

Barrier Gate M Gate AC Motor.pdf



Distributor Terbaik Sistem Parkir Modern MSM Parking Group

Barrier Gate M Gate

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Model: M Gate

Features and Specifications

The M Gate series intelligent barrier gates use innovative technology and precision manufacturing to guarantee quality and reliability for years. The M Gate intelligent barrier gate has been tested for more than 5 million cycles without performance degradation, ensuring superb mechanical lifetime for heavy-duty applications. The electronic panel controls the mechanical unit to lift or release the barrier arm, making access control easier for you.

Technical Specifications

- Dimensions:
 - Package Dimensions: 112*38.5*47cm
- Description Parameters:
 - Mechanical Temperature: -40° to 75°C
 - Electrical Temperature: -40° to 75°C
 - Power Supply Input: AC110/220V(10%), 50/60Hz
 - Power Consumption: 80 watts
 - Relative Humidity: < 90%
 - Arm Speed: 1, 1.8, 3, 6 seconds
 - Internal Lubrication: Grease
- Max Starting Torque:
 - 1 second: 1.4±0.2 N.M
 - 3 / 6 seconds: 0.87±0.1 N.M
- AC Rotation Speed:
 - 1 second: 440±40 RPM
 - 3/6 seconds: 900±50 RPM

Models and Specifications

Model No.	Open/Close Speed	Max Straight Arm	Arm Swing Out
M Gate-8011	1 sec	3 meter	Yes
M Gate-8012	1.8 sec	4 meter	Yes
M Gate-8013	3 sec	4 meter	Yes
M Gate-8016	6 sec	6 meter	No

Model No.	Open/Close Speed	Max 90 Degrees Folding Arm	Max 180 Degrees Folding Arm
M Gate-8023	3 sec	3 meter	Yes
M Gate-8026	6 sec	4.5 meter	No

Special Features

- **Manual Release:** The manual release clutch can be conveniently unlocked to manually open or close the arm without removing the whole top cover or body housing, ensuring hassle-free operation and safety from vandalism.
- **Auto Reverse:** Built-in smart collision detection technology allows the arm to auto-reverse when hitting an obstacle during closing, preventing further damage to the vehicle.
- **Arm Swung Out:** The arm will swing out when directly hit by a vehicle (only for straight arms less than 4.5 meters) to avoid further damage to the vehicle.
- **Double Safety Sensor:** Photoelectric sensors and motor memory limit sensors ensure precise barrier gate opening and closing.
- **Auto Fan Cooling:** A fan cooling device reduces motor temperature during high-frequency use. The cooling

system activates automatically when motor temperature increases, preventing heat protection issues.

- **Auto Delay Closing:** The barrier gate can be set to auto-close after opening, with auto closing times of 5, 10, or 15 seconds.
- **Device Support:** External devices such as infrared photocells, loop detectors, and traffic lights are supported for various uses of the barrier gate.
- **Communication Module:** Optional RS485 module for controlling the barrier gate via computer or other devices through protocol communication.

Note: All specifications are subject to change without prior notice.