

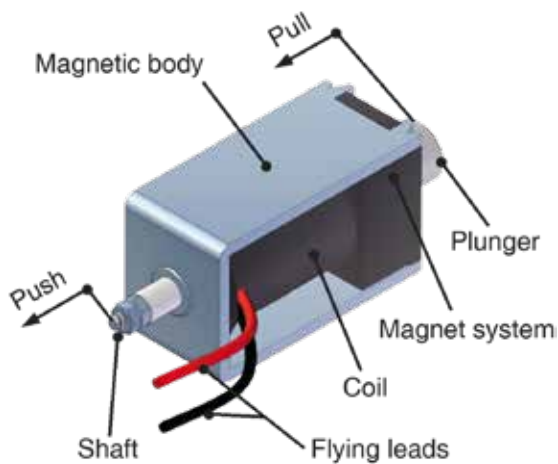
LPC

Low Power Coil for self-powered relays



LPC - Low power Coil

A bistable tripping coil designed to **guarantee operation** with IRS **self-powered relays**



Low power coils are a critical component in the tripping chain between a self-powered relay and the circuit breaker driving mechanism.

To guarantee the correct operation of the relay, ZIV offers a **bistable linear solenoid** which perfectly matches the energy output of the IRS self-powered relay. Its characteristics make this device perfect for the use in applications **where both unlocking and locking position are kept for a long time.**

Operation

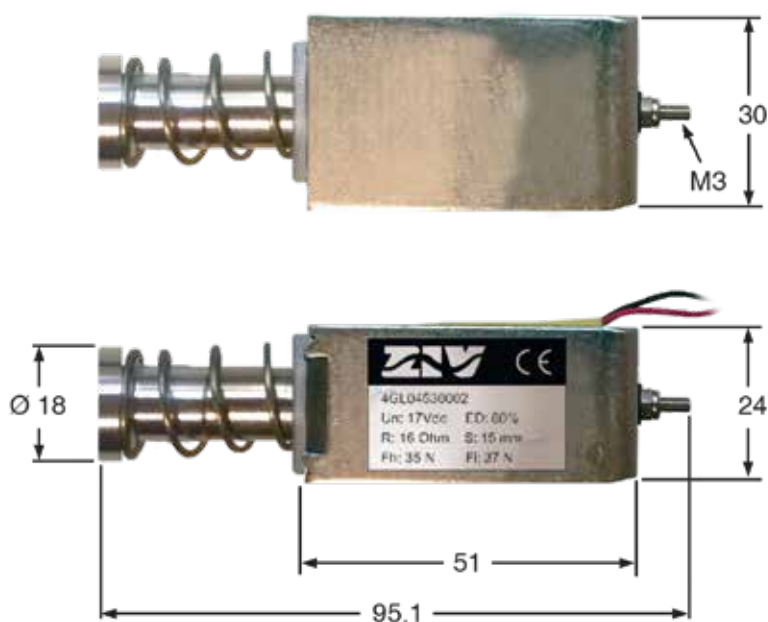
The coil receives the electric energy from the relay energy output and creates the magnetic field that moves the plunger, transforming electric energy into mechanical energy. Then the tripping mechanism of the circuit breaker is released opening the breaker.

The tripping coil is reset to its locked position by the external force applied by the driving mechanism when closing the circuit breaker.



Self powered relay





Key Features

- ✓ Metal part containing a coil, the core, a magnet system and the fixation holes.
- ✓ Tripping coil working in vertical upwards, vertical downwards and horizontal position

Technical Information

Nominal Voltage	17Vdc
Stroke	15 mm (+5/0)
Spring force start of travel	>37N, K=1.4N/mm
Hold force without voltage	>35N
Insulation class	Y (90°C)
Duty cycle at Un (ED)	80%
Resistance at 20°C	16 ohm
Protection degree	IP00

