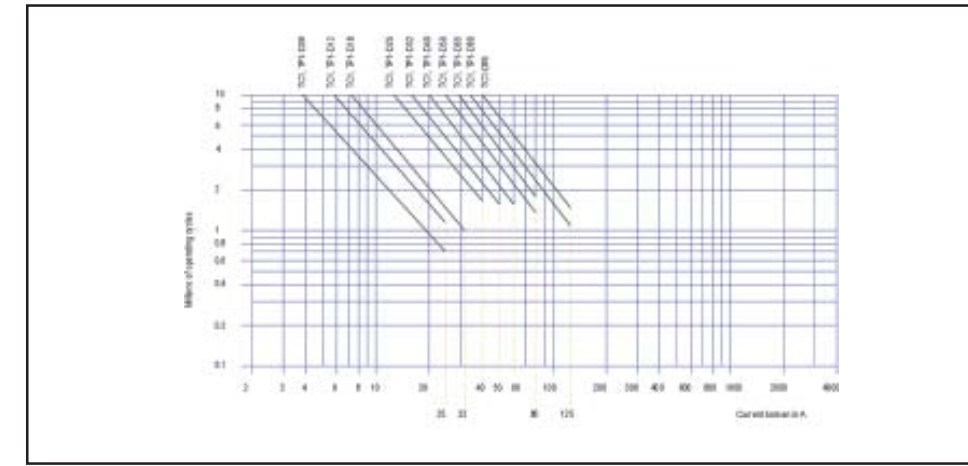
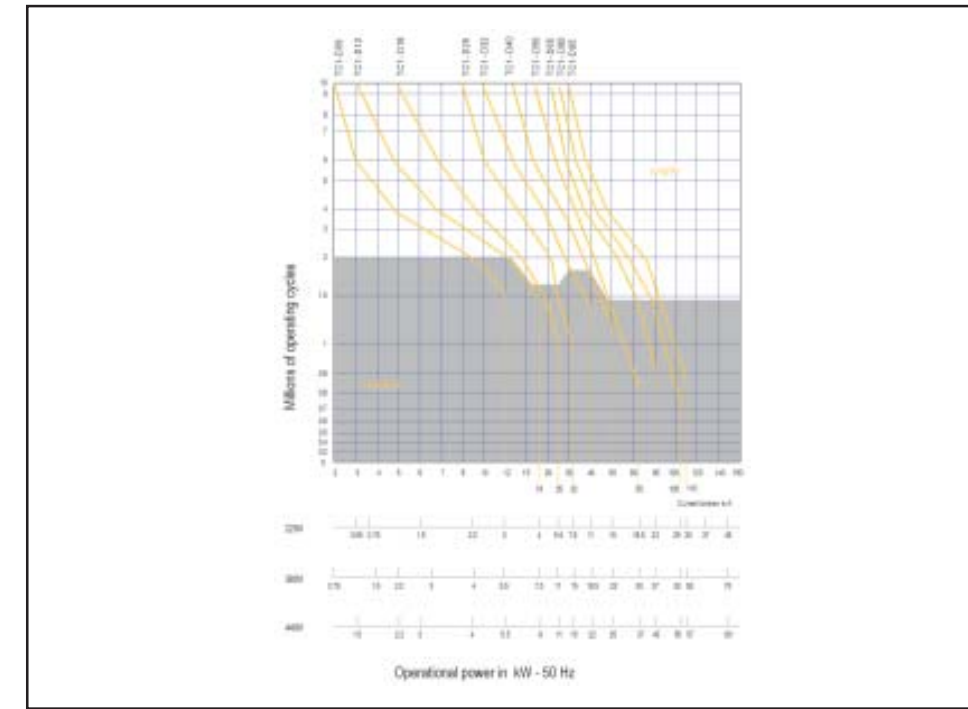


