



Barriers MAGSTOP

MHS 8

Technical data :	Type	MHS 8 W-100
Max. barrier width	mm	10,000
Opening/closing time for 90°	s	approx. 40
Voltage	V	230 V AC 50 Hz
Power consumption during barrier motion	W	approx. 600
Housing width	mm	600
depth	mm	620
height	mm	800
Weight not including boom	kg	approx. 130

Use

Mainly used as traffic control barriers in traffic lane blocking systems, e.g. before tunnels, bridges, construction sites and on motorways in one-way traffic. The turning direction for the blocking function is always opposite to the driving direction.

Technology (230 V version)

The combination of our proved torque motor and a sturdy transmission represents a simplified drive system with a high degree of reliability. The integrated drive unit features a self-locking design and is switched off in its end positions by means of limit switches. The built-on brake holds the barrier boom securely in its end positions. Various angles of rotation can be set using the limit switches of the adjustable end-position limitation system. Mechanical safety stops for angle of rotation limits are included. In the event of a power failure, the brake, which is equipped with a manual lever, can be released, and the emergency crank can then be used to move the barrier boom by hand.

Drive

The heart of the Magnetic Barrier is the blockable torque motor for 230 V AC. The torque motor is maintenance-free and can be blocked in any position without being damaged. In the end positions, the motor remains under voltage (reduced power

approx. 20 W). The heat generated by the torque motor prevents condensation and corrosion, ensuring reliable and problem-free operation particularly in winter.

Self-supporting housing

The Magstop horizontal turning barrier MHS 8 consists of a sturdy, rust-proof (material V 2 A), self-supporting sheet-metal housing. All the components in the barrier housing are easily accessible through 2 removable doors. In the standard version, the housing is coated with RAL 2000 orange paint. Special colours are available on request at extra cost.

Barrier boom

The barrier boom, in the versions that exceed a boom length of 4 m, consists of two octagonal special aluminium sections with the dimensions 120 x 86 mm. The maximum barrier width is 10.0 m depending on the customer-specific built-on accessories (signs, beacons, lamps, etc.). The section is coated in white plastic (RAL 9010) and laminated with a red reflective foil. Accordingly, the boom is clearly visible even at night.

For a variety of applications such as complete roadblocks, partial roadblocks, traffic guidance, up to 10 lamps (e.g. 3 x yellow flashing, 2 x 5 red, maintained light, e.g. lens diameter of 180 mm) and traffic

signs can also be mounted. The lamps are operated using safety extra-low voltage.

Waterproof plug-in connections used to supply the lamps with power are located inside the flange.

The barrier booms are kept under proper tension with wire cables. All the parts of this tensioning device are made of stainless steel (V 4 A).

Control unit

The complete control unit is accommodated in the barrier housing. Many different control unit models are available on request. Potential-free checkback signals are also provided.

Safety

The following safety instructions must be observed with regard to the installation and operation of a Magnetic barrier:

1. The concrete foundation must be provided by the customer in accordance with Factory Info MF 5115.
2. A distance of at least 500 mm must be maintained between the barrier boom tip and the nearest building structure.
3. For permanent installation, a main switch that can be used to disconnect all poles must be provided by the customer.
4. Opening and closing operations must be observed! Installation of operating elements beyond the range of view is not permitted; a visual link must exist between the barrier system and the control units.
5. During operation, the presence of persons or goods in the barrier boom movement zone is not permitted.
6. The barrier boom attachment is designed to withstand a maximum wind force of 10 on the Beaufort scale (= 500 N/m²).

Electrical connection

All the electrical installation work must be carried out by authorised qualified personnel.

