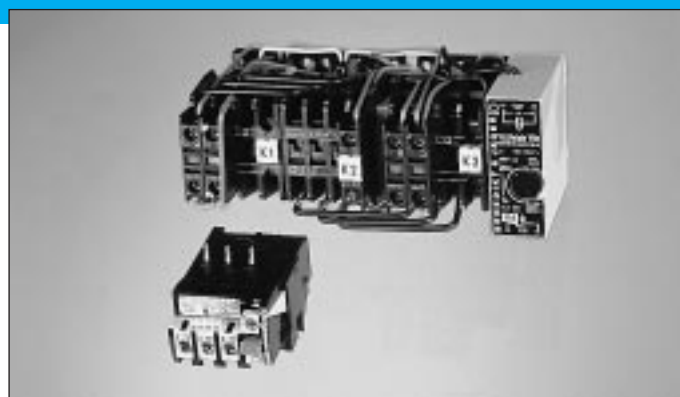
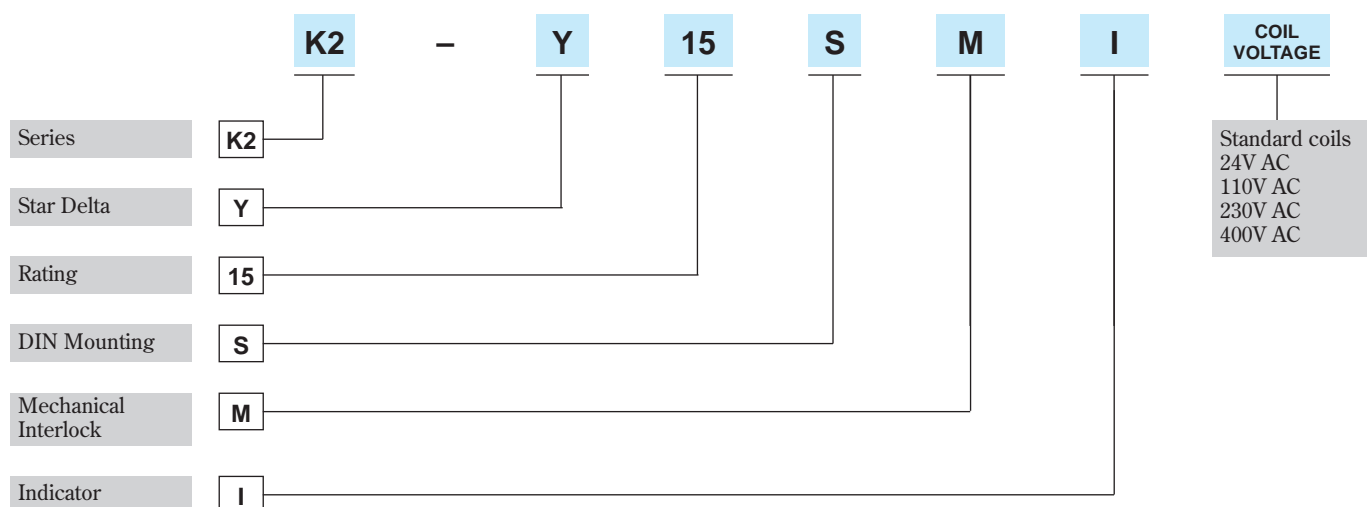


- Open type – assembled and pre-wired to accept separate overload
- LED indication in Delta position (up to 55kW)
- Variable electronic timer with inherent dwell period
- DIN rail mounting up to 30kW
- Mechanical and electrical interlock between Star and Delta contactors
- Designed to EN60947-4-1



Options and ordering codes



For overloads refer to page 36

Selection

Rating @ 400V AC kW	Amps	Contactors			Mechanical Interlock	Associated Overload	Product
		Line K1	Delta K2	Star K3			
7.5	16	K2-09A10 +HN10+HN01	K2-09A01	K2-09A10 +HN10+HN01	K2-8851	U1216E	K2-Y15SMI
15	30	K2-16A10 +HN10+HN01	K2-16A01	K2-12A10 +HN10+HN01	K2-8851	U1216E	K2-Y26SMI
22	45	K2-23A01 +HN10	K2-23A01	K2-16A10 +HN10+HN01	K2-8851	U1216E/U32	K2-Y40SMI
30	60	K2-30A01 +HN01	K2-30A01	K2-23A10 +HN10+HN01	K2-8851	U1216E/U32	K2-Y52SMI
45	85	K2-45A00 +HN10+HN01	K2-45A00 +HN01	K2-30A10 +HN10+HN01	LG9345	U60	K2-Y80MI
55	109	K2-60A00 +HN10+HN01	K2-60A00 +HN01	K2-45A00 +2HN10+HN01	LG9345	U60	K2-Y100MI
75	150	K85A22	K85A22	K85A22	LG8511	U85	K2-Y140M
110	205	K110A22	K110A22	K85A22	LG8511	U85	K2-Y200

Application notes

Setting of timer

It is essential to adjust the timer for the correct changeover from Star to Delta position, this will vary according to application.

