

# robusta Contactor Series

## Overload Relays



robusta2



robusta



robusta

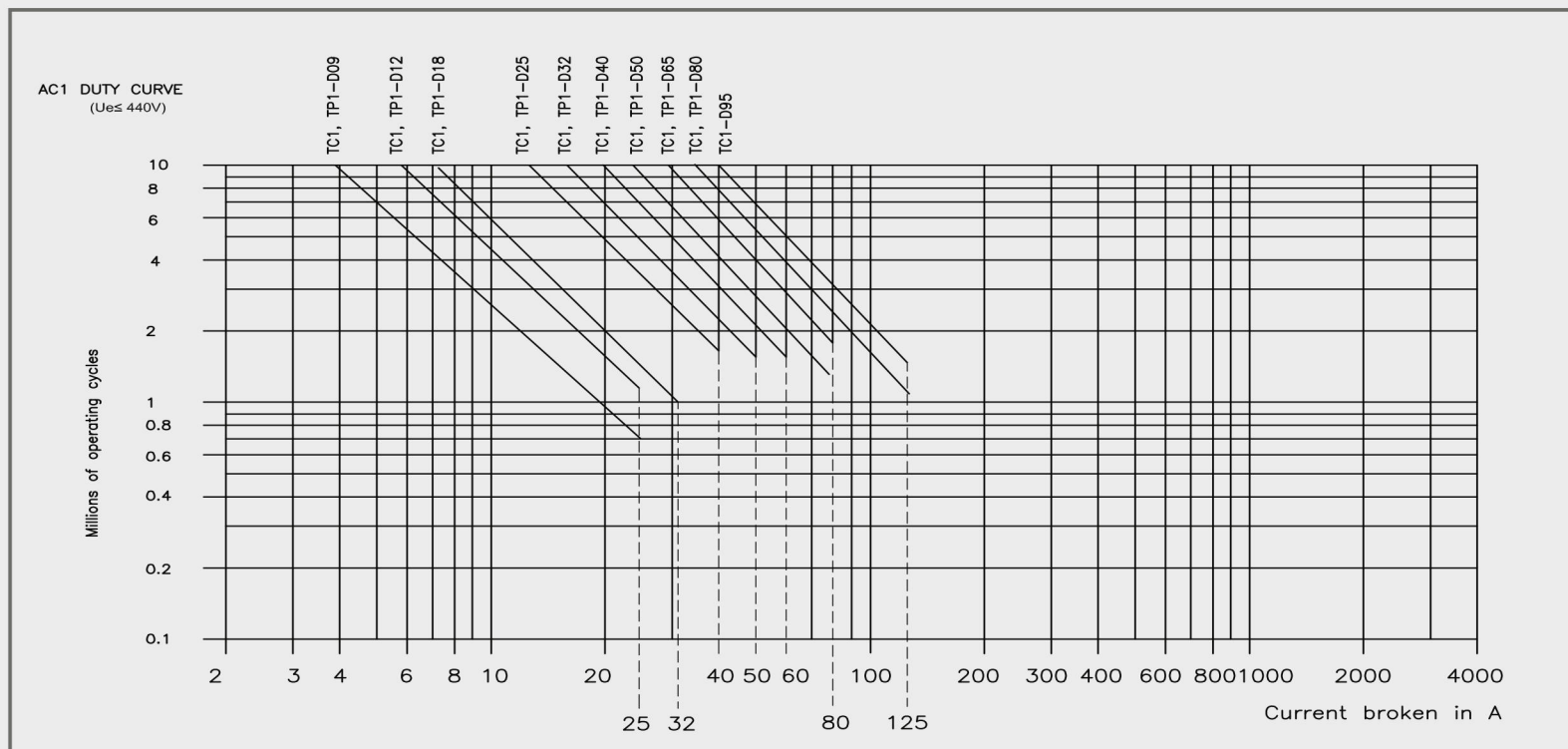
Relay Reference	Relay setting range (A)	Standard power ratings of 3-Ph. Motors 50/60Hz, AC3					Back Up		Base Plate* reference
		220V	380V	415V	440V	660V	Fuse Rating		
		KW	KW	KW	KW	KW	aM (A)	g1 (A)	
TR2■09301	0.1 to 0.16	-	-	-	-	-	0.25	2	TA7D0964
TR2■09302	0.16 to 0.25	-	-	-	-	-	0.5	2	
TR2■09303	0.25 to 0.4	-	-	-	-	-	1	2	
TR2■09304	0.4 to 0.63	-	-	-	-	0.37	1	2	
TR2■09305	0.63 to 1	-	-	-	-	0.55	2	4	
TR2■09306	1 to 1.6	-	0.37	-	0.55	1.1	2	4	
TR2■093X6	1.25 to 2	-	0.55	0.75	0.75	1.3	4	6	
TR2■09307	1.6 to 2.5	0.37	0.75	1.1	1.1	1.5	4	6	
TR2■09308	2.5 to 4	0.75	1.5	1.5	1.5	3	6	10	
TR2■09310	4 to 6	1.1	2.2	2.2	2.2	4	8	16	
TR2■09312	5.5 to 8	1.5	3	3.7	3.7	5.5	12	20	
TR2■09314	7 to 10	2.2	4	4	4	7.5	12	20	
TR2■12316	9 to 13	3	5.5	5.5	5.5	10	16	25	
TR2■18321	12 to 18	4	7.5	9	9	15	20	35	
