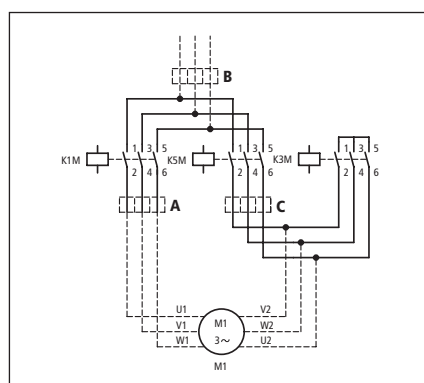
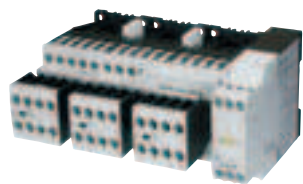
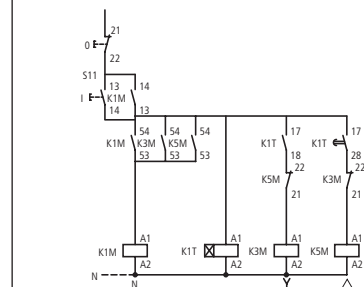


Star-delta combinations

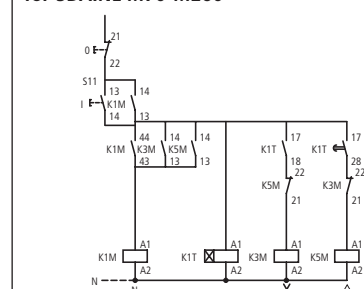
Rated operational current AC-3 380 V 400 V I_e A	Max. three-phase motor rating at 50-60 Hz				Switchover time up to s	Type Article no.
	AC-3 220 V 230 V P kW	380 V 400 V P kW	500 V P kW	660 V 690 V P kW		
12	3	5.5	5.5	5.5	20	SDAINLM12 (230V50HZ) 278286
16	4	7.5	7.5	7.5	20	SDAINLM16 (230V50HZ) 278311
22	5.5	11	11	11	20	SDAINLM22 (230V50HZ) 278336
30	7.5	15	18.5	18.5	20	SDAINLM30 (230V50HZ) 278361
45	11	22	30	22	20	SDAINLM45 (230V50HZ) 278386
55	15	30	37	30	20	SDAINLM55 (230V50HZ) 278411
70	18.5	37	45	37	20	SDAINLM70 (230V50HZ) 239895
90	22	45	55	45	20	SDAINLM90 (230V50HZ) 239937
115	30	55	75	55	20	SDAINLM115 (230V50HZ) 239963
140	37	75	90	90	20	SDAINLM140 (230V50HZ) 240009
165	45	90	110	132	20	SDAINLM165 (230V50HZ) 240035
200	55	110	132	160	20	SDAINLM200 (RAC240) 240060
260	75	132	160	200	20	SDAINLM260 (RAC240) 240078



for SDAINL M12-M55



for SDAINL M70-M260



Star-delta combinations

Individual combination components				Free auxiliary switch B = Break M = Make		
Mains contactor	Delta contactor	Star contactor	Timing relay	K1M	K3M	K5M
K1M Type	K5M Type	K3M Type	Type			
DILM7-10 + DILA-XHI20	DILM7-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DILM9-10 + DILA-XHI20	DILM9-01 + DILA-XHI20	DILM9-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DILM12-10 + DILA-XHI20	DILM12-01 + DILA-XHI20	DILM12-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DILM17-10 + DILA-XHI20	DILM17-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DILM25-10 + DILA-XHI20	DILM25-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DILM32-10 + DILA-XHI20	DILM32-01 + DILA-XHI20	DILM25-01 + DILA-XHI20	ETR4-51	1 M	1 M	1 M
DIL M40 + DIL M150-XHI31	DIL M40 + DIL M150-XHI11	DIL M40 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M50 + DIL M150-XHI31	DIL M50 + DIL M150-XHI11	DIL M40 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M65 + DIL M150-XHI31	DIL M65 + DIL M150-XHI11	DIL M40 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M80 + DIL M150-XHI31	DIL M80 + DIL M150-XHI11	DIL M50 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M95 + DIL M150-XHI31	DIL M95 + DIL M150-XHI11	DIL M65 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M115 + DIL M150-XHI31	DIL M115 + DIL M150-XHI11	DIL M80 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-
DIL M150 + DIL M150-XHI31	DIL M150 + DIL M150-XHI11	DIL M80 + DIL M150-XHI11	ETR4-51	1 B 1M	-	-

Overload relay settings

A: $I_N \times 0.58$

Protection of the motor in Y and Δ configuration

B: $I_N \times 1$

In Y configuration only conditional motor protection

C: $I_N \times 0.58$

No motor protection in Y configuration

Starting

≤ 15 s

15-40 s

> 40 s

Timing relay setting to approx. 10 s

Main circuit:

Depending on the aspired co-ordination type "1" or "2", it is necessary to verify if the fusing and the incomer to the mains and delta contactor can be used together, or if they must be used separately.