MCSHOR

- Suitable for low spaces
- Reach: 2 to 7m
- Opening speed: ~5 sec
- Master/slave possible
- Up to a 5 year warranty
- Custom-made and delivered ready for installation

Parts

Barrier box

- Dimensions: 440 W x 450 D x 1340 H
- Parts: folded and welded steel plate (3mm) with internal reinforcement (up to 15mm), an access door, a removeable cover and a base plate (6mm)
- Removable cover runs diagonally upwards to the center
- Pivot points are mointed with bearings and tension ring mounts

Barrier arm

- Round aluminium tube (Ø 90mm) with a plug at both ends
- Red reflective strips (330 x 90 mm) are applied to both sides
- Secured by two stainless steel bolts which makes it easy to replace
- 2 types:
  Type R = right-hand mounted barrier arm
  Type L = left-hand mounted barrier arm

Finishing

- Surface treatment: blasted and metallized
- Finished off with a thermo-hardened polyester coating

Opening

- Type N (normal): 5,5 sec

Safety

Emergency release accessible via access door in front of column (locked). When the door is opened, the safety interrupter prevents that the barrier moves automatically.

Emergency crank

When the emergency crank is used, the current is automatically interrupted by a limit switch that is in contact with the motor gearbox. To use the emergency crank, swivel the cover on the right side of the barrier box. An emergency crank is delivered with the MCSHOR.

Mechanism

Drive

Barrier arm is driven by a three-phase motor (230 VAC or 400 VAC). A frequency control can convert the voltage to single phase 230 VAC. The power is 0,25kW.

Durability

The torque applied to the arm is always in safe relation to the torque required. By combining the favorable power factor (1,2) and the clutch, the barrier is maintenance- free. The slow down mechanism always functions, even in the event of a collision.

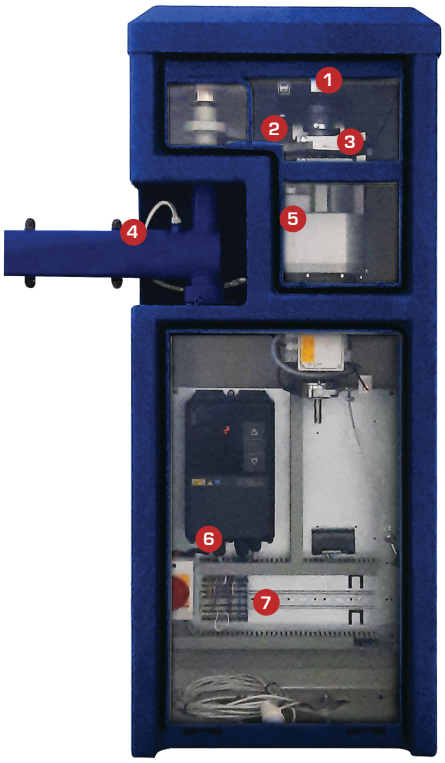
Control system

Built-in microcontroller is suitable for a wide range of applications (such as 3-push button, switch pulse, start with automatic closing, loop start,...). Microcontroller can be connected to and managed by other home automation systems with addi–tional communication software.

Operating temperature

The MCSHOR has an operating temperature of -5°C to 50°C. With the optional heating mat, the operating temperature increases to -30°C to 50°C.

Technische informatie en accessoires



Position: boom barrier arm left

1	**Door switch**	
2	**Push rod mechanism**	
3	**Limit switches**	
4	**Barrier arm holder**	
5	**Motor reductor with motorbreak**	
6	**Control**	FEIG-TST-FUZ2-B
	Power supply	1F 230 VAC
	Frequency	50 - 60 Hz / 1,5 kVA
	Power usage	30 Watt
7	**Terminal strip**	

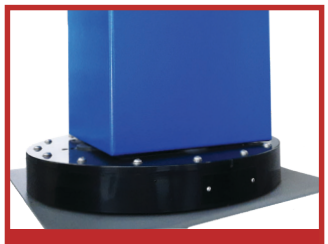
Position of the barrier arm

Dimensions barrier box	450 x 440 x 1340mm (WxDxH)
Parts barrier box	Folded and welded steel plate (3mm) with internal reinforcement up to 15mm, access door, removable lid, base plate (6mm)
Ø boom barrier arm	90mm
Opening speed	5,5 sec
Control	Frequency control
Operating temperature	-5°C to 50°C
Options	
Potential-free contact of the limit switches in the clamming strip	
Maritime coating	
Stainless steel	

Accessories - boom barrier arm

LED-lighting

Accessories - general



Pivot plate

Laser sensor - horizontal

Laser sensor - vertical

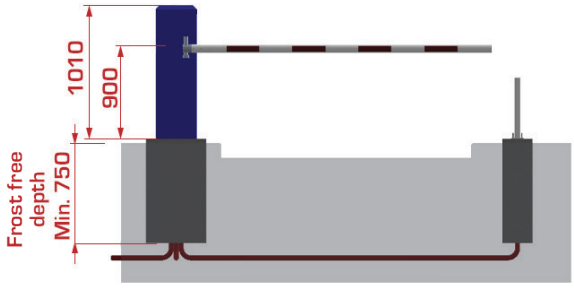
Photo cell

Heating mat

Loop detector - Bircher/FEIG

Technical drawings

Horizontal boom barrier - standard



Your safe partner in access

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