



CATÁLOGO DE PRODUCTOS 2018







---

# Company Profile

Founder and President Mr. Laurent Leblanc founded DLL in 1995.

Formerly a distributor, DLL is now specialist in the designing and manufacturing of electronical, electromechanical and mechanical parts such as contactors, relays, switches, voltage regulators, panels, electrical cabinets and more.

Several key ideas have inspired the creation of DLL and continue to drive its development. They are the basis of our strengths and propel our evolution.

Over the years, DLL has been driven by the aspiration and ambitions of the hardworking man and women who have helped build our success. Today, we are extremely proud to have loyal customers that we serve with passion and competence.

With an emphasis on customer service, our innovative efforts allow us to continue offering quality products at a competitive price and lead time.

To meet our client ever changing needs, DLL manufactured obsolete and newly engineered replacement parts, utilizing the latest standards of manufacturing methods to provide continued support for custom products and those no longer supported in the market.

All parts are manufactured by DLL consistent with OEM standards.

**From past to future, DLL is the solution.**

---

## A word from the Board of Directors

For 20 years, DLL has always had your satisfaction at heart.

Our team has acquired and developed the skills to allow you to achieve your goals. Whether it is to recreate, improve or develop parts, we will work hand in hand with you.

Today we continue to put our knowledge and experiences at your service in order to become a leader and a valued partner in the railroad, transit and mining industries.

What makes us different is our flexibility. We know that each of you have unique needs that require suitable products and services of which we are there to deliver.

Our strength as a vendor is our ability to work with you, but also with our subcontractors in order to provide the right products at the right price and at the right time.

Our team is the backbone of our success, as they are always willing to go the extra mile and think outside the box. For DLL, this is a pledge of continuous improvement everyday.

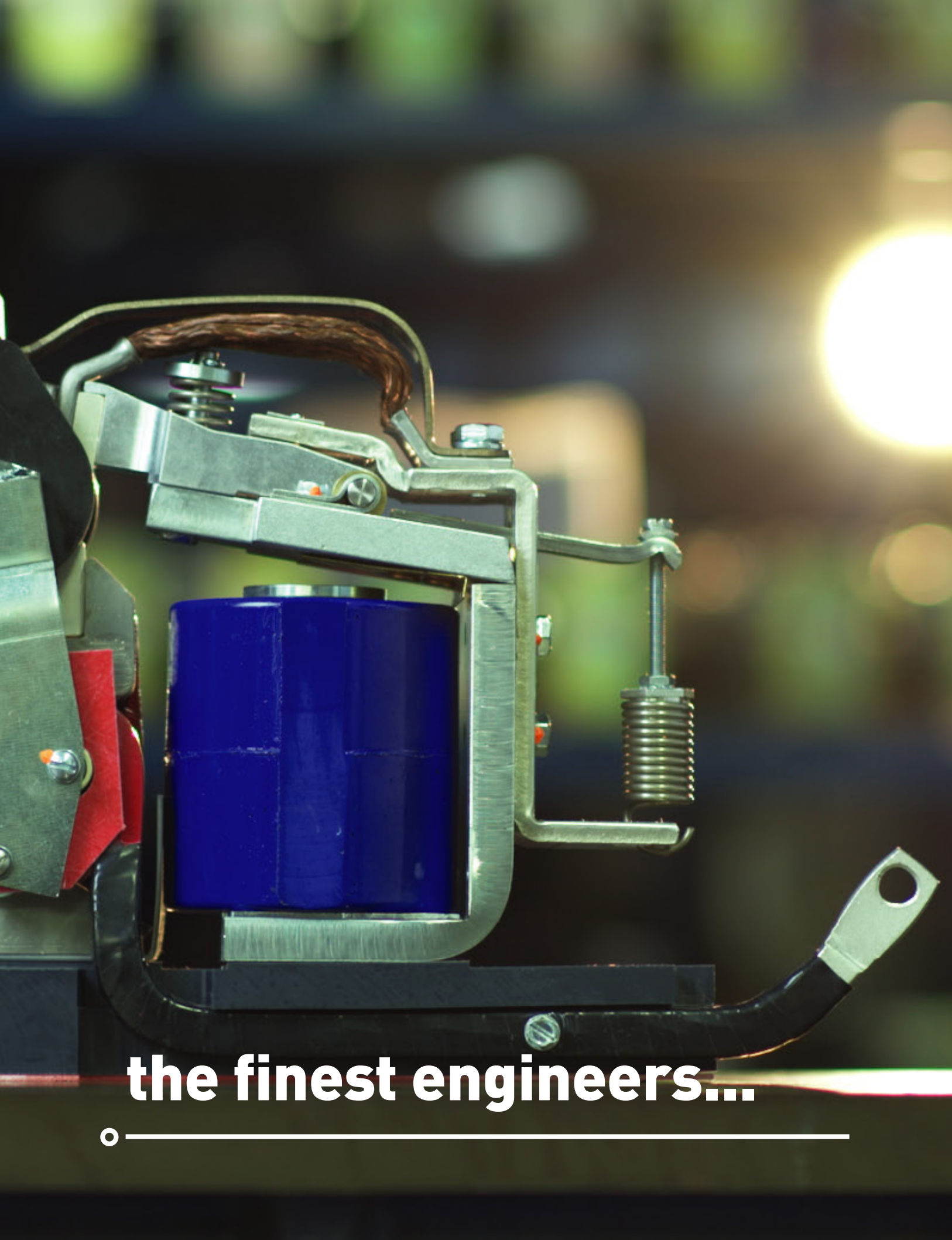
We are committed in supporting your needs, helping you with projects and challenges that may arise.

