DOL Starters P1M

- Up to 7.5kW
- IP65 enclosure
- Start-Stop pushbuttons
- Hand-Off-Auto selector
- Wired to accept overload
- Indicator
- Anti-condensation heater

Options and ordering codes

P1	M	T
Series P1		
	M20 x 1.5 conduit knockouts M	
		Start-stop pushbuttons T
		Reset pushbuttons R
		Hand-off-auto and reset W

09	Coil Voltage
9 amps AC3 09	
16 amps AC3 16	
	220-240V 50Hz Standard Coils
	380-415V 50Hz

Specification

			P1M_09	P1M_16
Contactor			K2-09A10	K2-16A10
Overload (sold separately)			U1216E	U1216E
Max. frequency of operation			15/hour	
Max. temperature			40˚C	
Ratings AC3 at 400V		Amps	9	16
		kW	4	7.5
		HP	6	11
Enclosure protection	'T' x 'R'		IP 65	
	'W'		IP 65	
Coil	Inrush	VA	35 – 45	
	Hold	VA	7 – 10	
		Voltage Range	0.85 – 1.1	
Cable cross section				
Line		Solid or stranded mm^2	0.75 – 4	
		Flexible mm^2	0.75 – 2.5	
		Flexible with multicore cable end mm^2	0.5 – 2.5	
		Cables per clamp	2	
Motor		Solid or stranded mm^2	0.75 – 6 + 0.75 – 2.5	
		Flexible mm^2	0.75 – 4 + 0.5 – 2.5	
		Flexible with multicore cable end mm^2	0.5 – 2.5 + 0.5 – 1.5	
		Cables per clamp	1 + 1	

DOL Starters P1M continued

Selection and product ordering codes

Starter

AC3 Rating at 400V Amps	kW	HP	Description	Product
9	4	6	Start-Stop P/B	P1MT09
16	7.5	11.5	Start-Stop P/B	P1MT16
9	4	6	Reset P/B	P1MR09
16	7.5	11.5	Reset P/B	P1MR16
9	4	6	H-O-A	P1MW09
16	7.5	11.5	H-O-A	P1MW16

Starters are wired to accept overload. Overloads supplied as separate item. Specify coil voltage.

Overload

Range Amps	Product	Range Amps	Product
0.12–0.18	U1216E0.18	2.7–4	U1216E4
0.18–0.27	U1216E0.27	4–6	U1216E6
0.27–0.4	U1216E0.4	6–9	U1216E9
0.4–0.6	U1216E0.6	8–11	U1216E11
0.6–0.9	U1216E0.9	10–14	U1216E14
0.8–1.2	U1216E1.2	13–18	U1216E18
1.2–1.8	U1216E1.8	17–23	U1216E23
1.8–2.7	U1216E2.7	23–30	U1216E30

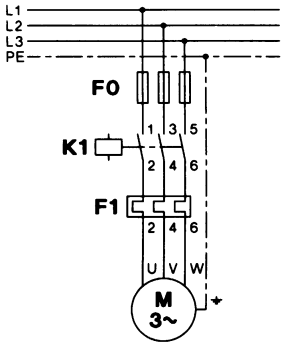
Accessories

Description	Product
Normally open auxiliary – Max 3	MCA10
Normally closed auxiliary – Max 3	MCA01
Anti-condensation heater – 415V 1.5W	K2HR
Lens cap	LG9743

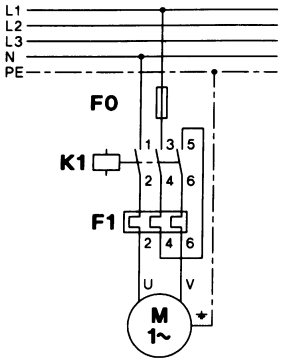
Description	Product
Green indicator (Current)	K2-ING
Red indicator (Current)	K2-INR
Neutral terminal	LG9744

Circuit diagrams

Wiring 3 Phase Motors

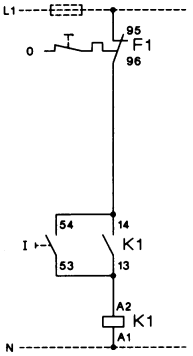


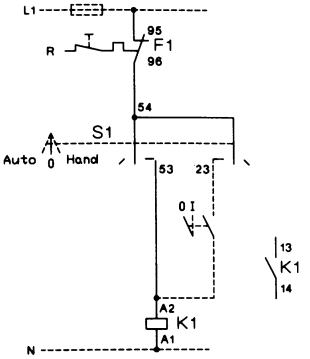
Single Phase Motors



Control circuit

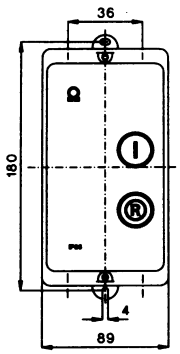
P1M T09 P1M T16 P1M W09 P1M W16



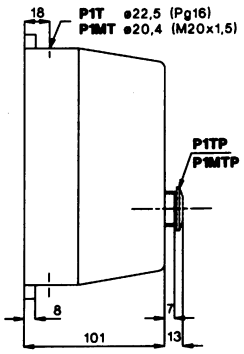


Dimensions (mm)

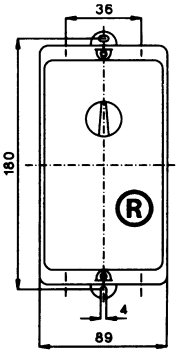
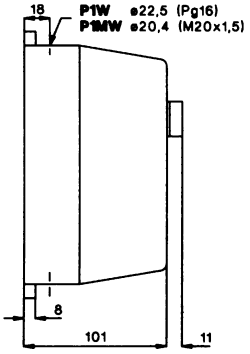
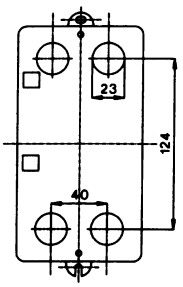
P1M T09



P1M T16



P1M W09



P1M W16