P25 series

Definite Purpose Magnetic Contactor
25 Ampere Full Load
30 Ampere Resistive
AC & DC Coils

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

Contact Data @ 25°C

Arrangements: Up to 3 Form X (3PST-NO-DM).

Ratings: See contact rating table.

Material: Silver-cadmium oxide.

Expected Life: 200,000 operations at full load.

AC coil: 2 million operations, mechanical.

DC coil: 5 million operations, mechanical.

Minimum Contact Load: 3A @ 120VAC.

Initial Dielectric Strength

Initial Breakdown Voltage: 2,200Vrms. minimum between all elements and between all elements and ground.

Coil Data @ 25°C

Voltage: From 6 to 240VDC and 24 to 600VAC, 50/60 Hz.

Power: DC, 4-8W; AC, 40VA inrush; 10VA, sealed.

Duty Cycle: Continuous.

Insulation Class: Class A, standard. Class B available.

Initial Insulation Resistance: 100 megohms, minimum.

Contact Data @ 25°C

Arrangements: Up to 3 Form X (3PST-NO-DM).

Ratings: See contact rating table.

Material: Silver-cadmium oxide.

Expected Life: 200,000 operations at full load.

AC coil: 2 million operations, mechanical.

DC coil: 5 million operations, mechanical.

Minimum Contact Load: 3A @ 120VAC.

Initial Dielectric Strength

Initial Breakdown Voltage: 2,200Vrms. minimum between all elements and between all elements and ground.

Coil Data @ 25°C

Voltage: From 6 to 240VDC and 24 to 600VAC, 50/60 Hz.

Power: DC, 4-8W; AC, 40VA inrush; 10VA, sealed.

Duty Cycle: Continuous.

Insulation Class: Class A, standard. Class B available.

Initial Insulation Resistance: 100 megohms, minimum.
## Ordering Information

<table>
<thead>
<tr>
<th>Typical Part No.</th>
<th>P25</th>
<th>P</th>
<th>42</th>
<th>A</th>
<th>1</th>
<th>4</th>
<th>P</th>
<th>1</th>
<th>-240</th>
</tr>
</thead>
</table>

1. **Type:**  
   P25 Defined Purpose Contactor

2. **Auxiliary Switch:**  
P = No Aux Switch  
C = 1 Form C (SPDT), silver contacts  
F = 2 Form C (DPDT), silver contacts  
Double pole contact forms require two switches.

3. **Main Contact Arrangement:**  
   42 = 3 Form X (3PST-NO-DM)  
   43 = 2 Form X (DPST-NO-DM) & 1 Form Y (SPST-NC-DB)  
   Other contact arrangements are available.

4. **Coil Control Input:**  
   A = Alternating Current, 50/60 Hz.  
   D = Direct Current

5. **Mounting and Installed Accessories:**  
   1 = Without Mounting Plate*  
   2 = With Mounting Plate  
   * Order separately any mounting hardware which is to be bulk packed.

6. **Main Contact Terminals:**  
   2 = 8-32 Screw Terminals  
   3 = Dual .250" (6.35mm) Quick Connect  
   5 = 8-32 Screw with Captive Pressure Plate

7. **Auxiliary Contact Terminals:**  
   P = No Auxiliary Switch  
   C = .187" (4.75mm) Quick Connect

8. **Coil Terminals:**  
   1 = Combination 8-32 Screw Terminal and .250" (6.35mm) Quick Connect  
   6-32 Screw Terminal available on DC Coils only.

9. **Coil Voltage:**  
   24, 120 or 240VAC  
   12 or 24VDC  
   See Coil Data table.

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Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.  
P25P42A12P1-120  
P25P42A12P1-240  
P25P42A22P1-120  
P25P42A22P1-240  
P25P42D22P1-12  
P25P42D22P1-24
### Outline Dimensions

#### P25 With AC Coil

- **4.050 MAX** (102.97)
- **218 ± .01** (5.54 ± .25)

#### P25 With DC Coil

- **4.050 MAX** (102.97)
- **218 ± .01** (5.54 ± .25)

#### Mounting Plate Footprint

![Mounting Plate Footprint Diagram]

### Contact Terminal Options

#### Code 2

- #8-32 UNF-2A X .375" (9.525mm)
  - Binder Terminal Screw: 15S334

#### Code 3

- #8-32 UNF-2A X .500" (12.7mm)
  - Screw With Captive Pressure Plate: 15S354

#### Code 4

- Box Lug Connector: 26A866

#### Code 5

- #8-32 UNF-2A X .500" (12.7mm)
  - Screw With Captive Pressure Plate: 15S364

### Replacement Parts and Accessories

#### Contact Replacement Kit - 9P25X1

Contact replacement kit includes 3 contact pressure springs, 3 movable contact assemblies and 6 stationary contact assemblies. Contact replacement kits are for use only on those models with form X contact arrangements.

#### Mounting Plate Kit - 9P25X2

Mounting plate kit includes one mounting plate (37B918) and two mounting screws (15J011).

#### Auxiliary Switch Kit for P25 AC Coil Units - 9P25X3

This auxiliary switch kit includes one plastic actuator and one auxiliary switch assembly. It contains no screw. One assembly screw must be removed from the P25 contactor and used to mount the auxiliary switch.

#### Auxiliary Switch Kit for P25 DC Coil Units - 9P25X4

This auxiliary switch kit includes one plastic actuator, one auxiliary switch assembly and one thread cutting screw.