

# 640

## **automatic barrier for beams up to 7 m**



### **THE RIGHT SOLUTION FOR LARGE INDUSTRIAL ACCESSES**

With its length of 4 to 7 metres, the FAAC 640 range is ideal for traffic-control in large industrial accesses, with particularly demanding use.

### **RELIABLE AND RESISTANT**

Use of cutting-edge materials and treatments such as cathaphoresis and niplay, plus tried-and-tested FAAC hydraulic technology, all combine to ensure long-life.

### **HIGH-TECH**

SMT microprocessor electronic technology is supplied standard to ensure exceptional performance. By means of an optional card, the barrier can also control auxiliary services and an additional opposing beam. Barrier statuses can be signalled to traffic control devices.

### **PRECISE STOPPING**

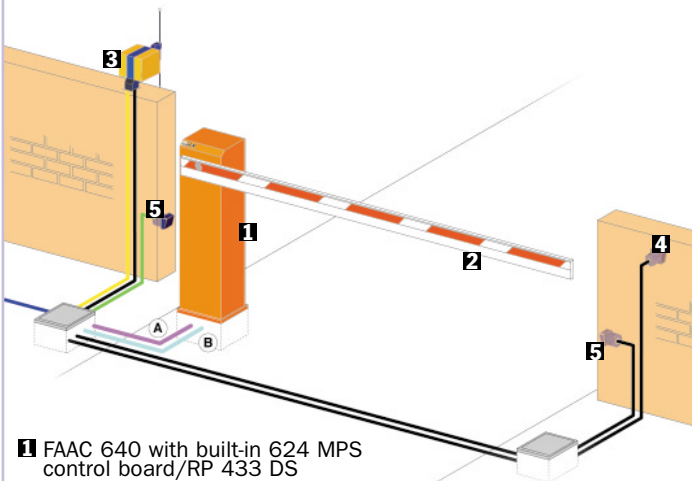
Perfectly calibrated stopping thanks to the adjustable electronic brake that slows down closing and opening movement. A thermal probe detects temperature and activates a cooling fan.

### **SPECIFICATIONS**

Automatic barrier for beams up to 7 m • Use frequency 100% • Opening/closing time from 4 to 8 s • Activation system comprising hydraulic pump unit, plunger pistons, equaliser and transmission shaft • Balancing by compression spring • Internal stops adjustable for open or closed beam positions • Load bearing housing in steel protected by cathaphoresis treatment and polyester powder paint RAL 2004 • Overall dimensions (L x W x H) 230x390x1080 mm • Protection class IP 44 • Release device accessible from the outside by triangular or customised key (optional) • Hydraulic pump unit with hydraulic locking at opening and closing • Electric motor power supply 230 V (+6% -10%) - 50(60) Hz • Electric motor power 220 W • Thermal protection at 120°C built into motor winding • Operating ambient temperature -20°C +55°C • Single-phase motor with two rotation directions (1,400 rpm) • Hydraulic gerotor pump (max low noise) • Pump flow rate 0.75-1-1.5-2 l/m • Die-cast distribution flange • Separate control of opening and closing force by by-pass valves - Anti-crushing safety to UNI 8612 standard • Tank in anodised aluminium • Mineral hydraulic oil with additives • Travel-limit deceleration • Adjustable deceleration angle by cams • Automatically activated cooling ventilation • Designed to accommodate rectangular, rectangular with skirt beams • Built-in electronic control equipment



