
**ETNA**  
INDUSTRIE

# UHT DRIVE

## MAIN FEATURES

The UHT drive enables the displacement of the circuit breaker contacts. This drive consists of 1 or 3 "GPO's" linked to 1 or 3 control panels depending on the drive type (single, three phases or linked poles).

## DESCRIPTION

### 1°/ GPO (Operational Power Group) :

- 1 command bloc allowing :
  - closing and holding in closed position
  - opening
- 1 actuator (drives the contacts)
- 1 hydraulic relay (flow rate amplification)
- 1 or 2 accumulators (energy storage)
- 1 main reservoir (oil storage)

### 2°/ Control panel :

- 1 motor pump unit (GMP)
- 1 pressure switch allowing :
  - control the GMP
  - lock out closing
  - lock out or automatic tripping.
- 1 safety valve CE

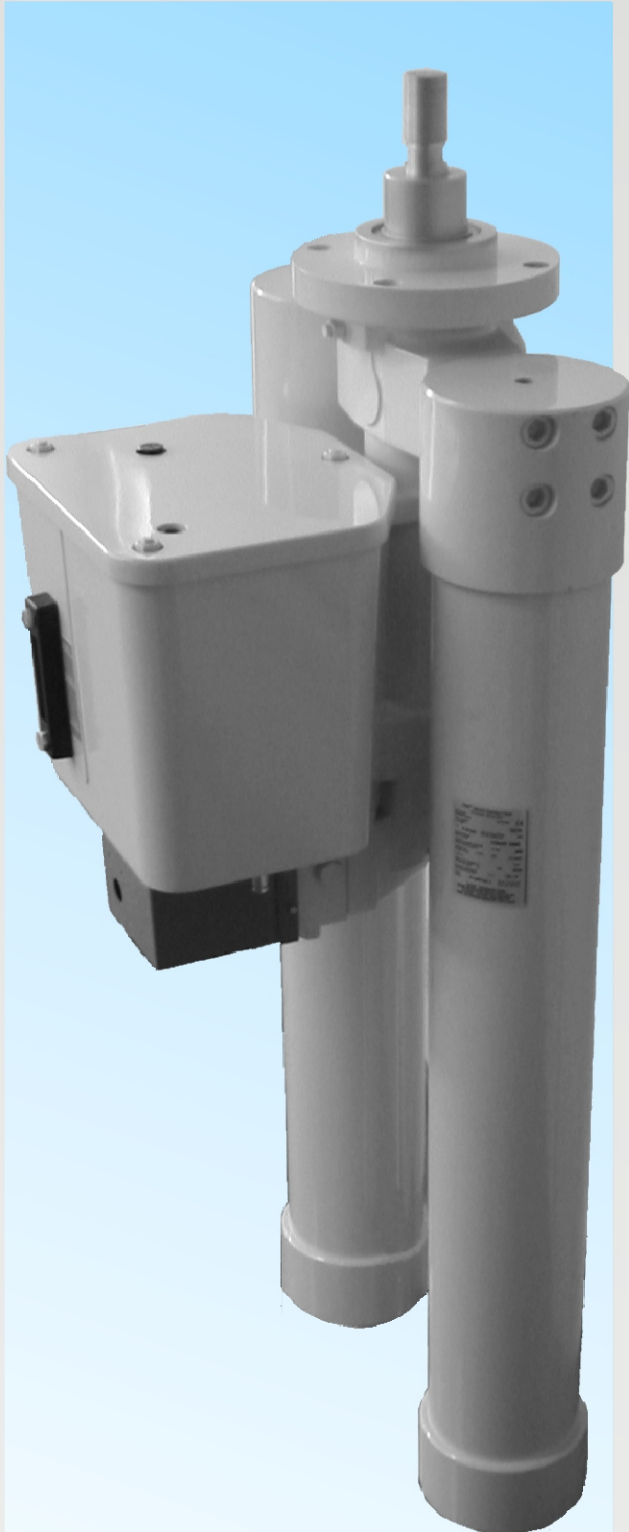
## OPTIONS

- |                                                     |                                           |
|-----------------------------------------------------|-------------------------------------------|
| <input type="checkbox"/> Holding in position        | <input type="checkbox"/> Oil level alarm  |
| <input type="checkbox"/> Automatic / Manual locking | <input type="checkbox"/> SF6 tightness    |
| <input type="checkbox"/> Two cycle compliance       | <input type="checkbox"/> Time measurement |
| <input type="checkbox"/> Auxiliary contacts         | <input type="checkbox"/> Position sensor  |
| <input type="checkbox"/> Opening time adjustment    | <input type="checkbox"/> Double trip coil |

## INSTALLATION and COMMISSIONING

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

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



## CHARACTERISTICS

### OUTDOOR TYPE

Temperature range : ..... -40 to +60 °C  
Option : ..... -50 °C  
Protection : ..... IP 43

### DIMENSIONS

Drive equipped with 2 x 12,8 l accumulators (HxLxW)..... 1455x560x500 mm  
Weight : ..... 300 kg

### COMMAND BLOCK

Voltage of coils : ..... 48 to 250 Vcc  
Dead time  
Closing (300W) : ..... 9 ms  
Opening (300W) : ..... 7 to 17 ms  
Fast tripping (option) : ..... 4,5 ms

### ACTUATOR

Stroke : ..... 100 to 250 mm  
Opening energy : ..... 3000 to 18000 J  
Opening speed : ..... up to 12 m/s  
Opening time accuracy at nominal conditions : .....  $\pm 1$  ms

### HYDROPNEUMATIQUE ACCUMULATORS

EC approval  
Maximum allowable pressure PS : ..... 400 bar  
Maximum volume : ..... 2x15 l

### MOTOR PUMP UNIT

Motor voltage : ..... 110 or 220 V<sub>AC/DC</sub>

### PRESSURE SWITCH

Number of contacts : ..... 6  
Contact setting range : ..... 180 to 370 bar  
Sensibility range : ..... 8 - 15 bar  
Incorporated safety valve  
Opening pressure : ..... 400 +0 / -3% bar

### RELIABILITY

Number of operations before inspection : ..... 10.000

*Do not hesitate to contact us*