

## Bar Magnet

### High Holding Force - Small Size

The DICTATOR EM FH bar magnet 100x24x27 is the perfect solution when a normal (round) electromagnet with a comparable holding force does not fit. With a width of only 24 mm the **narrow** bar magnet can also be placed unobtrusively in applications with **restricted space** (e.g. in smoke vents in the window frame). Its 400 N holding force is very high and corresponds to that of a round electromagnet with a diameter of at least 40 mm.

The bar magnet is placed on a mounting plate along with a connection terminal. This facilitates installation and the electrical connection.

Due to its small, narrow dimensions the bar magnet is not provided with a release pin. However the remanence of the magnet is only 4 N.

The DICTATOR bar magnet is equipped with a spark extinction diode. In the event of faulty connection the integrated polarity protection prevents the spark extinction diode being destroyed.



### Technical Data

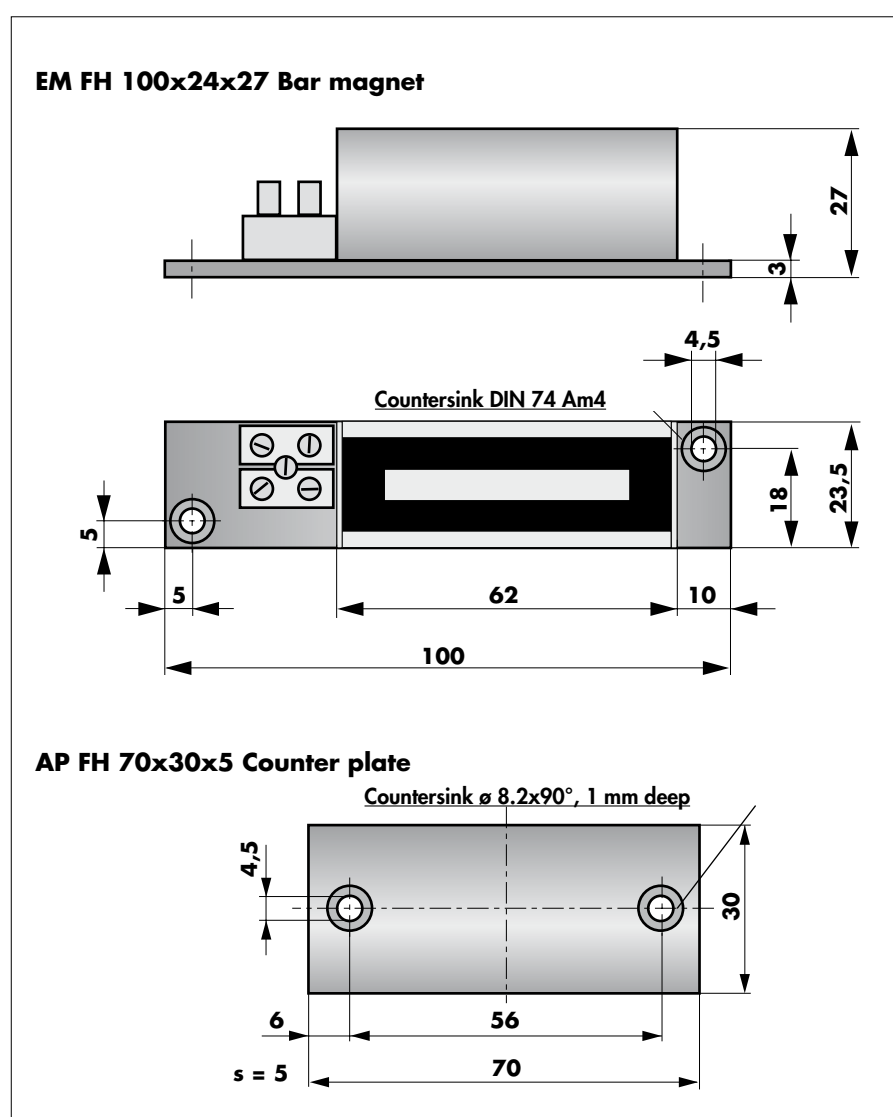
Voltage	24 VDC ±10 %
Power consumption	88 mA (2.1 W)
Force	400 N
Duty cycle	100 %
Operating temperature	-20 °C to +40 °C
Remanence	4 N
Finish	zinc-plated
IP rating	IP 20 (DIN 400 50)

## Installation

When using the bar magnet on windows it is fixed with 2 M4 screws in a recess of the frame. The AP FH 70x30x5 counter plate is mounted on the window as a counterpart to the magnet. Make sure that the counter plate completely covers the bar magnet and lies straight.

A two-channel terminal is provided on the mounting plate for the electrical connection to the 24 VDC power supply.

## Dimensions



## Order Information

EM FH 100x24x27 bar magnet	force 400 N	part no. 040273
AP FH 70x30x5 counter plate		part no. 040291