**We want to become and remain part of your success.**

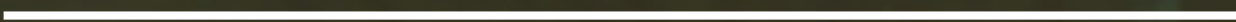
---

**It takes...**





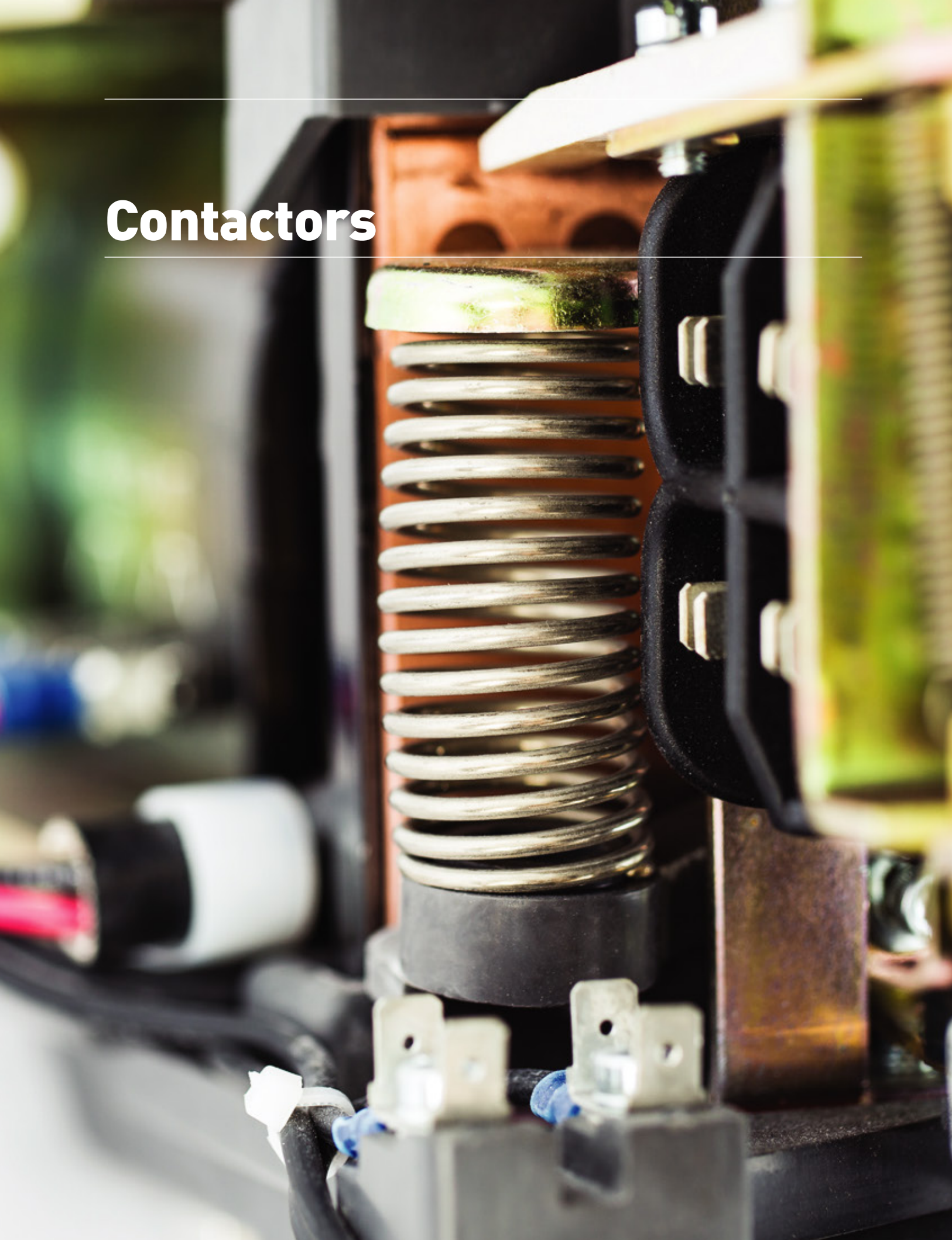
**the finest engineers...**

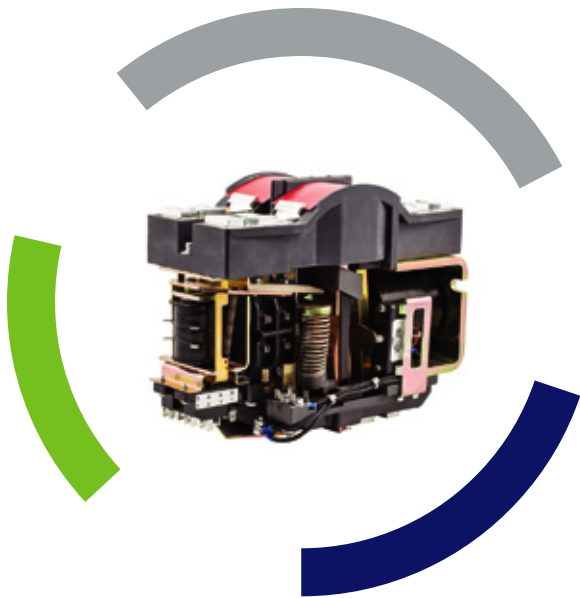
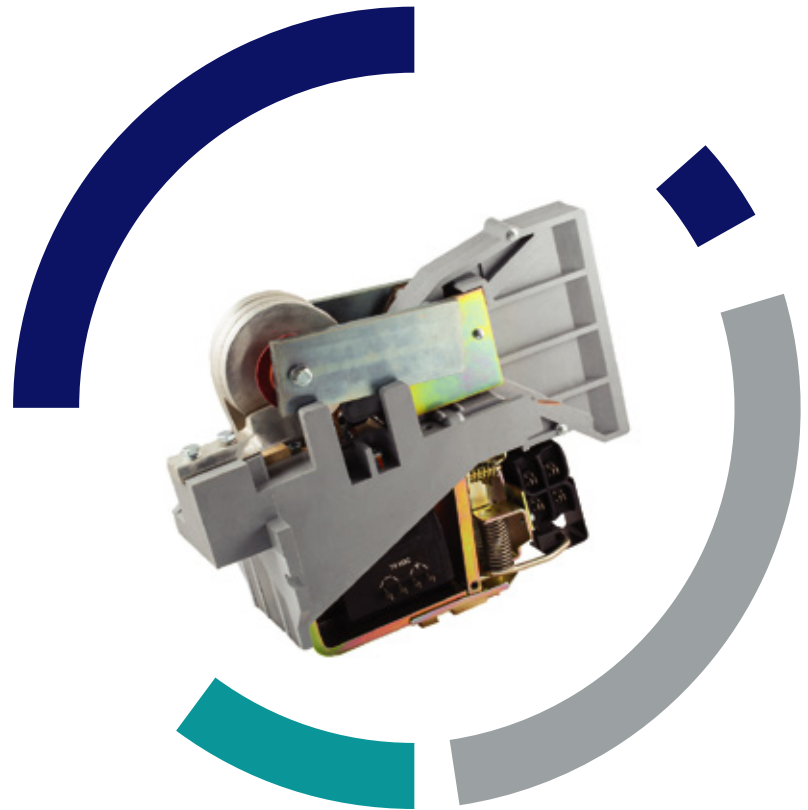