TR2■25322	17 to 25	5.5	11	11	11	18.5	25	50	TA7D3264
TR2■32353	23 to 32	7.5	15	15	15	-	40	63	
TR2■32355	28 to 36	9	15	18.5	18.5	-	40	80	
TR2■40355	30 to 40	10	18.5	22	22	30	40	100	TA7D4064
TR2■65357	37 to 50	11	22	25	25	37	63	100	
TR2■65359	48 to 65	18.5	25	30	30	50	63	100	
TR2■65361	55 to 70	20	30	37	37	55	80	125	
TR2■80363	63 to 80	22	33	40	40	59	80	125	
TR2■95365	80 to 93	25	45	49	50	80	100	160	
LR1-F105	65 to 105	25	51	55	59	90	0.25	160	
LR1-F125	80 to 125	30	59	59	63	110	125	200	
LR1-F160	100 to 160	45	80	80	90	140	160	250	
LR1-F200	125 to 200	55	90	100	110	160	200	315	
LR1-F250	160 to 250	63	110	129	140	200	250	400	
LR1-F315	200 to 315	80	150	160	160	257	315	500	
LR1-F400	250 to 400	110	185	200	220	335	400	630	
LR1-F500	315 to 500	140	250	257	280	445	500	800	
LR1-F630	400 to 630	180	315	355	375	500	630	800	
*LR1-F800	500 to 800	220	400	425	450	-	-	1000	
*LR1-F1000	630 to 1000	295	500	500	500	-	-	1250	

