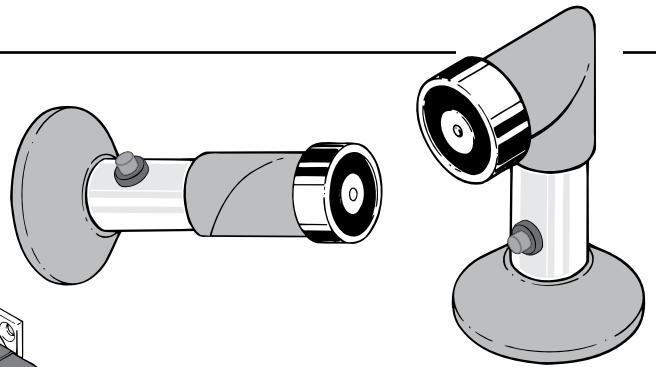
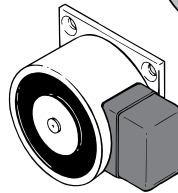


## Electromagnets - Summary

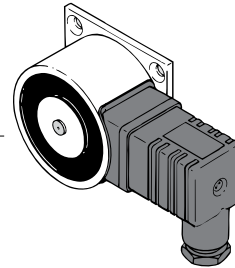
- Electromagnet with swivel head \_\_\_\_\_  
Page 07.033.00



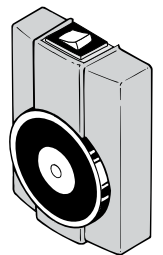
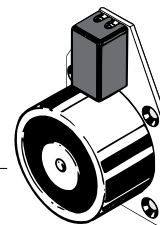
- Electromagnet with connection terminal \_\_\_\_\_  
Page 07.037.00



- Electromagnet with connection terminal, IP 65 \_\_\_\_\_  
Page 07.039.00



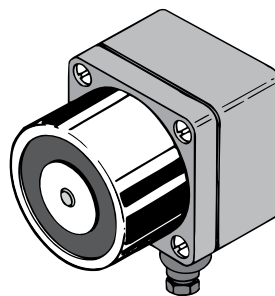
- Electromagnet with connection terminal on the mounting plate \_\_\_\_\_  
Page 07.040.00



- Electromagnet with interrupter key plastic casing \_\_\_\_\_  
Page 07.041.00

- Ex-proof electromagnet for zones 2 and 22 with IP 65 protection \_\_\_\_\_  
Page 07.043.00

- Ex-proof electromagnets with IP 66 protection \_\_\_\_\_  
Page 07.045.00



- Electromagnet for flush mounting \_\_\_\_\_  
Page 07.049.00



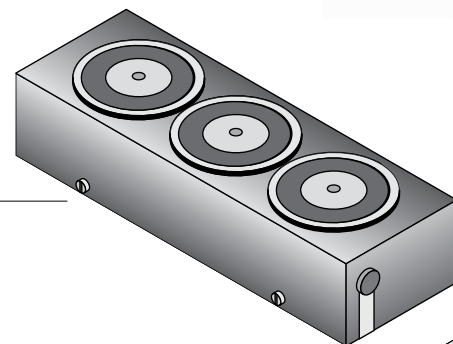
- Electromagnet for floor mounting \_\_\_\_\_  
Page 07.051.00



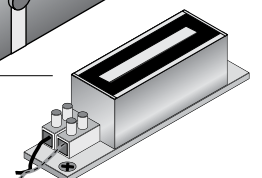
- Electromagnet with feed-back contact \_\_\_\_\_  
Page 07.053.00



- Three pole heavy duty magnet (5000 N) \_\_\_\_\_  
Page 07.057.00  
(for further bar magnets see Access Control Systems)



- Bar magnet \_\_\_\_\_  
Page 07.059.00



## DICTATOR Electromagnets

### Uses

DICTATOR electromagnets are used in a variety of applications. One of the most important fields is **fire protection and prevention**. The electromagnets are used to keep fire protection doors open. Usually fire protection doors must always remain closed. However, this is not always possible due to organisational or practical reasons. Using an electromagnet to keep the door open is the perfect solution. In the event of fire the smoke detector, for example, automatically interrupts the power supply to the magnet, thus making sure the door closes. Electromagnets are also used on smoke vents and windows. These windows should normally be closed, and in the event of fire must open automatically. This is no problem for a DICTATOR electromagnet.

Bar magnets with very high holding forces are mainly used for **security applications**, such as the securing of emergency exits in escape routes.

Electromagnets are also used in **machine construction**. For example in machining centers, access doors or flaps must be closed before the machine is allowed to start. This requires information to be transferred from the door to the control system. DICTATOR electromagnets with feed-back contact provide the solution.

The **versatility** of DICTATOR electromagnets makes them the perfect solution for **many different applications**. However, on the following pages we will concentrate on our standard program for fire protection doors. If you have an application that cannot be solved with our standard models, please contact us.

### Variations

DICTATOR electromagnets are produced in a variety of designs to enable us to offer solutions for special applications. Within our standard programme, the following technical data can be varied:

Voltage	12 VDC to 230 VDC, 24 VAC to 250 VAC
Force	70 N to 5000 N
IP rating	from IP 20 to IP 66
Electrical connection	terminal, free leads etc.
Design	casing, distance tube, flush mounting etc.

The most important features of DICTATOR electromagnets include **lowest possible power consumption** and **highest possible force**. We have also attached great importance to a **wide range of different models**, offering **optimal solutions** for many different application and installation requirements.

### Customised Designs

Apart from the variation possibilities described above, we also offer customised designs e.g. the **electromagnets with a permanent magnet**. They usually work without current due to the permanent magnet. By feeding current to the magnet, the magnetism of the permanent magnet is momentarily neutralised, thus releasing the door or flap.

Please inform us of your application. We look forward to providing a solution for you.