

# ECM5000 - ECM5000M - ECS5000 - ECS5000M - ECS8000 - ECS8000M

Surface mount or Mortice Electromagnetic locks

**Thank you for buying our products and for the confidence you placed in our company.**

## 1] PRODUCT PRESENTATION

- **NFS 61-937.**
- **Surface mounting or mortice\*.**
- **Relay\*.**
- **Monitored\*.**
- **Visual feedback\*.**
- **High corrosion resistance.**
- **Delivered with armature plate.**
- **No mechanical wear.**
- **Ease of installation.**
- **Recommended for indoor use.**
- **Fail safe (Door unlocked when power off).**
- **Holding force:** 300 or 500kg\*.
- **Built-in varistor:** Electronic protection to eliminate back EMF.

- Electromagnetic lock dimensions (L x W x D):
  - ECM5000 & ECM5000M = 228 x 38 x 27mm,
  - ECS5000 & ECS5000M = 254 x 45 x 28mm,
  - ECS8000 & ECS8000M = 273 x 67 x 41mm.
- Armature dimensions (l x w x d):
  - 300kg range = 185 x 38 x 11mm,
  - 500kg range = 185 x 60 x 12mm.
- Option: Electromagnetic lock accessories.
- Power supply: 12/24V dc.
- Power absorption:
  - 12 V DC = 550mA,
  - 24 V DC = 275mA.

\* Depending on the version.



The ECS5000, ECS5000M, ECS8000 and ECS8000M versions with signalling are suitable for the new regulations covering assistance to persons with reduced mobility.

| Refs     | Holding force | Visual feedback | Relay | Moni-tored |
|----------|---------------|-----------------|-------|------------|
| ECM5000  | 300kg         | -               | -     | -          |
| ECM5000M | 300kg         | -               | Yes   | Yes        |
| ECS5000  | 300kg         | Blue            | -     | -          |
| ECS5000M | 300kg         | Red - Green     | Yes   | Yes        |
| ECS8000  | 500kg         | Blue            | -     | -          |
| ECS8000M | 500kg         | Red - Green     | Yes   | Yes        |

### COLOUR CODES

- ECS5000 - ECS8000**  
■ BLUE > ACTIVE VOLTAGE
- ECS5000M - ECS8000M**  
■ RED > LOCKED  
■ GREEN > OPEN

### Recommended power supplies



IP42



RoHS



EC certification



WEEE

## 2] REMINDERS AND RECOMMENDATIONS

**Electromagnetic locks are designed to require very little maintenance. Nevertheless, the following procedures will ensure optimum performance:**

- The electromagnetic lock and its armature have a special coating to protect them from corrosion. The contact faces of the lock must always be kept clean to ensure optimal locking.
- An electromagnetic lock works with direct current.