Note: Replace ■ with D for relays compatible with robusta or DM for relays compatible with robust 2 contactors.

## Electrical Life Curve - TC1D Type

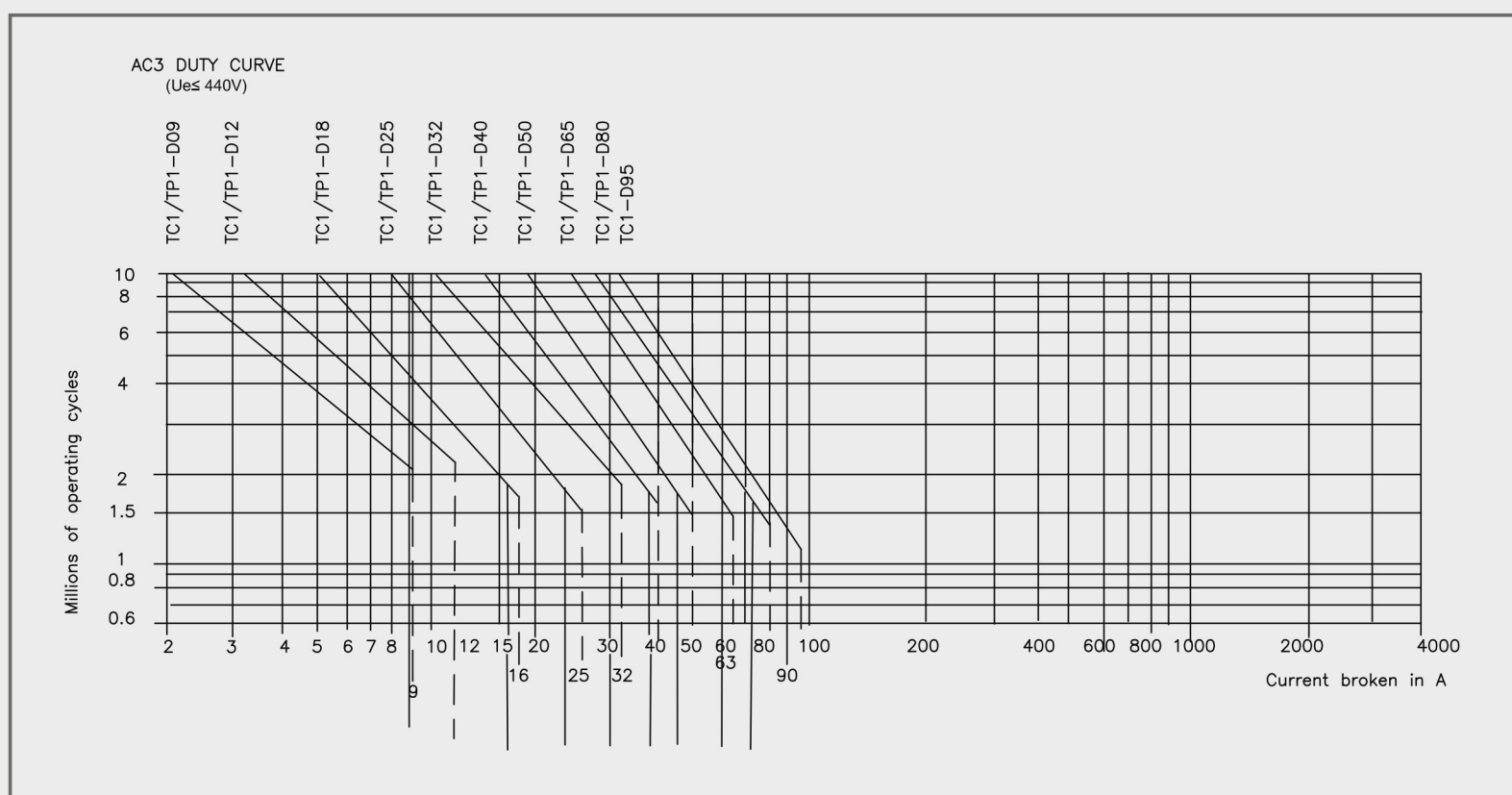
### Use in Category AC-1 ( $U_e \leq 440V$ ).

Control of resistive circuits ( $\cos\phi > 0.95$ ). The current broken ( $I_c$ ) in category AC-1 is equal to the current ( $I_n$ ) normally drawn by the load.



