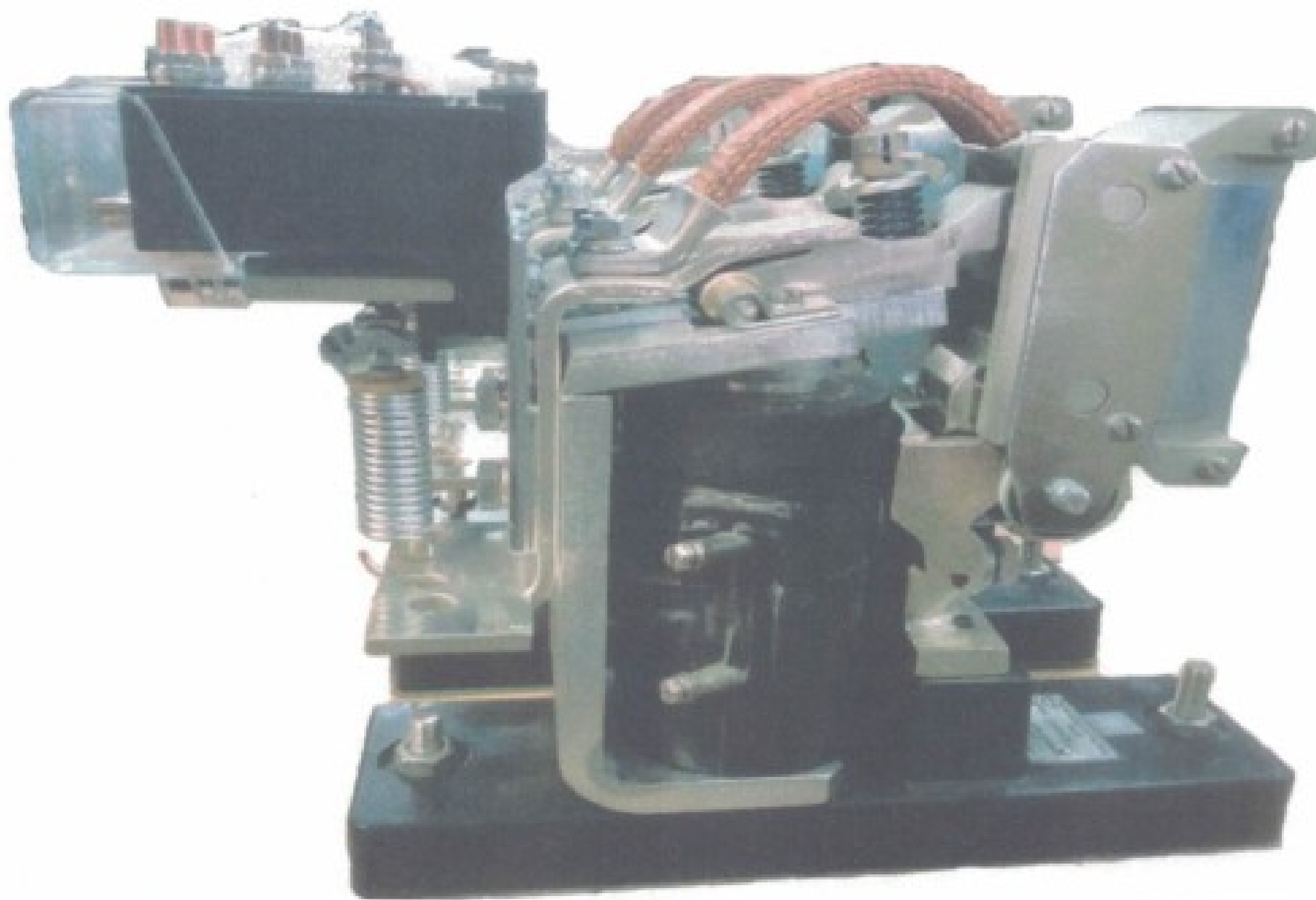


## **ELECTRO MAGNETIC CONTACTORS**

- 1. FIELD SHUNTING CONTACTOR**
- 2. CRANKING CONTACTOR**
- 3. GENRATOR FIELD CONTACTOR**
- 4. FUEL PUMP**
- 5. CRANKING CONTROL CONTACTOR**
- 6. RADIATOR FAN CONTACTOR**

### **INTRODUCTION**

These contactors are magnetically operated device used for opening and closing electrical circuits. The contactor is equipped with a movable and a fixed contact. The movable contact is mounted on a contact carrier which is hinged to the armature. The armature is attracted when the operating coil is energized. Removing control supply from the operating coil permits the spring loaded armature to return to its original position and break the electrical circuits. An arc box is provided for confining and extinguishing the arc.+



**ELECTRO MAGNETIC FIELD SHUNTING CONTACTOR**

## **RATING AND DATA**

Description : Electro-Magnetic Field Shunting Contactor

RDSO Spec. No. MP.0.04.00.08 Rev-02 Aug 2018

RDSO Drg. No. SKDP No. 4140

DLW Drg. No. EL/PT/0614 & Part No. 12140491

NEE Drg. No. 4-05815030004-GA (Rev-00)

Contact Material : Cu (IS:613-2000) and Ag (99.9%)

Contact Gap : 12 to 14.5 mm

Contact Over Travel : 8 to 10 mm

Contact Pressure

Initial : 1.82 to 2.95 kg

Final : 5.45 to 7.25 kg

Resistance of operating coil at 20 °C : 119 to 139 ohms

Maximum pick up voltage : 48 VDC

### **Interlocks when fitted:**

Contact gap : 7.0 to 10.5 mm

Contact pressure : 170 to 240 gm

Interlocks GPR Type : 9-41N

Contact gap : 9.5 to 10.5 mm

Contact pressure : 220 to 300 gm

Contact arrangement : 3NO + 3NC

Weight : 10.0 kg

