

ELECTRONIC BRAKE “MICROBRAKE”



Features:

- Compact and powerful, available in different sizes for **voltages up to 600V a.c. and currents up to 160A.**
- **Fully compatible with the previous series PTRM 2/0** both as regards the wiring that as regards the fixing of the framework, but greatly improved.
- Very strong **full aluminum** frame with handy mounting fin and small DIN bar to fix the power terminals.
- Possibility to adjust the braking time and power through a **multi-turn trimmer** (20 laps).
- **Managed by a microcontroller** that ensures very accurate and consistent braking.
- **Maximum braking time customized** on request.
- Auxiliary power supply = **24, 115, 230 V a.c.**

The electronic brake "MICROBRAKE" is a device for controlling the current which, connected to a normal asynchronous motor, generates a constant magnetic field and causes the arrest.

The electronic braking, without mechanical clutch, provides smooth and always accurate and **does not require periodic recordings**.



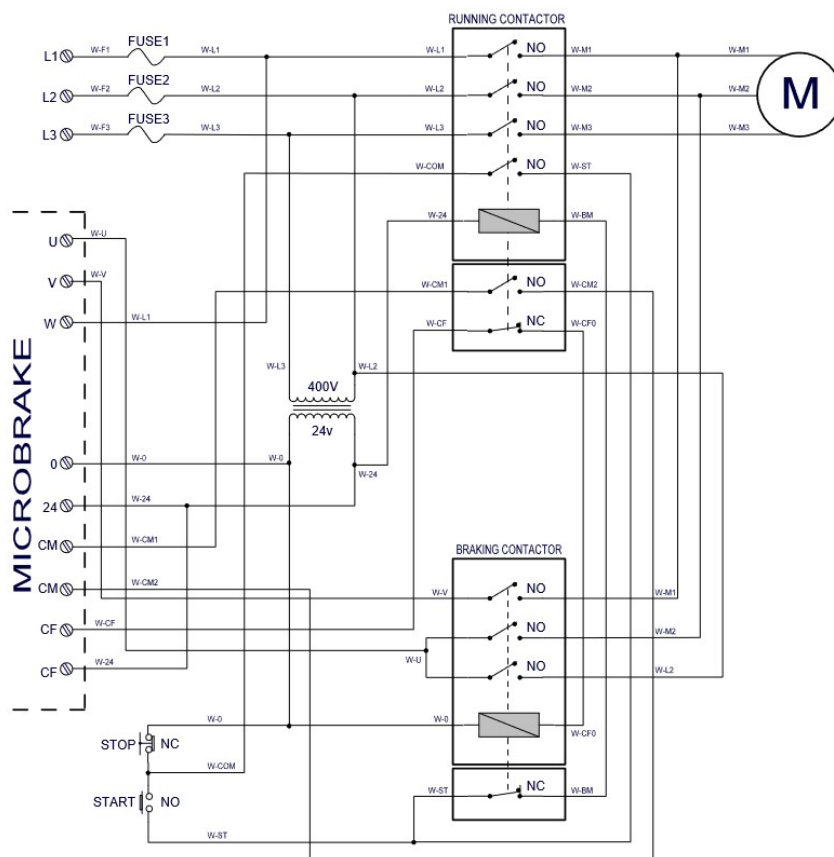
A single initial adjustment sets the required **current level** for the specific requirements and the **braking time** to allow for complete braking of the engine.

The brake "MICROBRAKE" is a summary of a long time experience in applying to a particular care in the form of a gradual deceleration and without recoil of magnetic nature.

The result is translated into rapid braking, but without damaging jolts to the mechanical transmission.

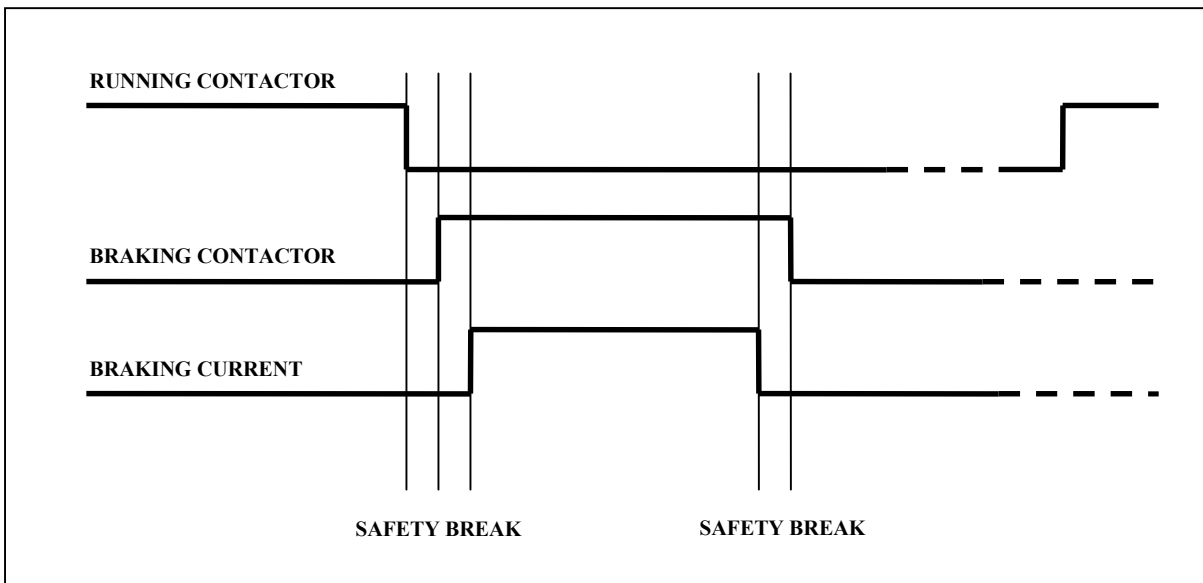
The calibration range of the current is very large and this makes brake "MICROBRAKE" irreplaceable in cases of critical deceleration which, unstable loads, high inertia, emergency stops and positioning.

The connection requires a braking contactor in addition to the run one. This contactor is not greatly concerned because the current is interrupted before the opening command from the brake itself.



Throughout the braking cycle is controlled automatically by the logic circuits of the brake. An auxiliary contact of the contactor of running starts the cycle that, respecting the safety rules needed, drives the brake contactor, generates the required current, and finally, after the set time, reset the running permission.

After stopping the engine remains free (without brakes).



The electronic brake "MICROBRAKE" is available in the following versions.

"MICROBRAKE 20A" (400V or 600V) for engines up to 5HP

"MICROBRAKE 35A" (400V or 600V) for engines up to 7.5 HP

"MICROBRAKE 60A" (400V or 600V) for engines up to 10HP

"MICROBRAKE 80A" (400V or 600V) for engines up to 15HP

"MICROBRAKE 110A" (400V or 600V) for engines up to 20 HP

"MICROBRAKE 160A" (400V or 600V) for engines up to 30HP

The engine and maximum power 'is indicative, and if it must be considered when is applied the maximum braking current. The given limit to be complied is always the maximum current, which indicates the value of dimensioning of the brake.