Installation and commissioning are carried out in a few very easy steps:

1. Assemble the drive to the circuit breaker pole
2. Fill the oil reservoir
3. Proceed with electrical connexion of the equipment
4. Proceed with preliminary hydraulic operations
5. Pressurise the drive
6. Ready to operate

**MAIN FEATURES AND ADVANTAGES**

- Integration of all functions
- No external piping
- Electrical connections by "Harting" type plugs
- No maintenance, only checks
- Performance reliability, especially at low temperature
- 60 Hz/2 cycles compatible (short dead time, no inertia of storage module)
- Low weight, especially for high energy requirements.

**DESCRIPTION**

- 1 hydraulic actuator with integrated opening and closing damper
- 1 control block driven by 2 coils (one for opening / one for closing). Manual trip and close capability
- 1 or 2 EC approved hydropneumatic accumulators depending on operating sequences required
- 1 oil reservoir with fitter and level
- Pressure control unit including:
  - 1 high pressure pump unit powered by 1 universal motor,
  - 1 pressure switch,
  - and 1 safety valve.

**OPTIONS**

- Holding in position
- Automatic / Manual locking
- Two cycle compliance
- Auxiliary contacts
- Opening time adjustment
- Oil level alarm
- SF6 tightness
- Time measurement
- Position sensor
- Double trip closed coil

**INSTALLATION AND COMMISSIONING**
# CHARACTERISTICS

## OUTDOOR TYPE
- **Temperature range:** -40 to +60°C
- **Option:** -50°C
- **Protection:** IP 43

## COMMAND BLOCK
- **Voltage of coils:** 48 to 250 Vcc
- **Power consumption:** 300 W

## ACTUATOR
- **Stroke:** 100 to 200 mm
- **Energy at last opening:** Up to 10,000 J*
- **Opening speed:** up to 12 m/s
- **Opening time accuracy at nominal conditions:** ± 1 ms

## PRESSURE CONTROL UNIT
- **Motor voltage:** 110 or 220 VAC/DC
- **Pressure switch with 6 contacts:**
  - Motor control
  - Blocking of: O
  - Blocking of: CO
  - Blocking of: OCO
  - 2 available upon request
  - Sensibility range: 8 - 15 bar
- **Incorporated safety valve**

## RELIABILITY
- **Number of operations before inspection:** 10,000

## DIMENSIONS (depending on operating cycles and temperature)
- **Weight:** About 250 kg
- **Drive equipped with accumulators from 3L to 9L**

(*): 12,000 J on request