LBA

LBA
W-GATE 7580

INTELLIGENT FAST FOLDING GATE

The revolutionary high-security folding gate.

The only K12-tested double reverse crash gate, it features advanced artificial intelligence and an opening speed of up to 1 m/s.

It provides optimum protection for high-risk sites with a high volume of vehicles.

BREVETÉ

ULTRA-STURDY & FAST FOLDING GATE
# CRASH TESTED 7.2 T AT 80KM/H
OPENING 1M/S (DOUBLE VERSION)

EQUIVALENT K12 - 1 790 000 Joules

Intelligent detection
LBAi Detect

Automatic locking in position

Motorization integrated into posts

Customizable leaves

Low depth of sealing
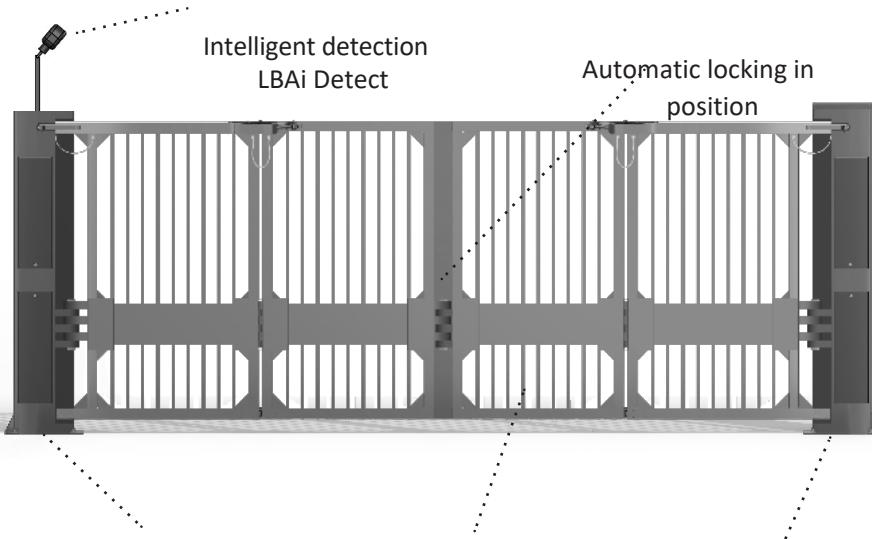
CRASH RATING
6m double model with N3 vehicle at 80 km/h

INTELLIGENT SECURITY
Patented system. Intelligent distinction between pedestrians and vehicles. Dynamic detection: obstacles to avoid the risk impact.

INTENSIVE USE
Robust design for unlimited use.

FAST OPENING SPEED REDUCED TRAVEL

LOW SEALING DEPTH

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CERTIFICATION

Test conditions :

Double gate 6m clearance. Truck N3 7.2t/7.5t at 80 km/h

ISO22343
Gate barrier
V/7200[N3C]/80/90

ASTM 2656M
U50 (DOS K12)

OPENING DIAGRAM

Top view
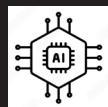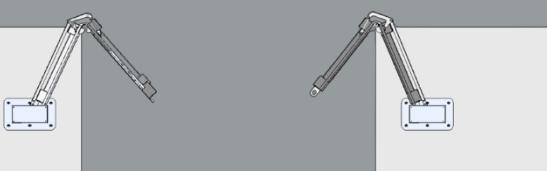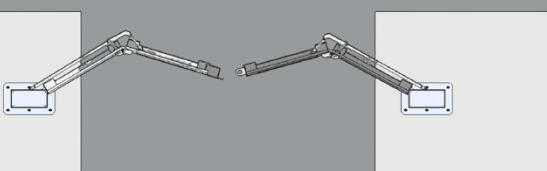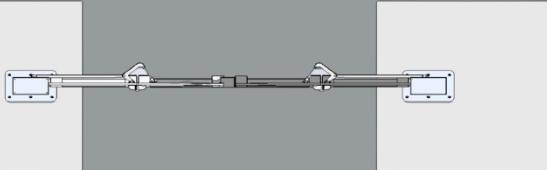
ARTIFICIAL INTELLIGENCE SECURE ACCESS
Patented system

