



MOTOR STARTER MF1



LARSEN & TOUBRO LIMITED

Designed for reliable starting

LT-LK MF1 is a manually operated push button motor starter suitable for single phase motors up to 2 hp and three phase motors up to 7.5 hp. Specially designed bimetal elements give complete protection to motors against overload – a condition that may be caused by various factors including low voltage. The starter mechanism is quick-break and trip-free. Silver tipped contacts ensure long electrical life.

The elegantly designed enclosure is specially treated to resist corrosion. Cord packing keeps the interior dust and vermin free. The 'Start' button on the cover is shrouded to prevent accidental starting.

Overload relays for MF1 starters are available in different ranges to suit different motors.

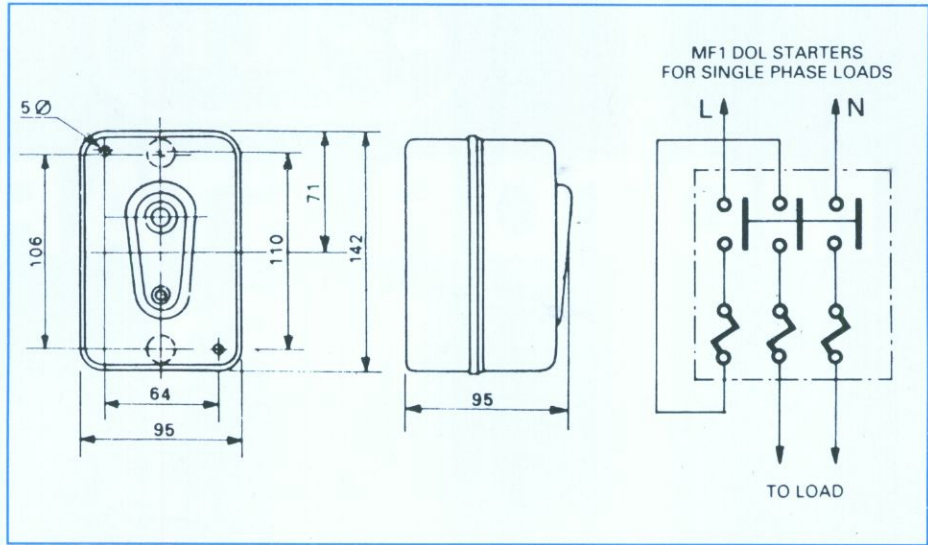
MF1 – economical for various applications

LT-LK MF1 motor starters are ideally suited and most economical for motors in installations where no-volt coil is unnecessary or undesirable. These installations include machine tools like grinders, polishers, lathes and wood working machines.

MF1 also finds wide application in switching and overload protection of exhaust fans in factories and theatres, unattended pumps, expensive domestic appliances like refrigerators, air conditioners and overload protection of cables and wires.

Technical Data

Nominal rating : 15A 415 V ac
 Thermal rating : 30A
 Motor duty : 11A (7.5 hp) 415 V ac
 Mechanical life : 100,000 operations
 Contact life : 100,000 operations
 Maximum frequency of operations : 15 per hour
 Weight : 0.28 kg without enclosure
 : 0.73 kg in sheet steel enclosure
 Capacity of terminals : 6 mm²



Selection of Relay Scale

Motor rating in hp		Relay scale Amps	Maximum safe rating of back-up fuses*	
240V Single phase	415V 3 phase		Cartridge fuses	Rewireable fuses SWG
	0.125	0.4 - 0.65	4A	35
	0.25	0.6 - 1.0	6A	32
0.125	0.5	1.0 - 1.6	6A	32
	0.75	1.5 - 2.5	16A	25
0.25	1.0	1.5 - 2.5	16A	25
	1.25	1.5 - 2.5	16A	25
0.50	1.5	2.5 - 4.0	25A	23
	1.75	2.5 - 4.0	25A	23
	2.0	2.5 - 4.0	25A	23
0.75	2.5	4.0 - 6.5	25A	23
	3.0	4.0 - 6.5	25A	23
	4.0	4.0 - 6.5	25A	23
1.00		6.0 - 10	32A	21
	5.0	6.0 - 10	32A	21
1.25	6.0	6.0 - 10	32A	21
2.00		9.0 - 15	32A	21
	7.5	9.0 - 15	32A	21

*Cartridge type fuses are recommended



Switchgear – Standard Products Division

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