

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								
AC 240 V to 400 V								
AC 400 V to 600 V								
	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								
AC 240 V to 400 V								
AC 400 V to 600 V								
	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				
	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				
	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				
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								
AC 240 V to 400 V								
AC 400 V to 600 V								
	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				
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.

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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						
		Coil voltage tolerance: DC 17 V to 30 V Power consumption: 0.5 W at DC 24 V For technical data, see Part 6				
	6 to 14	3TF50 to 3TF69, 3TK50 to 3TK56	3TX7 090-0D		0.1	1
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