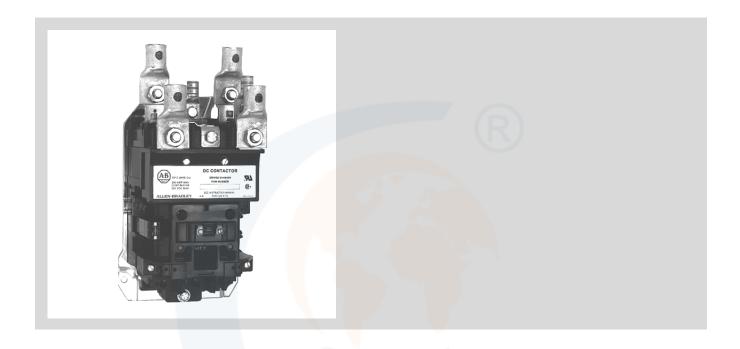


# DC Loop Contactors, Contactor Lugs and Dynamic Brakes

Catalog Numbers 1370









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#### **Additional Resources**

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
1370 DC Loop Contactor and Lug Kit Installation Instructions, publication <u>1370-IN011</u>	Provides installation, connection and maintenance information for 1370 DC Loop Contactors.
1370 Dynamic Brake Installation Instructions, publication 1370-IN017	Provides instructions for installing 1370 dynamic brake resistors.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, <a href="http://www.ab.com">http://www.ab.com</a>	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <a href="http://www.rockwellautomation.com/literature/">http://www.rockwellautomation.com/literature/</a>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation sales representative.

### 1370 DC Loop Contactors

The Bulletin 1370 DC Contactors are electromagnetically held contactors specially designed to switch the armature current from the DC drive module to a shunt wound DC motor. When used with the appropriate control logic design, these contactors can disconnect the motor armature from the DC drive module when a stop is initiated or in the event of a power failure.

Bulletin 1370 DC Contactors have the following features:

- The contactors feature a top-wired design with all power connections at the top of the contactor.
- Contacts The double break silver cadmium oxide contacts are weld resistant for improved reliability. Movable contacts are wedge shaped, while the stationary contacts have a unique "fold back" design. On contact opening, this "fold back" design generates a strong magnetic field which quickly throws the arc off the contact surface. The arc is then cooled and extinguished by the surface of the arc chamber.
- Coil The contactor coils are hot pressure molded in thermoset epoxy to protect against mechanical damage and harmful environments. The coil shunt plate is designed to retard the magnetic flux until the voltage applied reaches the "pick up" voltage. Each coil is provided with an exclusive thermal cutout which is designed to open on excessive currents or misapplied voltages.
- Magnet The high efficiency magnet has a permanent air gap. Pole face wear cannot affect the air gap and cause magnetic sticking due to residual magnetism. Each magnet lamination is phosphate coated to provide ample resistance to corrosion.

#### **Catalog Number Explanation**

a		
Product		
Code	Туре	
1370	DC Component	

D		
Туре		
Description		
Non-Reversing w/DB		

C Device		
С	DC Loop Contactor	

d		
Current Rating		
Code	Amps	
56	56	
110	110	
180	180	
280	280	