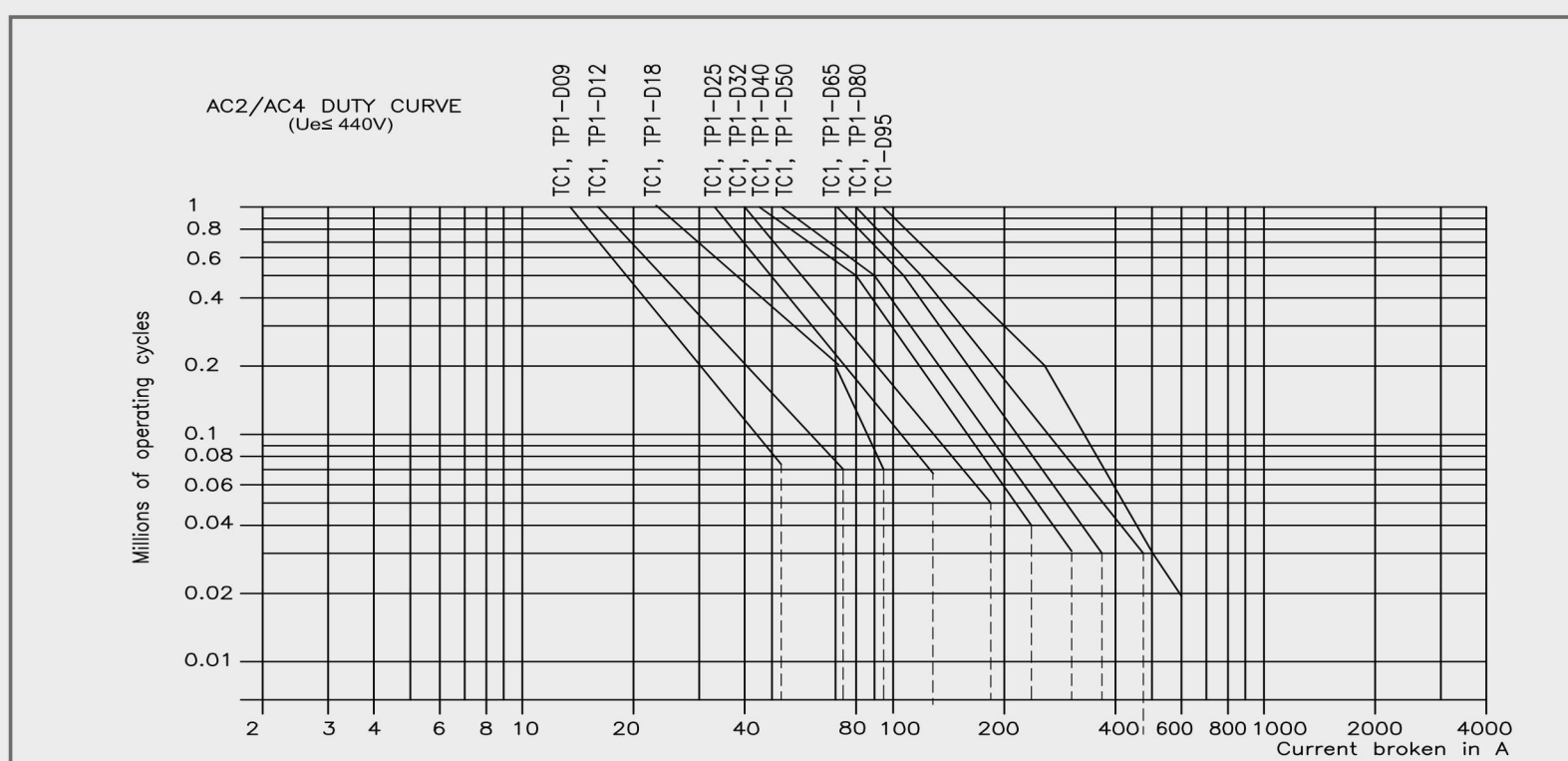
### Use in Category AC-3 ( $U_e \leq 440V$ ).

Control of 3-phase asynchronous squirrel cage motors with breaking whilst motor running. The current broken ( $I_c$ ) in category AC-3 is equal to the current ( $I_n$ ) normally drawn by the load.



