	RC elements For lateral snapping onto auxiliary switch or TH 35 standard mounting rail	24 ... 48 48 ... 127 127 ... 240 240 ... 400 400 ... 600		3TX7 522-3R 3TX7 522-3S 3TX7 522-3T 3TX7 522-3U 3TX7 522-3V	
Surge suppressors · Diodes							
 3TX7 462-3.	4 to 12	3TC48, 3TC52, 3TC56	Diode assemblies ³⁾ (diode and Zener diode) for DC solenoid system, for sticking onto the contactor base or for mounting separately		24 ... 250	3TX7 462-3D	
Terminal covers							
 3TX6 506-3B	6	3TC48	For protection against inadvertent contact with exposed busbar connections. Can be screwed on free screw end. Covers one busbar connection			3TX6 506-3B	1 set= 6 units
	10 and 14	3TC52, 3TC56				3TX6 546-3B	1 set= 6 units

¹⁾ The connection piece for mounting the surge suppressor must be bent slightly.

²⁾ Includes the peak value of the alternating voltage on the DC side.

³⁾ Not for DC economy circuit.