---

# Contactors

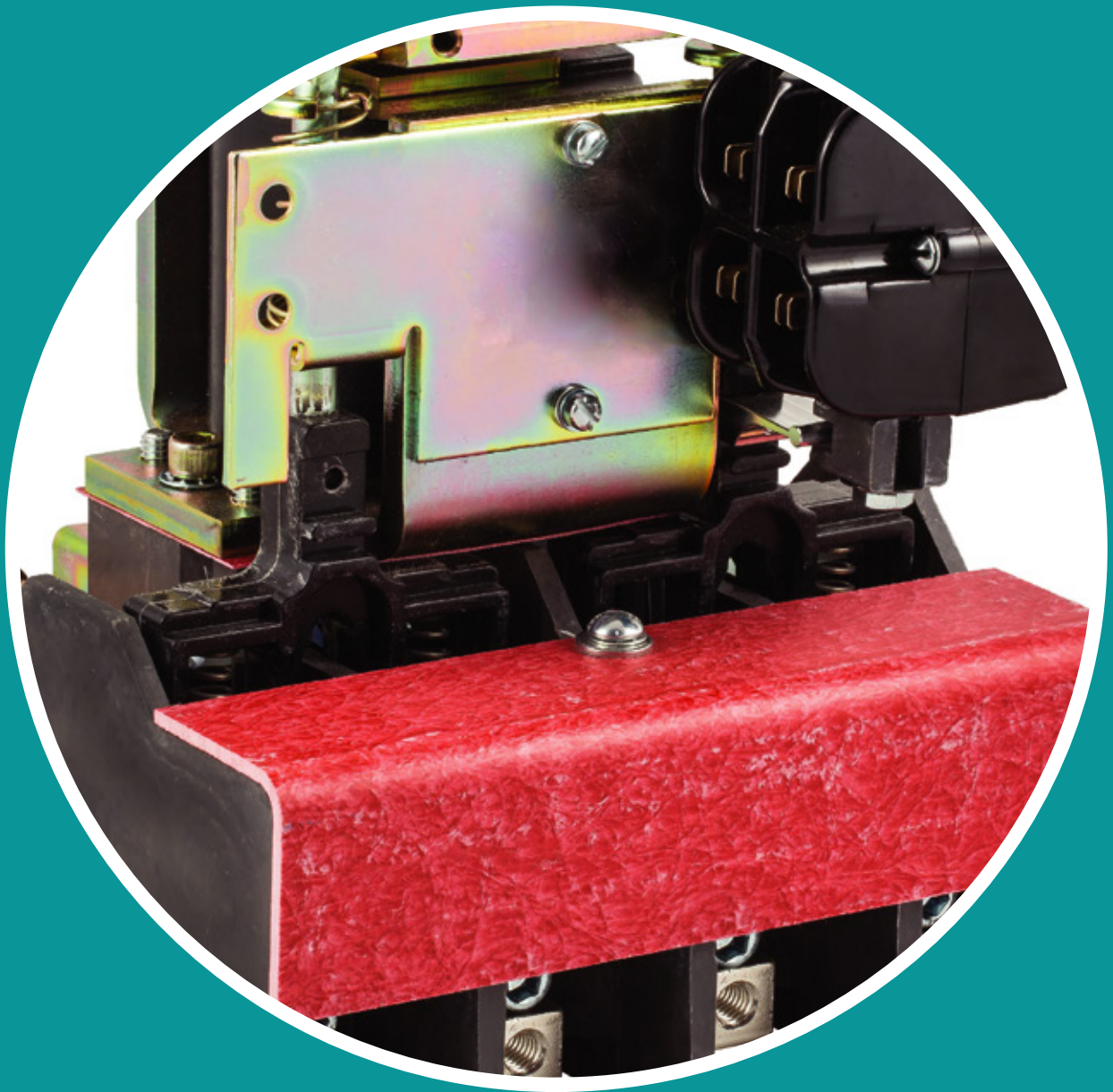
---



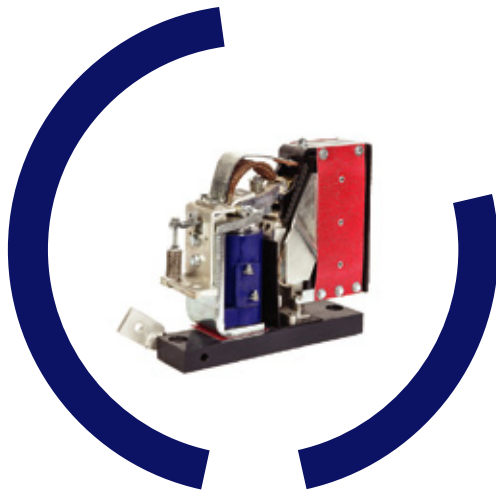