**T-RANGE CONTACTOR SELECTION GUIDE** (according to the required electrical life)

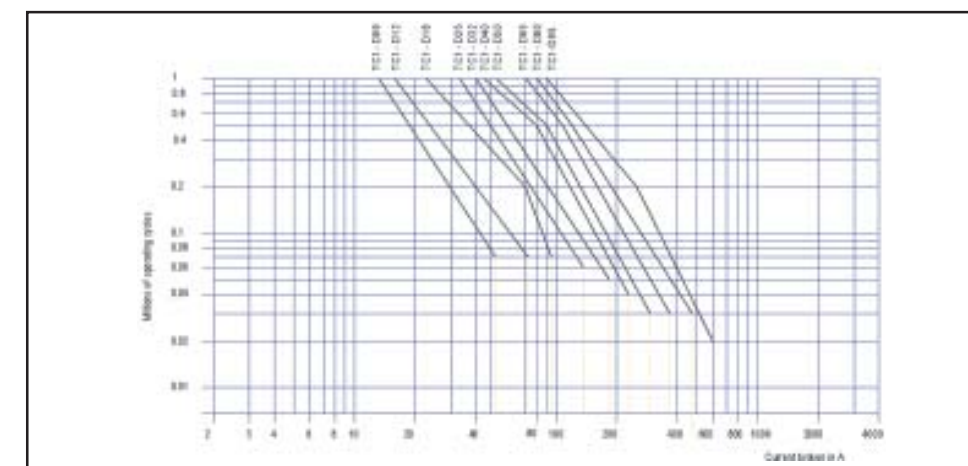
Use in Category AC-1 ( $I_e \leq 440V$ ). Control of resistive circuits ( $\cos \phi \geq 0.95$ ). The current broken ( $I_b$ ) in category AC-1 is equal to the current ( $I_n$ ) normally drawn by the load.



Use in Category AC-3 ( $I_e \leq 440V$ ). Control of 3-phase asynchronous squirrel cage motors with breaking whilst motor running. The current broken ( $I_b$ ) in category AC-3 is equal to the current ( $I_n$ ) normally drawn by the load.

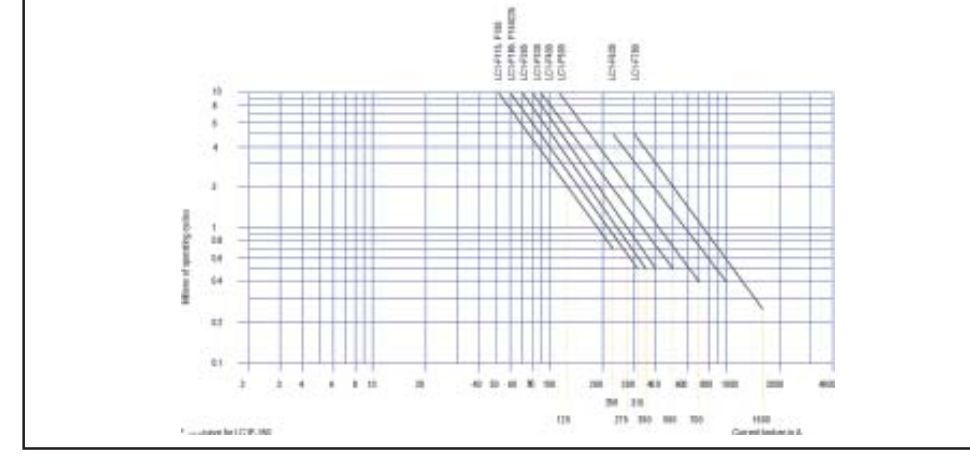


Use in Categories AC-2, AC-4 ( $I_e \leq 440V$ ). Control of 3-phase asynchronous squirrel cage (AC-4) or slip ring (AC-2) motors with breaking whilst motor stalled. The current broken in category AC-4 is equal to  $6 \times I_n$  ( $I_n$  = rated operational current of the motor).