### STANDARD CONFIGURATION

Cells

Safety edge

Secure zone
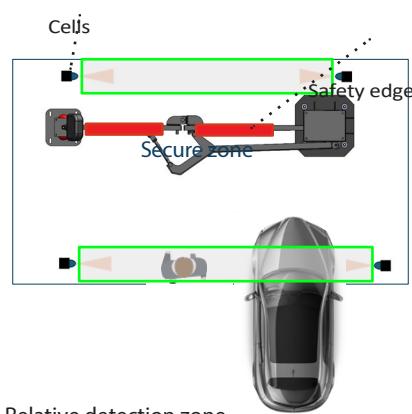
Relative detection zone, compensated by safety edges mounted on leaves

Standard safety

- No distinction between pedestrian and vehicle.
- Restricted user detection (at cell level)
- Obstruction detection by contact safety edge

🔴 Safety edges: YES
🟢 Upstream/downstream
🟢 cells: YES Standard 13241-1
CSTB validated: YES

CONFIGURATION WITH LBAi DETECT

LBAi

Detect

Secure zone
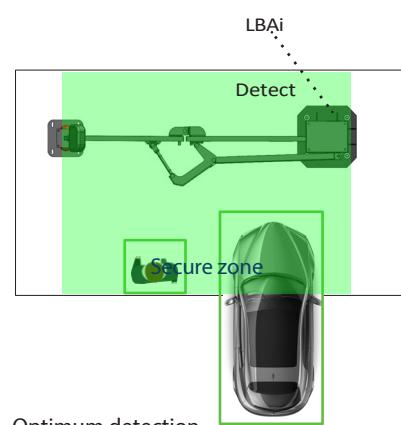
Optimum detection zone requires neither sensor nor safety edge

Safety with LBAi Detect

- The LBAi detection system distinguishes pedestrians from vehicles.
- Detection and typification of users within the entire safety (adjustable in advance)
- Early presence detection without impact

🟢 Contact edges: NO
🟢 Upstream/downstream cells:
🟢 NO Standard 13241-1
🟢 CSTB validated: YES

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DETECTION PACK

2 options available

• **LBAi Detect intelligent safety system:** image analysis using artificial intelligence to distinguish between pedestrians and vehicles. Detection zone can be customized according to site configuration, enabling
user safety.

• **Standard safety package :**
set of safety edges and safety cells detection

MANAGEMENT SYSTEM

**CARTE LBA ONE-C© , a card
for scalable products**
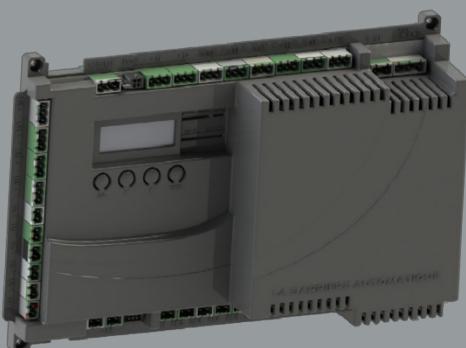
• **All-in-1 card:** a single interface for installation and maintenance.

• **Web server:** can be controlled remotely, enables
management of all barrier parameters.

• **Simplicity:** Pl-d category 2-certified PLC to EN ISO 13849-1 standard

• **User interface:** with display and view

MAIN FEATURES

• Height from 2.5 m to 4 m
• Width from 3 to 8 m
• Motor integrated gate posts
• Automatic locking in closed position
• Low embedding depth (500 mm)
• Supplied with a set of infrared sensors attached to the gate jamb.
• Supplied with a second set of cells to be fixed on a support of your choice.

TECHNICAL DATA

Motorization :
• Low-consumption electric motor (0.25 Kw)
• Safe manual unlocking

ONE-C card management :
• Wired or network cable control; several communication
(Modbus TCP/IP, RS485)
• Program memory via SD card (supplied)
• Plug-in terminal box
• Easy to use
• Ergonomics

Power supply	230 V
Consumption	250 W
Motorization	Electric
Resistance	1,790,000 Joules
Operating time	1m/s (double version)
MCBF (number of cycles)	1 000 000**
MTBF (hours)	25 000
MTTR (min)	30
Widths	3-8 m
In the event of a power cut	Manually unlockable

* depending on test conditions
**subject to compliance with maintenance and servicing recommendations

OPTIONAL EQUIPMENT

• Led Banners
• Aluminium design sheet with LBA Design motif

• **Classic safety**
- Additional infrared cell set (for LV/PL management)
- Steel support post for IR cell mounting
- Safety edge

• **AI-assisted safety**
- 1 camera with factory-set detection zones

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