

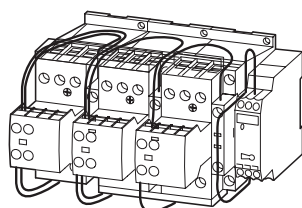
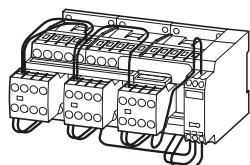
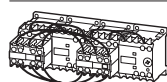
1.1

Contactor combinations

Star-delta combinations

Ordering

1



Star-delta combinations SDAINL

Operating frequency: maximum 30 starts per hour

Rated operational current AC-3	Max. rated operational power for three-phase motors, 50 - 60 Hz				Max. change- over time s	Part no. Article no.	Price See price list	Std. pack
400 V	230 V	400 V	500 V	690 V				
I _e	P	P	P	P				
A	kW	kW	kW	kW				
12	4	5.5	5.5	–	< 30	SDAINLEM(230V50Hz) 051840		1 off
12	3	5.5	5.5	5.5	< 20	SDAINLM12(230V50Hz) 278286		1 off
12	3	5.5	5.5	5.5	< 20	SDAINLM12(400V50Hz) 101380		1 off
12	3	5.5	5.5	5.5	< 20	SDAINLM12(24VDC) 100416		1 off
16	4	7.5	7.5	7.5	< 20	SDAINLM16(230V50Hz) 278311		1 off
16	4	7.5	7.5	7.5	< 20	SDAINLM16(400V50Hz) 101381		1 off
16	4	7.5	7.5	7.5	< 20	SDAINLM16(24VDC) 100417		1 off
22	5.5	11	11	11	< 20	SDAINLM22(230V50Hz) 278336		1 off
22	5.5	11	11	11	< 20	SDAINLM22(400V50Hz) 101382		1 off
22	5.5	11	11	11	< 20	SDAINLM22(24VDC) 100418		1 off
30	7.5	15	18.5	18.5	< 20	SDAINLM30(230V50Hz) 278361		1 off
30	7.5	15	18.5	18.5	< 20	SDAINLM30(400V50Hz) 101383		1 off
30	7.5	15	18.5	18.5	< 20	SDAINLM30(RDC24) 100419		1 off
45	11	22	30	22	< 20	SDAINLM45(230V50Hz) 278386		1 off
45	11	22	30	22	< 20	SDAINLM45(400V50Hz) 101384		1 off
45	11	22	30	22	< 20	SDAINLM45(RDC24) 100420		1 off
55	15	30	37	30	< 20	SDAINLM55(230V50Hz) 278411		1 off
55	15	30	37	30	< 20	SDAINLM55(400V50Hz) 101385		1 off
55	15	30	37	30	< 20	SDAINLM55(RDC24) 100421		1 off
70	18.5	37	45	37	< 20	SDAINLM70(230V50Hz) 239895		1 off
70	18.5	37	45	37	< 20	SDAINLM70(400V50Hz) 101386		1 off
90	22	45	55	45	< 20	SDAINLM90(230V50Hz) 239937		1 off
115	30	55	75	55	< 20	SDAINLM115(230V50Hz) 239963		1 off
140	37	75	90	90	< 20	SDAINLM140(230V50Hz) 240009		1 off
165	45	90	110	132	< 20	SDAINLM165(230V50Hz) 240035		1 off
200	55	110	132	160	< 20	SDAINLM200(230V50Hz) 101010		1 off
260	75	132	160	160	< 20	SDAINLM260(230V50Hz) 101031		1 off

Individual components of the combination

Spare auxiliary contacts

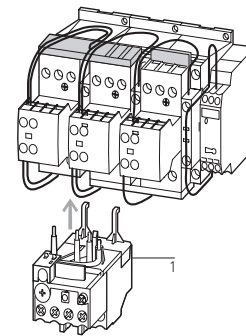
Notes

Mains contactor Q11	Delta contactor Q15	Star contactor Q13	Timing relays K1	Q11	Q13	Q15
Part no.	Part no.	Part no.	Part no.			
DILEM-10 + 22DILEM	DILEM-01	DILEM-10 + 02DILEM	DILET		—	—
DILM7-10 + DILA-XHI20	DILM7-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM7-10 + DILA-XHI20	DILM7-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM7-10 + DILA-XHI20	DILM7-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM9-10 + DILA-XHI20	DILM9-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM9-10 + DILA-XHI20	DILM9-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM9-10 + DILA-XHI20	DILM9-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM12-10 + DILA-XHI20	DILM12-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM12-10 + DILA-XHI20	DILM12-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM12-10 + DILA-XHI20	DILM12-01 + DILA-XHI20	DILM7-01 + DILA-XHI20	ETR4-51			
DILM17-10 + DILA-XHI20	DILM17-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM17-10 + DILA-XHI20	DILM17-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM17-10 + DILA-XHI20	DILM17-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM25-10 + DILA-XHI20	DILM25-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM25-10 + DILA-XHI20	DILM25-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM25-10 + DILA-XHI20	DILM25-01 + DILA-XHI20	DILM17-01 + DILA-XHI20	ETR4-51			
DILM32-10 + DILA-XHI20	DILM32-01 + DILA-XHI20	DILM25-01 + DILA-XHI20	ETR4-51			
DILM32-10 + DILA-XHI20	DILM32-01 + DILA-XHI20	DILM25-01 + DILA-XHI20	ETR4-51			
DILM32-10 + DILA-XHI20	DILM32-01 + DILA-XHI20	DILM25-01 + DILA-XHI20	ETR4-51			
DILM40 + DILM150-XHI31	DILM40 + DILM150-XHI11	DILM40 + DILM150-XHI11	ETR4-51		—	—
DILM40 + DILM150-XHI31	DILM40 + DILM150-XHI11	DILM40 + DILM150-XHI11	ETR4-51		—	—
DILM50 + DILM150-XHI31	DILM50 + DILM150-XHI11	DILM40 + DILM150-XHI11	ETR4-51		—	—
DILM65 + DILM150-XHI31	DILM65 + DILM150-XHI11	DILM40 + DILM150-XHI11	ETR4-51		—	—
DILM80 + DILM150-XHI31	DILM80 + DILM150-XHI11	DILM50 + DILM150-XHI11	ETR4-51		—	—
DILM95 + DILM150-XHI31	DILM95 + DILM150-XHI11	DILM65 + DILM150-XHI11	ETR4-51		—	—
DILM115 + DILM150-XHI31	DILM115 + DILM150-XHI11	DILM80 + DILM150-XHI11	ETR4-51		—	—
DILM150 + DILM150-XHI31	DILM150 + DILM150-XHI11	DILM95 + DILM150-XHI11	ETR4-51		—	—

Main circuit:
Depending on the type of coordination required (i.e. Type "1" or Type "2") it must be established whether the fuse protection and the input wiring for the mains contactor and delta contactor are to be common or separate.

The following applies for SDAINLM 140 – SDAINLM 260:
• On the mounting plate.

Circuit diagrams, Star-delta combinations → page 46



Accessories

1 Overload relay
Accessories

Page

→ Chapter 1.2
→ 52