



**2 Pole**



**4 Pole**

## **MAGNUM CONTACTOR – MaCH**

### **SALIENT FEATURES**

Superior grade of contactor housing (Bakelite) to withstand high temperatures.

DMC molded coil, specially made to withstand extra heat and perform consistently.

Exposed metal parts are treated to prevent corrosion.

Silver & Copper Alloy Contacts for best electrical conductivity.

Hum-Free.

Easy & quick mounting.

Easily operable and lowest vibrations in its class.

High mechanical and electrical endurance.

Lowest watt loss.

M A G N U M M a C H CONTACTOR is a large relay, usually used to switch on/off current to an electric motor or any other high-power load. Its main purpose is to protect the high-power load (motor/pump) connected to it from over current damage.

### **APPLICATIONS**

Contactors are used for starting electric motors which are commonly fitted with overload protection to prevent damage to their loads, and are often used to provide central control of large lighting installations, such as an office building or retail building and also used for other electrical loads.

Contactors are used to control

- Electric motors
- Submersible pumps
- Lighting
- Heating
- Air conditioning applications
- Capacitor banks & other electrical loads.

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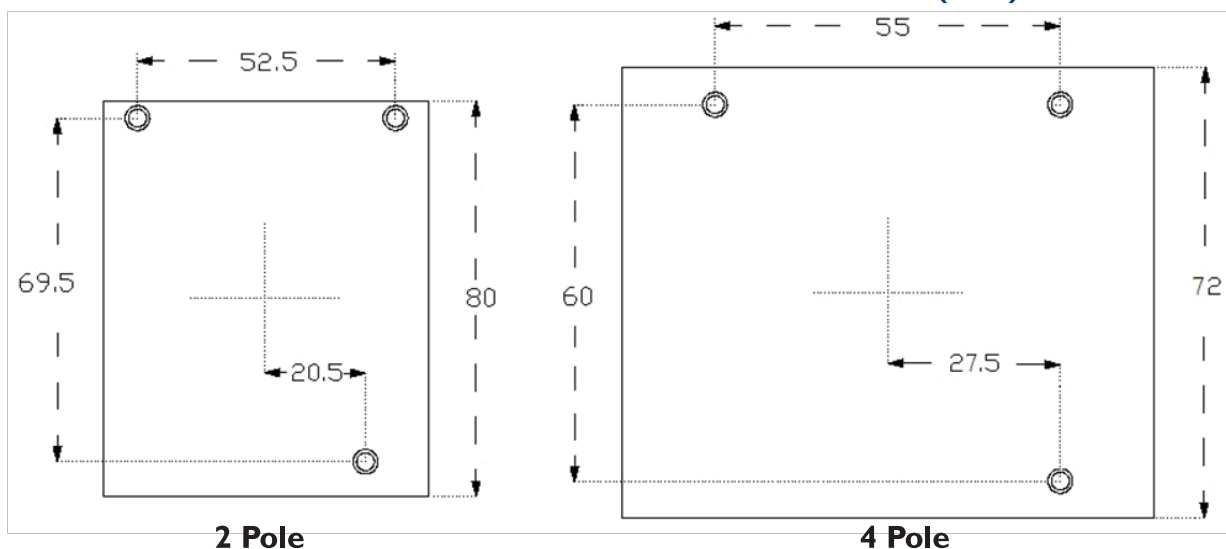
## FUNCTIONS

- It allows load current switch to turn on or off high current equipments.
- Contactors are electromechanical control switches used to control single or multi phase power load while the control itself can be low power.
- The main function is to make or break the circuit on receiving a command.
- Can perform millions of operations.

## TECHNICAL SPECIFICATIONS

- |                                       |  |
|---------------------------------------|--|
| • No. of Power Poles                  | : 2/4  |
| • Area                                | : 83×65×87 / 83×85×83mm                      |
| • Weight                              | : 550/650 Gms                                |
| • Rated Operational Voltage           | : 240/415V, 50Hz                             |
| • Insulation Voltage Ac (Ui)          | : 660V                                       |
| • Ambient Temperature                 | : -25°C to 55°C                              |
| • Terminal Capacity                   | : 1×16mm <sup>2</sup> or 2×10mm <sup>2</sup> |
| • Auxiliary Contact Configuration     | : 1NO + 1NC or 2NO + 2NC                     |
| • Auxiliary Contact Terminal Capacity | : 2.5 mm <sup>2</sup>                        |
| • Thermal Rating of Auxiliary Contact | : 6A   |

## DIMENSIONS TO MOUNT THE CONTACTOR (mm)



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## SELECTION & ORDERING INFO

Sl. No.	Pole	Catalogue No.		Contact Specification (A)
		For 220V	For 415 V	
1	2	AM5	AM34	16A
2	2	AM7	AM35	25A
3	2	AM37	AM38	40A
4	4	AM40	AM41	16A
5	4	AM43	AM44	25A
6	4	AM46	AM47	40A

## SPARES PARTS FOR MACH CONTACTORS



Contact kits



Coils



Housing



Auxiliary Blocks

# MAGNUM<sup>®</sup>

## SWITCHGEAR

More Power, Better Controls.

MAGNUM PRODUCT RANGE

### A. Major Product Lines

- Submersible Pump Panels – DOL, Manual & Star-Delta
- Starters – DOL & Star-Delta
- GSM Auto Switch
- Open Well Pump Panels
- Metering Panels – Standard & Deluxe

### B. Sub - Assemblies

- AC Contactors
- Over Load Relays
- Preventers & Auto-Starts

### C. Spares

- Contactor Housings
- Indicator Lamps / LED's
- Analogue & Digital Meters
- Run & Start Capacitors
- Coils
- Push Buttons
- Connectors
- Rotary Switches
- Motor Starter Spares
- Spare Part Kits



Single Phase Panels



AC Contactors



Star Delta Starters



3 Phase Panels