### Use in Categories AC-2, AC-4 ( $U_e \leq 440V$ ).

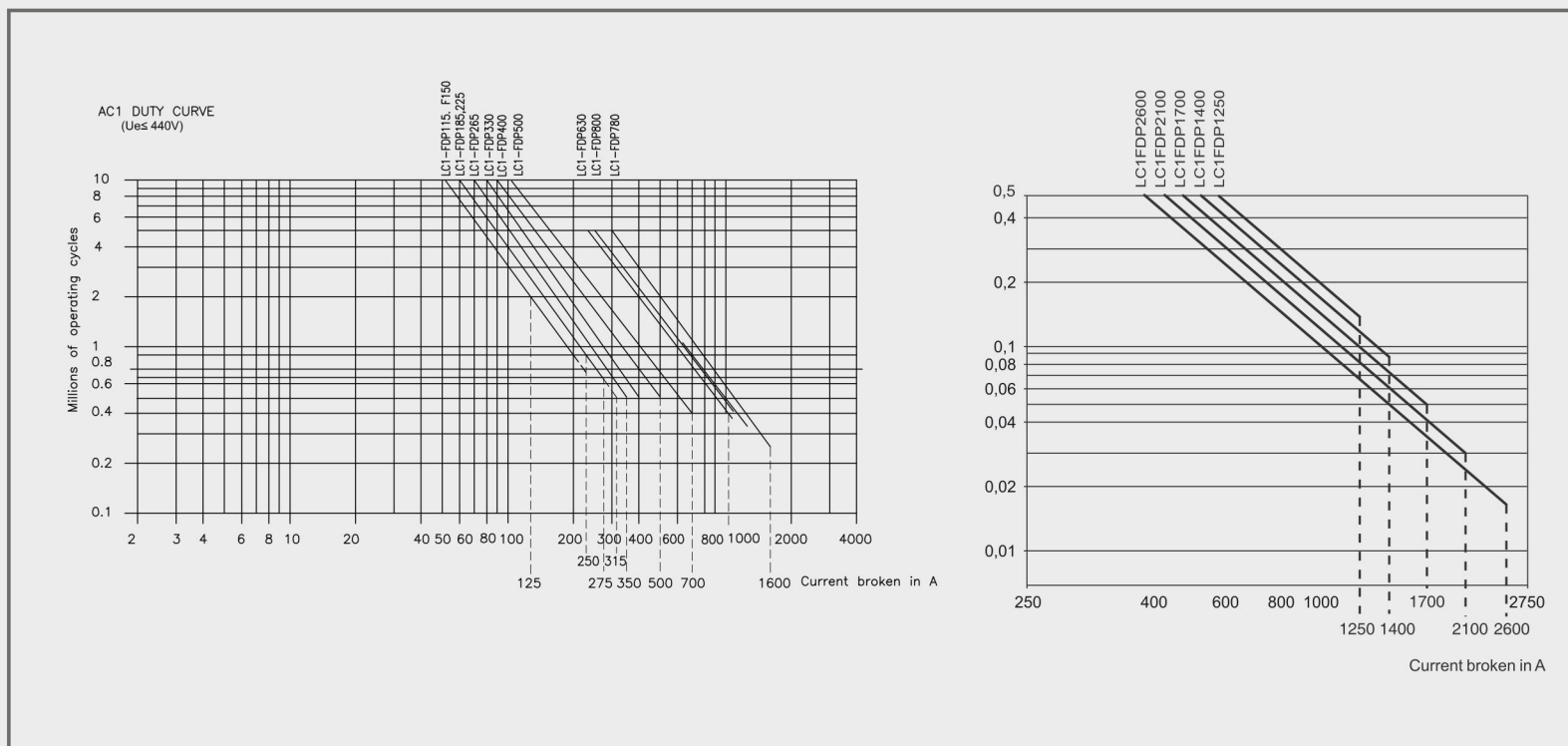
Control of 3-phase asynchronous squirrel cage (AC-4) or slip ring (AC-2) motors with breaking whilst motor stalled. The current broken in category AC-4 is equal to  $6 \times I_n$ . ( $I_n$  = rated operational current of the motor).



