

Three Pole Heavy Duty Magnet With Very High Forces (4850 N or 5100 N)

The DICTATOR EM FH 266.5x82x55 three pole heavy duty magnet is designed for applications where very high holding forces are necessary (e.g. large doors, conveying systems etc.).

It consists of three single EM GD 70 magnets which are arranged in a white powder-coated casing (RAL 9010). This makes the heavy duty magnet a very economic solution when high forces are required, and easy to install, too.

The heavy duty magnet can also be provided with a feedback contact (RM model). The feedback functions by measuring the changing of the magnet field when the counter plate lies against the magnet or not.

Both types have differing holding forces (see table).

To achieve maximum force the AP FH counter plate should always be used with the heavy duty magnet.

The DICTATOR heavy duty 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

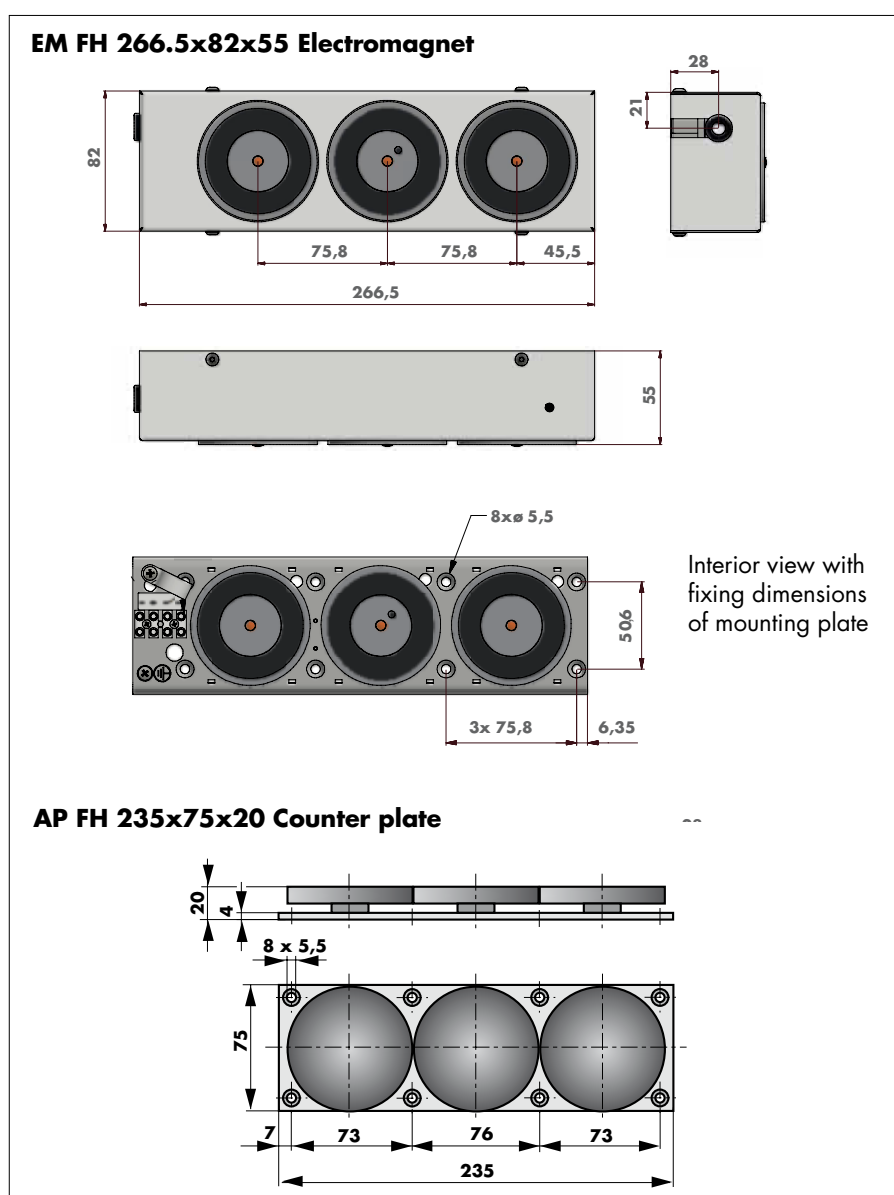
Electromagnet EM	FH 266.5x82x55	FH 266.5x82x55 RM
Voltage	24 VDC ± 10 %	
Power consumption	438 mA (10.3 W)	355 mA (8.5 W)
Force	5100 N	4850 N
Duty cycle / Remanence	100 % / 0 N	
Operating temperature	-20 °C to +40 °C	
Finish	magnet zinc-plated, casing white powder coated	
IP rating	IP 20	
Feedback contact	no	yes

Installation

When using the three pole heavy duty magnet for doors, the magnet is mounted on the wall behind the door that needs to be kept open. The AP FH counter plate 235x75x20 is fixed to the door as a counterpart to the magnet. To achieve the indicated force and have a feedback contact, make sure that the counter plate completely covers the single magnets and that it lies evenly.

Remove the magnet casing when installing and screw the mounting plate with the three magnets to the wall. A terminal is provided on the base plate for the electrical connection. The connection cable is introduced via a rubber funnel in the side of the casing. Screw the casing back on the base plate after mounting and wiring.

Dimensions



Order Information

EM FH 266.5x82x55 electromagnet	force 5100 N	part no. 040270
EM FH 266.5x82x55 RM electromagnet	force 4850 N	part no. 040271RM
AP FH 235x75x20 counter plate		part no. 040290