Starters with long start times

For applications when a long run-up time is required, the type Y91A timer is used with a delay of 10-60 seconds, and the overload is mounted on the Delta contactor.

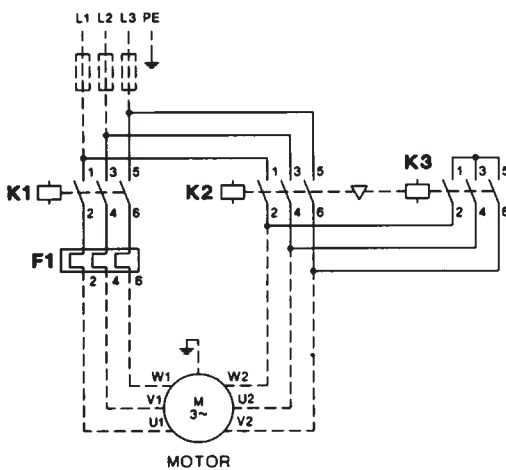
Add 'L' to the ordering code eg: K2-YL52SMI.

Finger touch protection

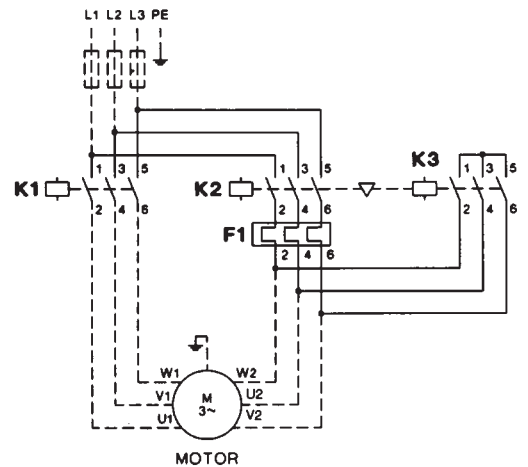
Types K2-Y15 to K2-Y52 incorporate finger touch protection as standard. For K2-Y80 to K2-Y200 it is necessary to fit an additional cover, refer to accessory section.