## Electrical Life Curve - LC1FDP Type

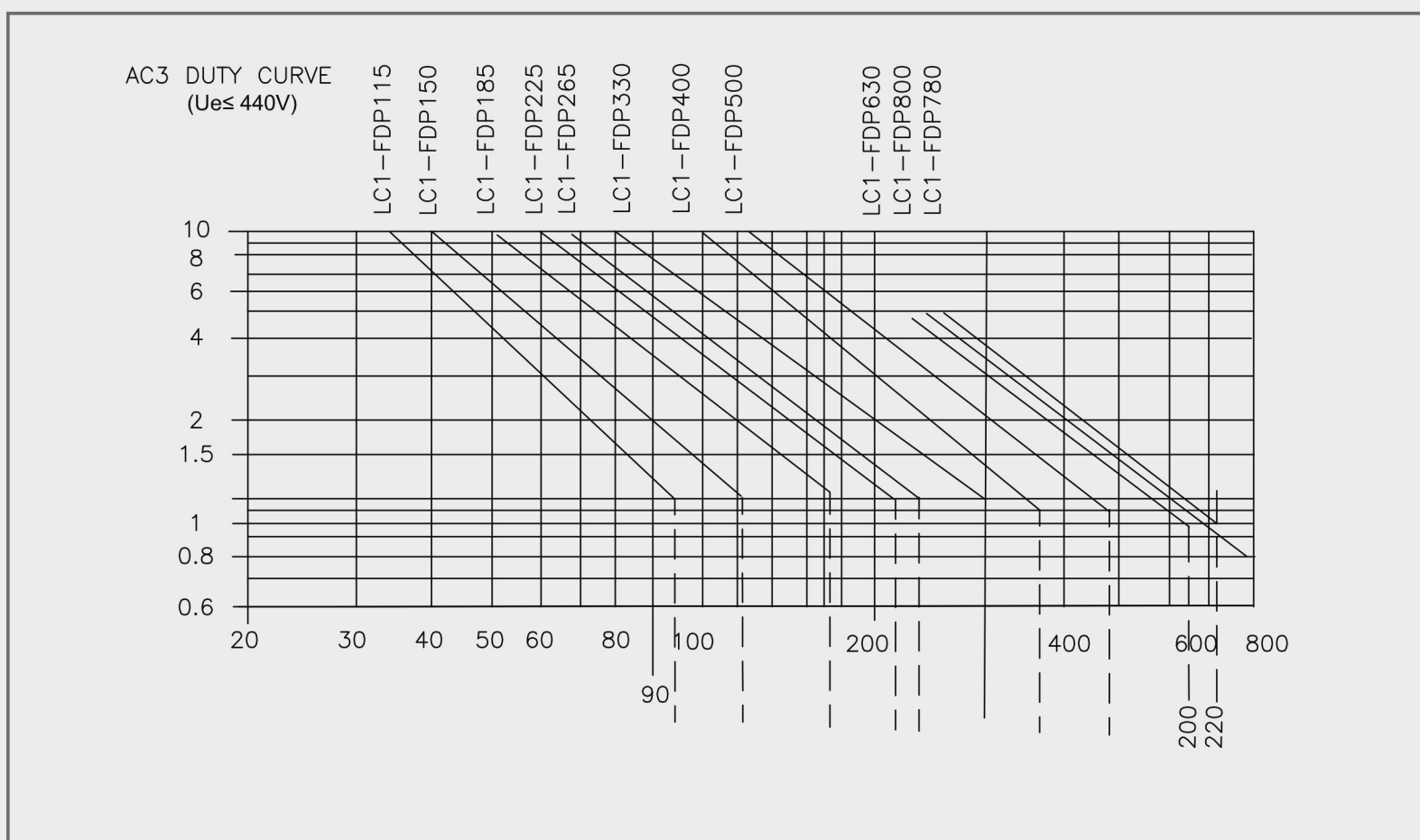
### Use in Category AC-1 ( $U_e \leq 440V$ ).

Control of resistive circuits ( $\cos\phi \geq 0.95$ ). The current broken ( $I_c$ ) in category AC-1 is equal to the current ( $I_n$ ) normally drawn by the load.



### Use in Category AC-3 ( $U_e \leq 440V$ ).

Control of 3-phase asynchronous squirrel cage motors with breaking whilst motor running. The current broken ( $I_c$ ) in category AC-3 is equal to the current ( $I_n$ ) normally drawn by the load.



### Use in Categories AC-2, AC-4 ( $U_e \leq 440V$ ).

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).