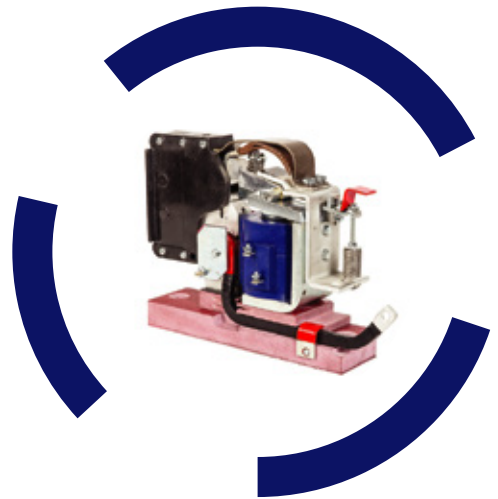
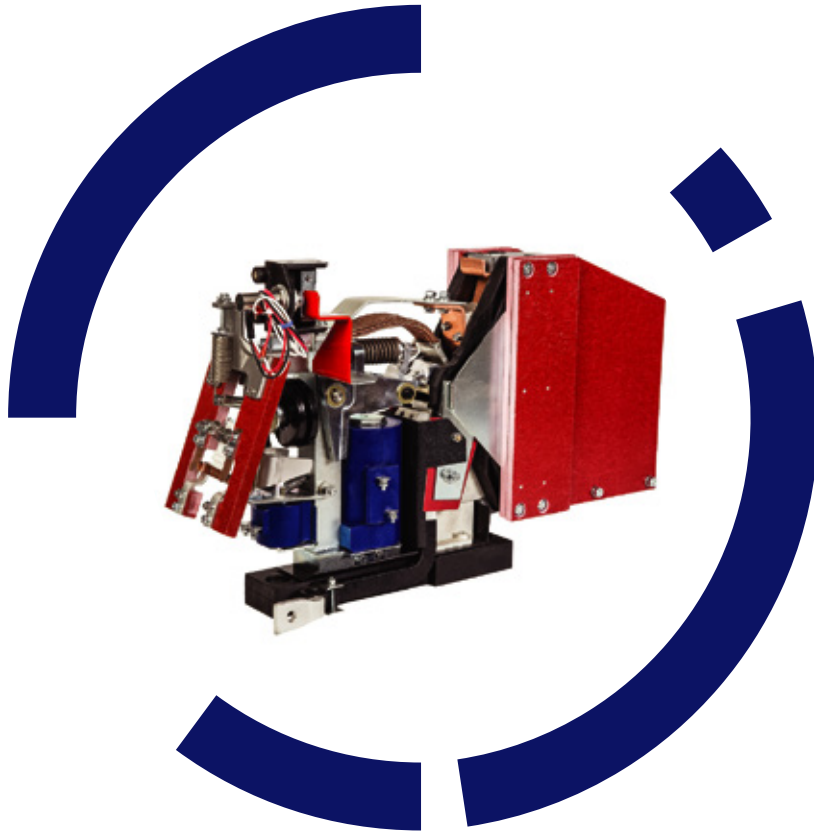


---

It takes...







cutting-edge technology...

