Electro pneumatic Contactor is a double pole heavy duty contactor designed to be used on traction vehicles. In order to work efficiently both with high and low circuit in AC and DC circuits, the contactors are equipped with arc blow-out circuit. Additionally, the exhaust air blast is utilized for extinguishing the arc.

Technical Features
- Used for Higher voltage upto 3000V and 600A AC/DC application. Having double pole normally open contacts.
- Compact and Space saving wall mounting.
- Low Maintenance and Reliable operations under extreme condition.
- Contact movement designed for self-cleaning action.
- Contacts are easily inspected and replaced.
- Independent of polarity.
- Arc Extinguisher helps to break down the arc voltage and to cool the arc effectively.
- Operating Coil designed for voltage tolerance of -30% to +25%.
- All non metallic components are of fire retardant self-extinguishing materials.
- Option of upto 8 (NO or NC) auxiliary contacts, customization possible.
- Sturdy structure and a long mechanical life (over 10 million operations).
- Supplementary air blast ensures short switching times throughout the entire range.

Main Circuit
- Number of poles, type of contact: Two, normally open mechanically coupled
- Rated voltage $U_0$: Both poles in series 3000V
- Max. service voltage: 3600V
- Frequency: 50Hz
- Rated current: 600A
- One hour current: 630A
- Short time current, 5 minute: 800A
- Peak breaking current: 2400A
- Peak breaking current at 1.2 $U_0$ (L/R = 15ms): 2400A
- Closing time: Approx. 100ms
- Interrupting / Break time: Approx. 75ms
- Weight: 20.5 kg (Approx.)
- Mounting: Contactor to be fitted only with arc chute on top
- Mechanical operation switching rate: 2 operations per sec.
- Mechanical life: 10 million operations
- Operating Temperature: -40°C to +70°C
- Standards: IEC 77, IEC158-1, IS11731(Part 1 & 2)

Control Circuit
- Mechanism Construction: Electro-pneumatic with return springs
- Operating pressure: 0.4 to 1.0 MPa
- Rated control voltage $U_c$: 110V DC
- Service voltage: 0.7 to 1.25 $U_0$
- Power consumption at nominal control voltage: 8~20W (approx.)

Auxiliary Contacts
- Nature of contacts: 8 (4NO & 4NC) can be customized
- Rated voltage: 220V
- Rated current: 20A
- Max. closing current: 50A

Application:
Used for traction vehicle equipments like Contacto Filter On/Off, Contactor filter Adaption, auxiliary equipments, traction converters, etc.