

The Original Nemef EL600 Fail save & Fail secure. Electromechanical solenoid lock.

The new Nemef EL600 solenoid lock is a universal electromechanical interior door lock that is extremely energy efficient. The locks in the EL600 series are a highly competitive combination of universality, sustainability, security and quality.

Truly universal

The following features make the EL600 lock truly universal:

- The dimensions are the same as the Nemef 600 series project locks.
- Adjustable panic side.
- Switchable from operating to fail save to fail secure.
- Adjustable direction of rotation.
- Interchangeable front plate.
- Wide voltage range from 12 to 24 VDC.
- Extremely low power consumption.

These features ensure that you always have the right type of lock to hand. This enables you to operate far more efficiently and virtually excludes the possibility of failure costs because you do not have the right type of lock.

Power consumption

The EL600 series locks are extremely energy-efficient. They consume a fraction of the energy used by similar locks: with power consumption of just 0.5W, they are twice as economical as the most energy-efficient equivalent.¹

With locks that operate in accordance with the fail save principle, continuous power consumption can cause energy costs to escalate. The use of Nemef EL600 locks makes it easy to save hundreds if not thousands of euros on the annual energy bill.²

Quality and sustainability

Nemef developed and produces the EL600 series locks in the Netherlands. The locks meet the stringent quality standards that our customers have come to expect from us.

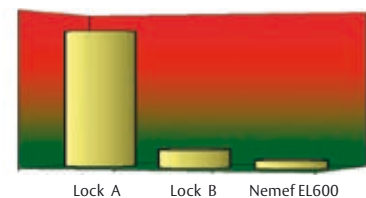
The extremely low power consumption and quality of our EL600 locks make these locks more sustainable and can help your company achieve its sustainability objectives.

Security

The security of the locks in the EL600 series, which is based on more than 85 years experience and innovative new features, meets the demands placed on a modern lock. If necessary, security can be electronically monitored by the built-in sensors. An external door position sensor can also be connected directly to the lock for closer monitoring.



Power consumption



¹ Several similar solenoid locks that are widely used in the Netherlands were tested during a comparative study. The results are shown in the graph. Of the locks that were tested, Lock A had the highest measured power consumption and Lock B had the lowest measured power consumption. The Nemef EL600 lock consumes just half the power required by Lock B. ² The calculation of the possible saving on power consumption costs is based on a project with 100 solenoid locks. At an energy cost of € 0.20 per kWh, the use of Nemef EL600 locks would result in a saving of approximately € 2,000.00 per year in relation to Lock A.

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Electrical specifications

Operating voltage	12-24 VDC stabilised, polarity insensitive
Power consumption	0.5W after switch-on surge
Operating current	0.044A (12 VDC), 0.022A (24 VDC)
Switch-on current	0.25A for 500mS (12 VDC, DIP switch 1 OFF)
	0.25A for 250mS (24 VDC, DIP switch 1 OFF)
	0.47A for 250mS (12 VDC, DIP switch 1 ON)
	0.47A for 125mS (24 VDC, DIP switch 1 ON)
Microswitches	Max. 0.1A/30 VDC
Exit detection	Cylinder operation
	Bolt blocking
	Bolt blocking + external door sensor
Entry detection	External door position sensor (potential free, closed if door is closed)
Operation	In accordance with the operating fail save & fail secure (switchable)

Mechanical specifications

Dimensions	Lock case: 92.5 x 165 mm
	Front plate: stainless steel 20 x 235 mm / various sizes
Material	Lock case: galvanised steel plate
	Bolts: stainless steel
	Front plate: stainless steel
Front plate	Interchangeable
Direction of rotation	Left/Right, adjustable
Panic side	Neither/Inside/Outside, adjustable
Product	9064998620 door lock 649/98-60 mm ELMEC Fail save & Fail secure