---

---

# DC contactor

## 700A, 1500V

---

**Main Pole Configuration:**

Three pole normally open main contact

**Rated voltage:**

1500V

**Contacting Rating:**

Continuous Current = 700 amps @ 40°C Ambient

Non-Interrupting Switch

Thru Current Capability = 15 000 amps

**Auxiliary Contact Rating:**

Resistance Load

125V DC or less, 10 amps

250V DC, 2,5 amps

**Operating Coils:**

74 VDC, 125 Ohms

**Mounting:**

Mounts on 3 in. wide channel support

with two 3/8 in. screws

**Power Connections:**

Top and bottom of switch

Two 3/8 in.-16 tapped holes per terminal

**Coil Connections:**

Four 1/4 in. fastons

Two tabs each side of line

**Weight:**

24.25lbs (11 kg)

Minimum pick-up voltage cold:

60 % of rated coil (20°C)

Minimum pick-up voltage hot:

80 % of rated coil (140°C)

Drop out voltage:

5 % to 25 % of rated coil

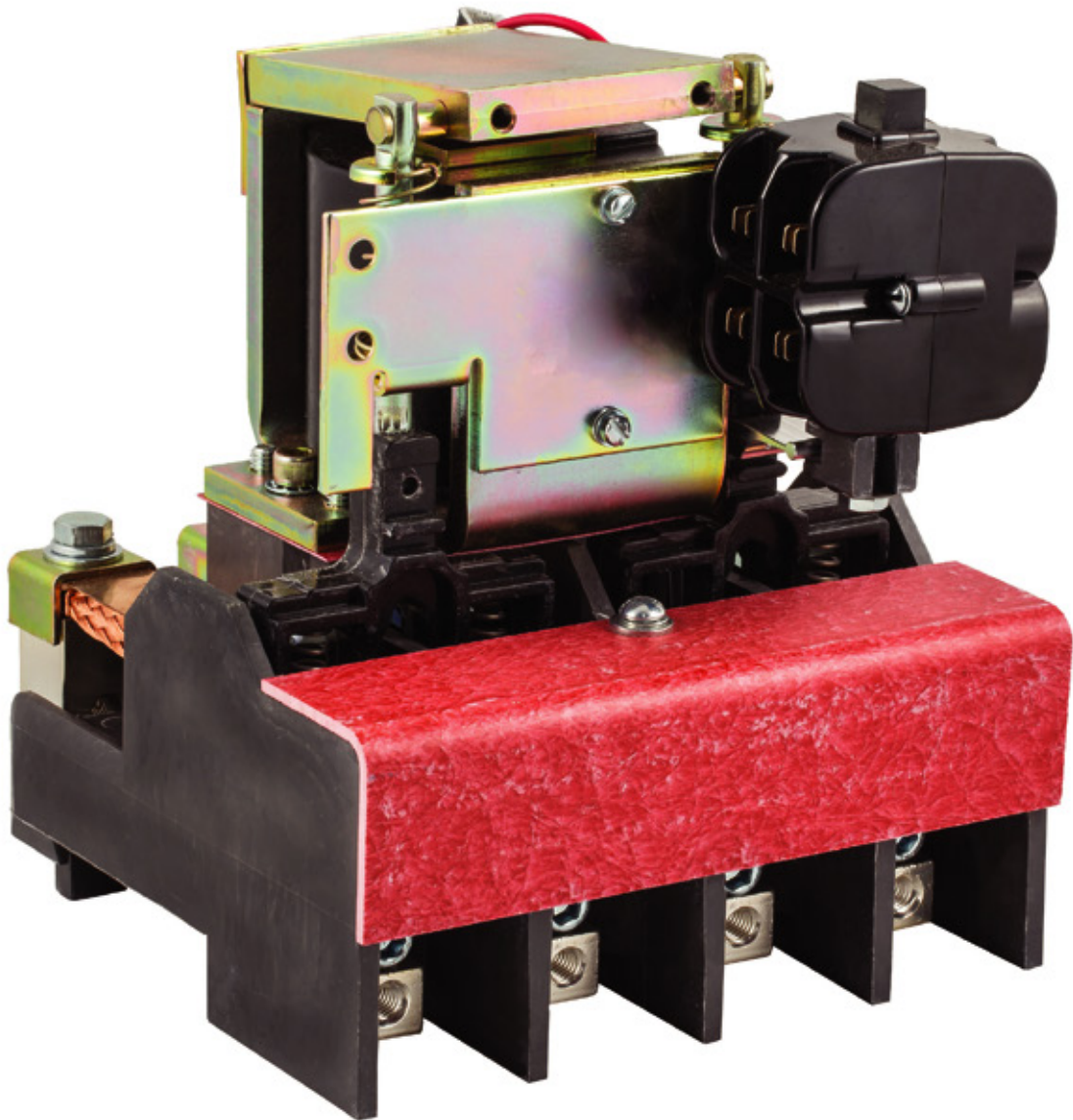
**HI-POT**

Magnet coil to mounting:  
Magnet coil to main contact:  
Main contact to mounting:  
Main contact to Interlock contact:  
Between open main contacts:  
Interlock contact to mounting:

**60 Hz, 1 minute**

600V RMS

2400V RMS



---

## INTERACTIVE EXPERIENCE

- 1 Download the app by tapping this link in your mobile browser : <http://releases.merchlar.com/ardllinc/1.0>
  - 2 Once the application is installed in your device - optimized for iPad Air 2 - launch the Augmented Reality lens and scan this product.
  - 3 Enjoy the show!
-

---

# Product Cycle Process

---

## DEVELOPMENT



### PROJECT APPROVAL

- Price analysis
- Market analysis
- Specification commitment



### ENGINEERING

- Design documentation
- Supplier definition
- Price and delay commitment



### DESIGN COMPLETION

- Prototype validation
- Design review
- Final documentation

RELEASE



## INDUSTRIALISATION

Pre-Serie sample validation  
Change request  
Quality improvement



## MASS PRODUCTION

Product maintenance  
Customer service



---

# DC contactor

## 1600A, 1500V

---

**Main Pole Configuration:**

Two pole Double Throw (DPDT)

**Rated voltage:**

1500V

**Main Contact Rating:**

Continuous open air rating 1600 amps @ 40°C Ambient

Maximum voltage = 1500 Volts DC

Maximum interrupting capacity = 100A

Thru-Current Capability = 30 000 amps

**MCO Switch Rating:**

1 N.O. and 1 N.C.

15 Amps, 600 VAC, resistive

0.4 Amps, 115 VDC, inductive

0.2, 230 VDC, inductive

Same Polarity

**MCO Operating coil:**

74 VDC, 190 Ohms

**Mounting:**

Mounts on 3 in. wide channel support with two 3/8 in. screws

**Power Connections:**

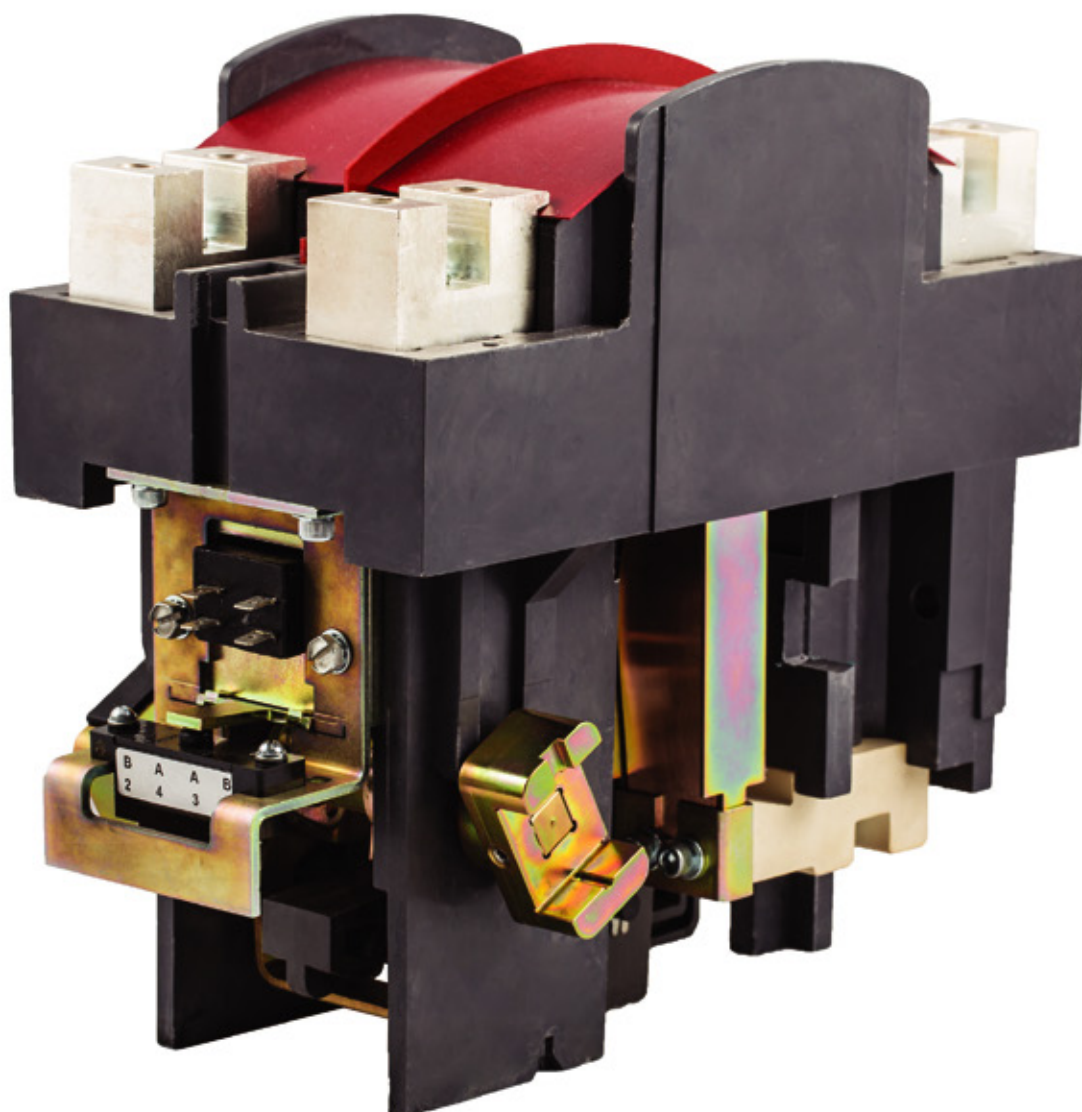
Top and bottom of switch Module

Two 3/8 in.-16 tapped holes per terminal

**Weight:**

28lbs (13 kg)

