

















3TF AC Contactors

Selection and ordering data									
AC operation									
		3TF30		3TF40		3TF31		3TF41	
Auxiliary contacts NO NC									
		NO - NC		NO - NC		NO - NC		NO - NC	
Order No.		3TF30 00 - OX - - 3TF30 10 - OX 1 - 3TF30 01 - OX - 1		3TF40 10 - OX 1 - 3TF40 01 - OX - 1 3TF40 11 - OX 1 1 3TF40 22 - OX 2 2 3TF40 20 - OX 2 - 3TF40 31 - OX 3 1		3TF31 00 - OX - - 3TF31 10 - OX 1 - 3TF31 01 - OX - 1		3TF41 10 - OX 1 - 3TF41 01 - OX - 1 3TF41 11 - OX 1 1 3TF41 22 - OX 2 2 3TF41 20 - OX 2 - 3TF41 31 - OX 3 1	
Rated insulation voltage (V)		690		690		690		690	
Rated operational current (380V)		AC - 3 9 AC - 4 3.3		9 3.3		12 4.3		12 4.3	
Rated outputs of three-phase motors at 50Hz (KW)		AC - 3 230/220V 2.4 400/380V 4 500 V 5.5 690/660V 5.5 1000 V --		2.4 4 5.5 5.5 --		3.3 5.5 7.5 7.5 --		3.3 5.5 7.5 7.5 --	
		AC - 4 400/380V 1.48/1.4 690/660V 2.54/2.4		1.48/1.4 2.54/2.4		2/1.9 3.45/3.3		2/1.9 3.45/3.3	
Mechanical endurance (x10 ⁶)		15		15		15		15	
Electrical endurance (x10 ⁶)		AC - 3 1.2 AC - 4 0.2		1.2 0.2		1.2 0.2		1.2 0.2	
Switching frequency (1/h)		AC - 3 1000 AC - 4 250		1000 250		1000 250		1000 250	
Coil voltage tolerance (AC)		(0.8~1.1)U _s							
Order No. suffixes for rated control voltages for coils		Coils for 50Hz			Coils for 60Hz			Coils for 50/60Hz	
		50Hz	60Hz	B0	60Hz	50Hz	C1		
3TF3...OX <input type="checkbox"/> <input type="checkbox"/>		24V	29V	B0	24V	20V	C1	24V C2	
3TF4...OX <input type="checkbox"/> <input type="checkbox"/>		32V	38V	C0	110V	92V	G1	42V D2	
		36V	42V	G0	115V	96V	J1	110V G2	
		42V	50V	D0	120V	100V	K1	115V J2	
		48V	58V	H0	208V	173V	M1	120V K2	
		60V	72V	E0	220V	183V	N1	208V M2	
		110V	132V	F0	230V	192V	L1	220V N2	
		125/127V	150/152V	L0	240V	200V	P1	230V L2	
		220V	264V	M0	440V	367V	R1	240V P2	
		230V	277V	P0	575V	480V	S1	440V R2	
		240V	288V	U0				575V S2	
		380V	460V	Q0					
		400V	480V	V0					
		415V	500V	R0					
		500V	600V	S0					
Power consumption of coil (50Hz)		Closed (VA) 10		10		10		10	
		p.f. 0.29		0.29		0.29		0.29	
		Closed (VA) 68		68		68		68	
		p.f. 0.82		0.82		0.82		0.82	
Conventional thermal current (A)		20		20		20		20	
Conventional thermal current of auxiliary contacts		10		10		10		10	
Rated insulation voltage of auxiliary contacts		690		690		690		690	
Rated operational current of auxiliary contacts (A)		AC - 15 6/10 380/220V		6/10		6/10		6/10	
		DC - 13 0.9/0.45 110/220V		0.9/0.45		0.9/0.45		0.9/0.45	
Weight (kg)		0.37		0.43		0.37		0.43	

Note: 3TX4 auxiliary contact blocks for 3TF3 series, see P2/16.

3TF AC Contactors

Selection and ordering data													
AC operation													
		3TF50		3TF51		3TF52		3TF53					
Auxiliary contacts NO NC													
		NO - NC		NO - NC		NO - NC		NO - NC					
Order No.		3TF50 22 - 0X 3TF50 44 - 0X		3TF51 22 - 0X 3TF51 44 - 0X		3TF52 22 - 0X 3TF52 44 - 0X		3TF53 22 - 0X 3TF53 44 - 0X					
		2 2 4 4		2 2 4 4		2 2 4 4		2 2 4 4					
Rated insulation voltage (V)		1000		1000		1000		1000					
Rated operational current (A) (380V)		AC - 3 AC - 4		110 54		140 68		170 75		205 96			
Rated outputs of three-phase motors at 50Hz (KW)		AC - 3 AC - 4		230/220V 400/380V 500 V 690/660V 1000 V		37 55 76 100 65		43 75 98 100 65		55 90 118 156 90		64 110 145 156 90	
		400/380V 690/660V		28.4/27 49/46.9		36/35 63/60		40/38 69/66		52/50 90/86			
Mechanical endurance (x10 ⁶)		10		10		10		10					
Electrical endurance (x10 ⁶)		AC - 3 AC - 4		1.2 0.2		1.2 0.2		1.2 0.2		1.2 0.2			
Switching frequency (1/h)		AC - 3 AC - 4		1000 300		750 200		700 200		500 130			
Coil voltage tolerance (AC)		(0.8~1.1)U _s											
Order No. suffixes for rated control voltages for coils		Coils for 50Hz			Coils for 60Hz			Coils for 50/60Hz					
		50Hz 60Hz			60Hz 50Hz								
3TF50...0X□□		24V 29V B0 32V 38V C0 36V 42V G0 42V 50V D0 48V 58V H0 60V 72V E0 110V 132V F0			24V 20V C1 110V 92V G1 115V 96V J1 120V 100V K1 208V 173V M1 220V 183V N1 230V 192V L1			24V C2 42V D2 110V G2 115V J2 120V K2 208V M2 220V N2 230V L2					
3TF53...0X□□		125/127V 150/152V L0 220V 264V M0 230V 277V P0 240V 288V U0 380V 460V Q0 400V 480V V0 415V 500V R0 500V 600V S0			240V 200V P1 440V 367V R1 575V 480V S1			240V P2 440V R2 575V S2					
Power consumption of coil (50Hz)		Closed (VA)		39		39		58		58			
		p.f.		0.24		0.24		0.26		0.26			
		Closing (VA)		550		550		910		910			
		p.f.		0.45		0.45		0.38		0.38			
Conventional thermal current (A)		160		160		210		220					
Conventional thermal current of auxiliary contacts (A)		10		10		10		10					
Rated insulation voltage of auxiliary contacts (V)		690		690		690		690					
Rated operational current of auxiliary contacts (A)		AC - 15 380/220V		4/6		4/6		4/6		4/6			
		DC - 13 110/220V		1.14/0.48		1.14/0.48		1.14/0.48		1.14/0.48			
Weight (kg)		3.3/3.5		3.3/3.5		4.8/5.0		4.8/5.0					