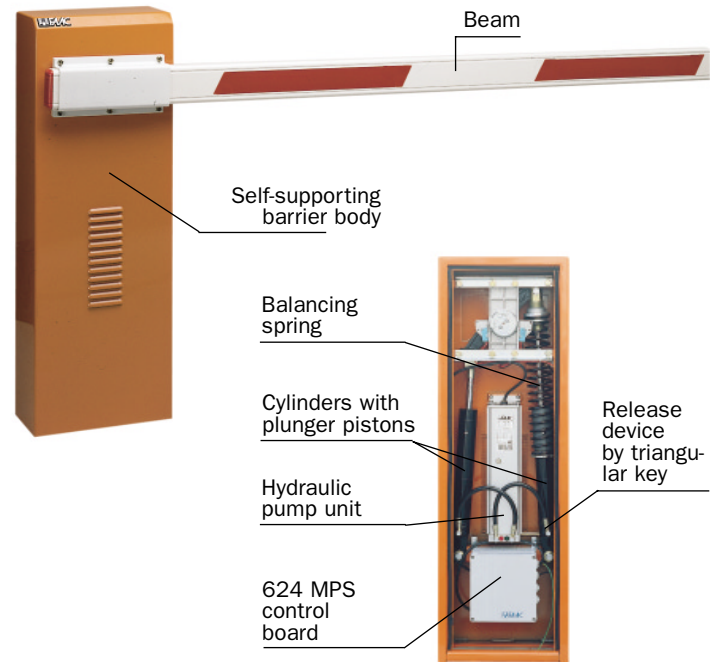
### INSTALLATION DIAGRAM SPECIMEN



- 1 FAAC 640 with built-in 624 MPS control board/RP 433 DS
- 2 Beam
- 3 FAAC MINILAMP
- 4 FAAC T10
- 5 FAAC FOTOSWITCH

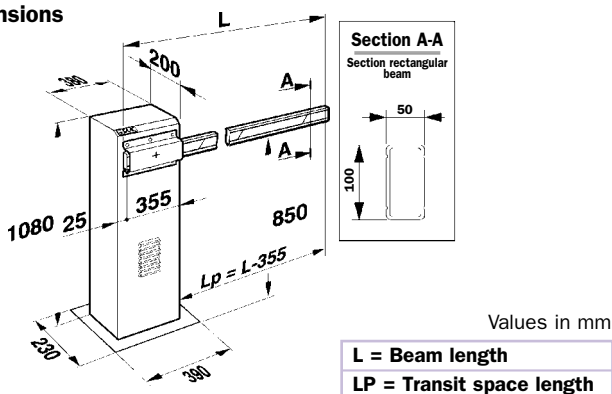
| Low voltage cabling                   | Power cabling (230V)                   |
|---------------------------------------|--|
| (A) { 3 cables 3x0.5<br>1 cable 2x0.5 | (B) { 1 cable 2x1.5+T<br>1 cable 2x1.5 |

N.B: Cable diameters in mm<sup>2</sup>



| Model     | Use                  |                  |                   |
|-----------|----------------------|------------------|-------------------|
|           | Beam max. length (m) | Opening time (s) | Use frequency (%) |
| 640 LH/RH | 7,00                 | 4 (5m)           | 100               |

### Dimensions



### Technical characteristics of 624 MPS control board

|                               |  |
|-------------------------------|--|
| Power supply                  | 230 V ~ (+6% -10%) 50 (60) Hz                      |
| Motor maximum load            | 300W   |
| Accessories output            | 24 Vdc 500 mA max                                  |
| Operating ambient temperature | -20°C + 55°C                                       |
| Three protection fuses        | 0,25 A transformer - 5 A motor - 1,6 A accessories |
| Enclosure dimensions          | 174x178x102 mm (LxHxD)                             |
| Protection class              | IP 55  |

- **SMT technology** • **Programmable functions:** - Three function logics - A/E/P, Pause times, Pre-flashing, Electronic deceleration (short or long), Operation of indicator-light
- **Inputs signalling LED, alarm and limit-switch**
- **Terminal board outputs** Indicator-light, flashing Lamp
- **Terminal board inputs** - Open, stop, safety devices, anti-panic.
- **Rapid connectors for:** Motor, limit-switch, decoding cards/card receivers, optional cards • **Reset push-button**

| Technical characteristics           | 640                                 |
|-------------------------------------|-------------------------------------|
| Power supply                        | 230 V~ (+6% -10%) 50 (60) Hz        |
| Electric motor                      | Single-phase, bi-directional        |
| Absorbed power                      | 220W                                |
| Absorbed current                    | 1A                                  |
| Motor rotation speed                | 1.400 - 2.800 rpm                   |
| Pump flow rate                      | 0,75 - 1 - 1,5 - 2 l/min.           |
| Thermal protection on motor winding | 120°C                               |
| Effective torque                    | 0÷470 / 0÷340 / 0÷250 / 0÷210 Nm    |
| Electronic deceleration             | Adjustable with cams                |
| Operating ambient temperature       | -20°C +55°C                         |
| Weight                              | 84 kg                               |
| Type of oil                         | FAAC oil XD 220                     |
| Barrier body treatment              | Cataphoresis                        |
| Paint                               | RAL 2004 polyester                  |
| Protection class                    | IP 44                               |
| Cooling                             | Forced air                          |
| Type of beam                        | rectangular, rectangular with skirt |