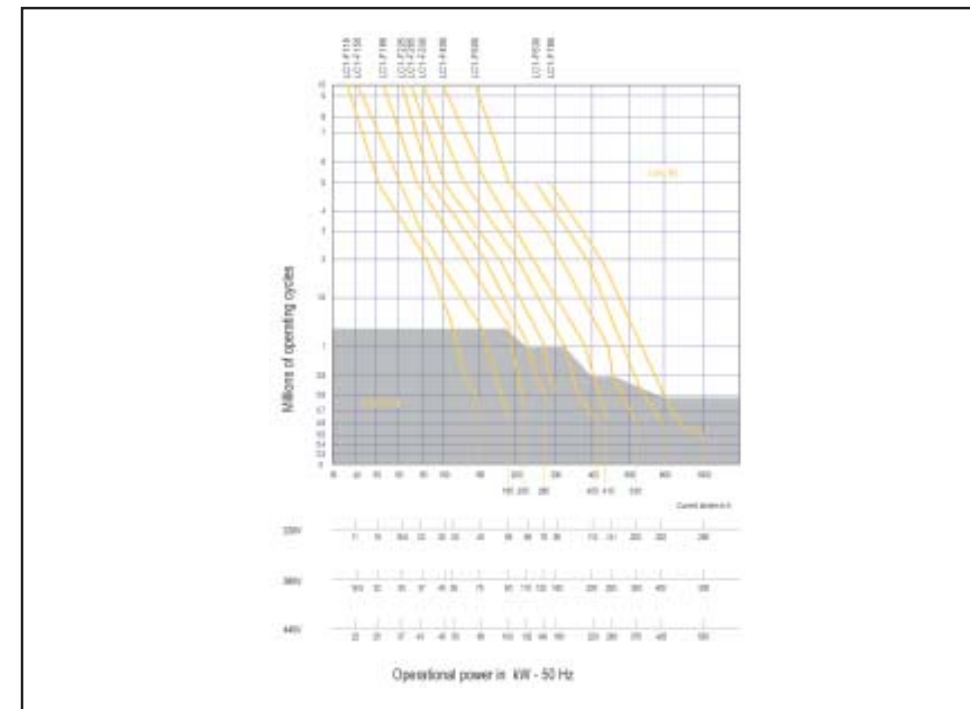


**F-RANGE CONTACTOR SELECTION GUIDE** (according to the required electrical life)

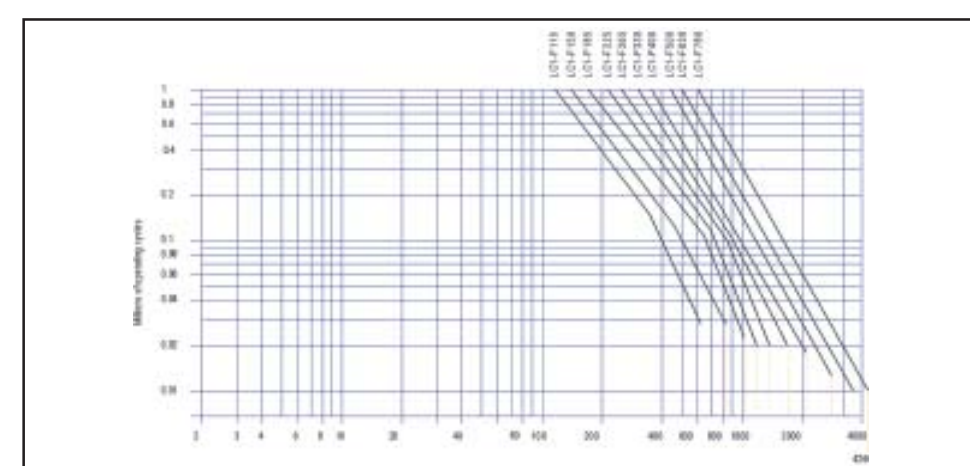
Use in Category AC-1 ( $I_e \leq 440V$ ). Control of resistive circuits ( $\cos \phi \geq 0.95$ ). The current broken ( $I_b$ ) in category AC-1 is equal to the current ( $I_n$ ) normally drawn by the load.



Use in Category AC-3 ( $I_e \leq 440V$ ). Control of 3-phase asynchronous squirrel cage motors with breaking whilst motor running. The current broken ( $I_b$ ) in category AC-3 is equal to the current ( $I_n$ ) normally drawn by the load.



Use in Categories AC-2, AC-4 ( $I_e \leq 440V$ ). Control of 3-phase asynchronous squirrel cage (AC-4) or slip ring (AC-2) motors with breaking whilst motor stalled. The current broken in category AC-4 is equal to  $6 \times I_n$  ( $I_n$  = rated operational current of the motor).



\* Product Innovation is a continuous process, hence data given is subject to change without notice

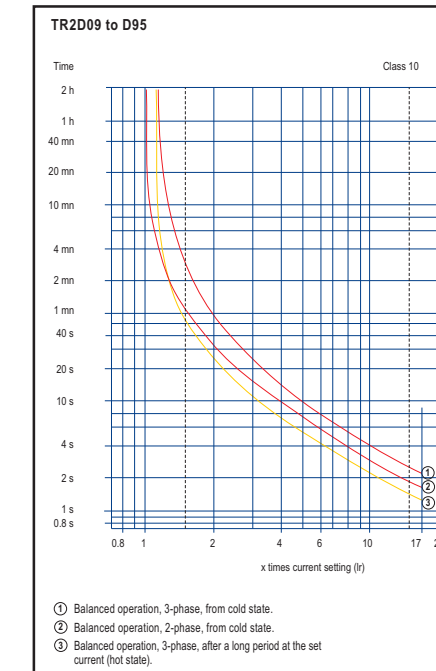
**Relay Selection Table (Type T + F) - These relays can be automatic or manual reset**

- Built-in single phase protection.
- Potential free 1NO and 1NC contacts.
- Yellow flag indicator for indication of relay tripping.
- Manual reset facility.