Minimum pick-up voltage cold:	60 % of rated coil (20°C)
Minimum pick-up voltage hot:	80 % of rated coil (140°C)
Drop out voltage:	5 % to 25 % of rated coil
<b>HI-POT</b>	
Magnet coil to mounting:	60 Hz, 1 minute
Magnet coil to main contact:	600V RMS
Main contact to mounting:	2400V RMS
Main contact to Interlock contact:	
Between open main contacts:	
Interlock contact to mounting:	



---

## INTERACTIVE EXPERIENCE

- 1) Download the app by tapping this link in your mobile browser : <http://releases.merchlar.com/ardlinc/1.0>
  - 2) Once the application is installed in your device - optimized for iPad Air 2 - launch the Augmented Reality lens and scan this product.
  - 3) Enjoy the show!
-

---

It takes...







**professionnalism  
& flexibility...**



To create  
long lasting parts...



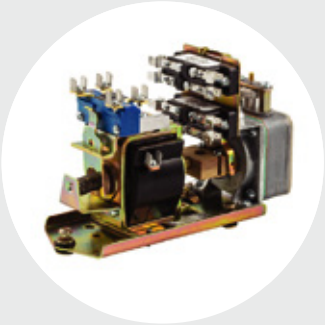


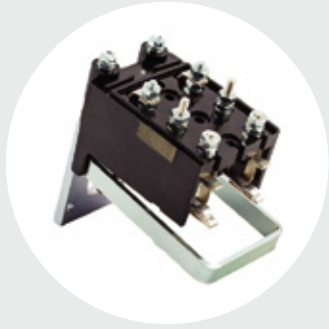
that meet OEM  
specifications...

---

---

# To adapt...






to your specific needs...

---

---

**To deliver  
low-cost solution...**





always with the best  
lead time...



---

# International

---



---

...to support you

---



---

presence

---



---

worldwide...

---

---

# To become your preferred supplier of electrical & electromechanical components.



The Canadian Association of Railway Suppliers  Association Canadienne des Fournisseurs de Chemins de Fer



**Intertek**<sup>TM</sup>





Part  
of your  
success

---

**DLL Inc.**

---

370 Saint-Louis Street

---

Saint-Jean-sur-Richelieu, QC J3B 1Y4

---

T 450-346-7044 - F 450-346-0643

---

[dllinc.com](http://dllinc.com)

---