

## **CURRENT REGULATOR FOR ELECTROMAGNETIC POWDER BRAKES**





Leo is a microprocessor controlled digital current regulator that can be programmed by using the three buttons on the device panel. Leo's flexibility allows many different uses:

### Standard working method

in closed-loop as current regulator combined with a tension controller (t-one, T-two, PLC)

#### Tension controller working method

- in open-loop systems as a tension controller combined with a sonar (servodiameter) or potentiometer:
- in closed-loop as a tension controller proportionalderivative, with dancer roller and potentiometer.

Leo guarantees brake/clutch torque stability irrespective of variations in the condition of the brake thanks to the current loop. The device can also cancel any residual magnetism (Antiresidual function) making it suitable for use in low torque applications without limitations. Small enough to be mounted on DIN guides Leo has been designed to take up the minimum amount of space while ensuring efficiency.



# **TECHNICAL SHEET & FUNCTIONAL DIAGRAMS**

Voltage supply	24 Vdc (± 10%)
Power	35 W max
Analog inputs 0÷10 Vdc/4÷20 mA	1 brake control, or dancer roller or torque limit 1 diameter
Digital inputs 24 Vdc	1 brake unlock (zero) 1 priority stop
Output 10 Vdc	1 potentiometer supply
PWM output -1÷1 A	1 electromagnetic brake
IP protection class	IP20
Working temperature	0÷50° C
Weight	150 g
Dimensions	22,5 x 101 x 119 mm

This information is correct at date of pubblication, but is subject to change without prior notification, or as required by Re Spa.

Open-loop tension regulator



**Closed-loop current regulator** 



**Closed-loop tension regulator** 





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