Typical circuit diagrams

Types K2Y15 to K2Y100
with overload relay U12/16, U32 or U60

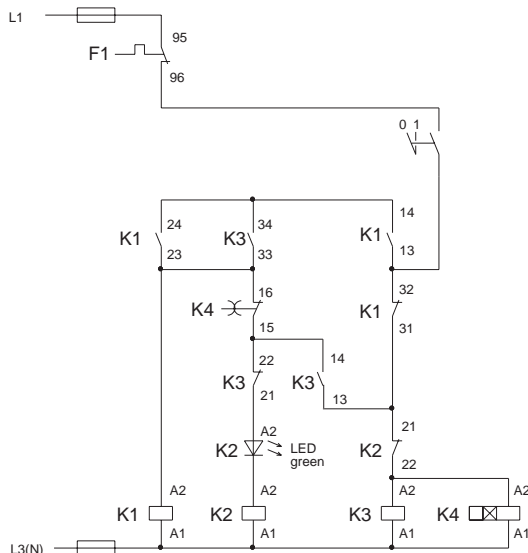


Types K2YL
basic circuit diagram

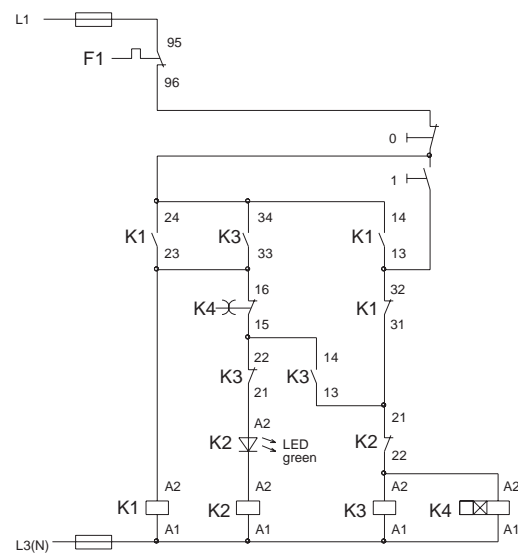


Control circuits

Types K2Y15 to K2Y26
operating with control switch

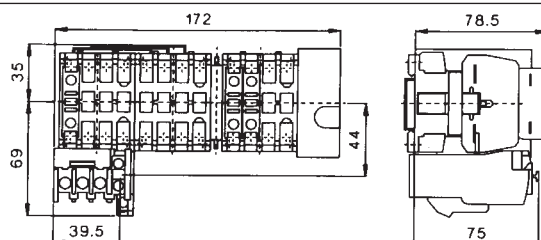


operating with push buttons

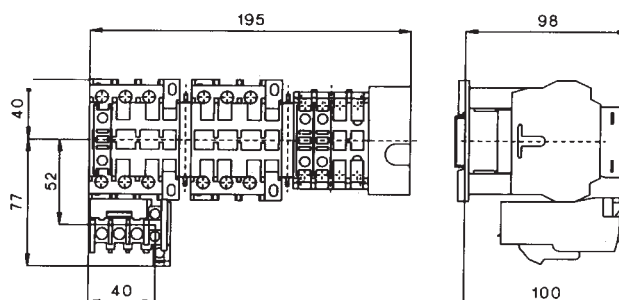


Dimensions (mm)

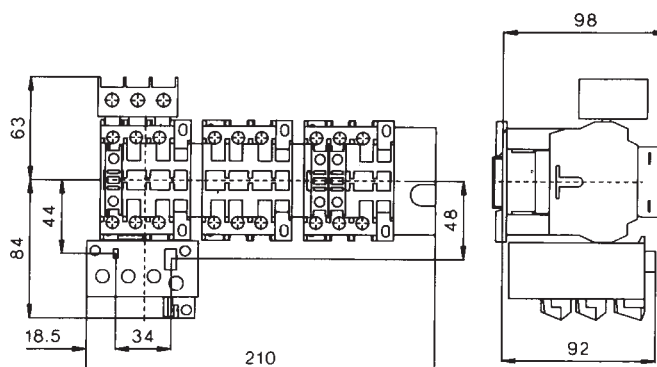
K2-Y15SM + U1216E
K2-Y26SM + U1216E



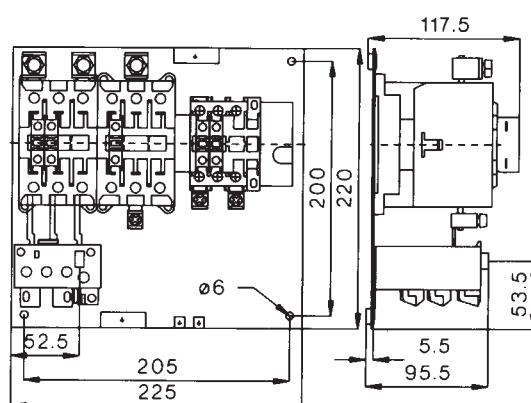
K2-Y40SM + U1216E



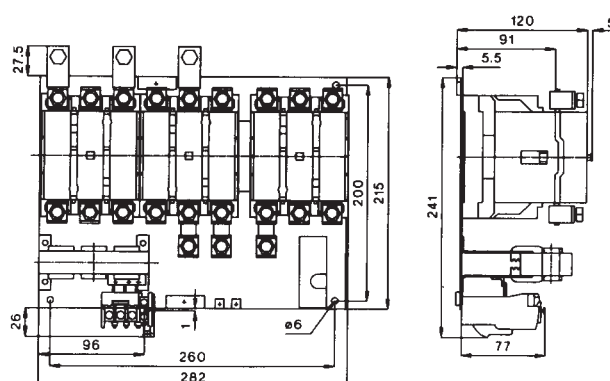
K2-Y52SM + U32



K2-Y80M + U60
K2-Y100M + U60



K2-Y140M + U85
K2-Y200M + U85



Thermal overloads

U1216E Hand Reset

Star Delta Range - Amps
3.10-4.70
4.70-7.00
7.00-10.5
10.5-15.5
14-19
18-24
23-31
30-40
38-52

€ Euro prices on request

U60 Hand/Auto Reset

Star Delta Range - Amps
35-48
48-73
70-90
90-112

€ Euro prices on request

U32 Hand/Auto Reset

Star Delta Range - Amps
18-24
24-35
35-48
48-73

€ Euro prices on request

U85 Hand/Auto Reset

Star Delta Range - Amps
104-156
140-207

€ Euro prices on request

Timer

Electronic timer specifically designed for use in Star Delta application.

Variable run-up time with an inherent dwell period of 20-30 ms during changeover from Star to Delta position.

DIN rail mounting. Contacts rated 4A at 415VAC.

The timer is not continuously rated and must be wired in accordance with circuit diagram as detailed on page 34.

Time	Voltage
1-20 seconds	24-60VAC
1-20 seconds	110-415VAC
10-60 seconds	24-60VAC
10-60 seconds	110-415VAC

€ Euro prices on request

Accessories

Description
Finger touch protection covers For use with K2-Y80MI and K2-Y100MI K2-Y140M and K2-Y200M
Mounting bracket for Y9 timer
Additional auxiliary contacts For use with K2-Y15SMI to K2-Y100MI Normally open Normally close
Control circuit fuse - snap-on For use with K2-Y15SMI to K2-Y100MI