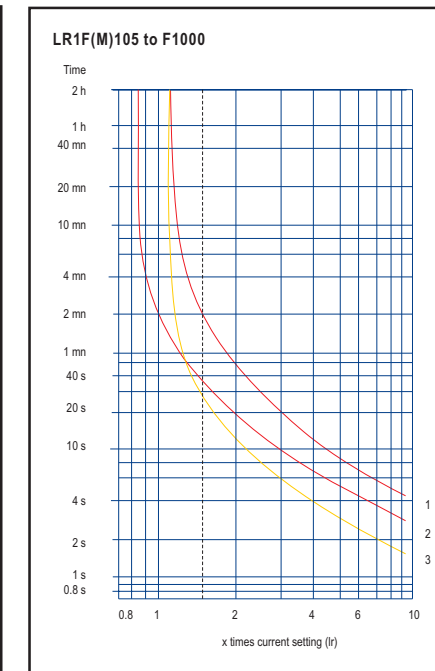
RELAY REFERENCE	RELAY SETTING RANGE (A)	STANDARD POWER RATINGS OF 3-PHASE MOTORS 50/60Hz, AC3 CATEGORY					BACK UP FUSE RATING g1 (A)	BASE PLATE* REFERENCE
		220V KW	380V KW	415V KW	440V KW	660V KW		
TR2-D09301	0.1 to 0.16	-	-	-	-	-	2	
TR2-D09302	0.16 to 0.25	-	-	-	-	-	2	
TR2-D09303	0.25 to 0.4	-	-	-	-	-	2	
TR2-D09304	0.4 to 0.63	-	-	-	-	0.37	2	
TR2-D09305	0.63 to 1	-	-	-	-	0.55	4	
TR2-D09306	1 to 1.6	-	0.37	-	0.55	1.1	4	
TR2-D09306	1.25 to 2	-	0.55	0.75	0.75	1.3	6	
TR2-D09307	1.6 to 2.5	0.37	0.75	1.1	1.1	1.5	6	
TR2-D09308	2.5 to 4	0.75	1.5	1.5	1.5	3	10	
TR2-D09310	4 to 6	1.1	2.2	2.2	2.2	4	16	
TR2-D09312	5.5 to 8	1.5	3	3.7	3.7	5.5	20	
TR2-D09314	7 to 10	2.2	4	4	4	7.5	20	
TR2-D12316	9 to 13	3	5.5	5.5	5.5	10	25	
TR2-D18321	12 to 18	4	7.5	9	9	15	35	
TR2-D25322	17 to 25	5.5	11	11	11	18.5	50	TA7D0964
TR2-D32353	23 to 32	7.5	15	15	15	*	63	
TR2-D32355	28 to 36	9	15	18.5	18.5	*	80	TA7D3264
TR2-D40353	23 to 32	7.5	15	15	15	22	63	
TR2-D40355	30 to 40	10	18.5	22	22	30	100	
TR2-D65357	37 to 50	11	22	25	25	37	100	
TR2-D65359	48 to 65	18.5	25	30	30	50	100	
TR2-D65361	55 to 70	20	30	37	37	55	125	
TR2-D80363	63 to 80	22	33	40	40	59	125	
TR2-D95365	80 to 93	25	45	49	50	80	160	
LR1-F(M)105	65 to 105	25	51	55	59	90	160	
LR1-F(M)125	80 to 125	30	59	63	63	110	200	
LR1-F160	100 to 160	45	80	80	90	140	250	
LR1-F200	125 to 200	55	90	100	110	160	315	
LR1-F250	160 to 250	63	110	129	140	200	400	
LR1-F315	200 to 315	80	150	160	160	257	500	
LR1-F400	250 to 400	110	185	200	220	335	630	
LR1-F500	315 to 500	140	250	257	280	445	800	
LR1-F630	400 to 630	180	315	355	375	500	800	
LR1-F800	500 to 800	220	400	425	450	—	1000	
LR1-F1000	630 to 1000	295	500	500	500	—	1250	

\* For Independent Mounting

**Relay Tripping Curves (Type T + F)**



- ① Balanced operation, 3-phase, from cold state.
- ② Balanced operation, 2-phase, from cold state.
- ③ Balanced operation, 3-phase, after a long period at the set current (hot state).



**Contactors T & F Range**



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