

860 MC/EMC

garmotor

for sliding gates with maximum weight of 1.200 kg

860 MC Z16/EMC Z16 for rack applications

860 MC/EMC for chain applications

860 MC RF/EMC for chain applications with idle transmission



STRENGTH AND SAFETY

The special anti-crushing clutch, in oil bath, enables thrust adjustment from 0 to 110 daN. For maximum safety, a version (860 EMC) with an electronic device is available, which, when an obstacle is detected, reverses the gate movement as it closes and stops it at opening.

MAXIMUM ACCESS FLEXIBILITY

Thanks to high-tech electronics, there is a separate opening facility for pedestrians, which offers maximum access flexibility. The gate stopping positions are stored at installation, and therefore, there is no need to install mechanical devices on the gate frame.

GRADUAL SLOW-DOWN

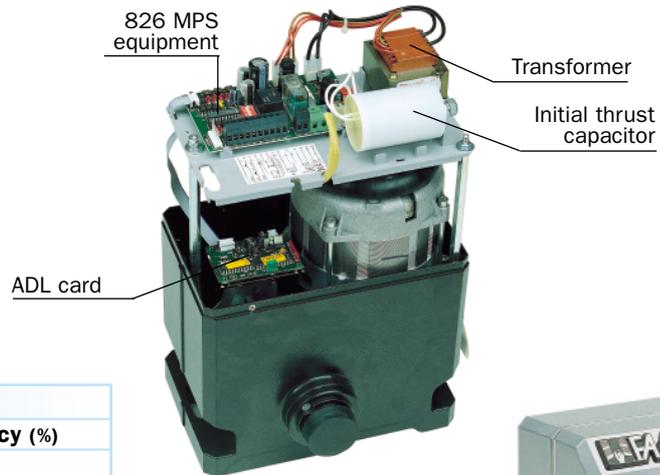
The microprocessor which commands gradual electronic deceleration (FAAC's exclusive patent), stops the gate gently and silently. All electronic equipment is housed inside the gearmotor, to facilitate and speed up installation at lower cost.

NON REVERSING

As the gearmotor is non reversing, no electric locks need be installed and, in the event of power failure, the release device enables the gate to be opened and closed manually. The device is also available with a customised key.

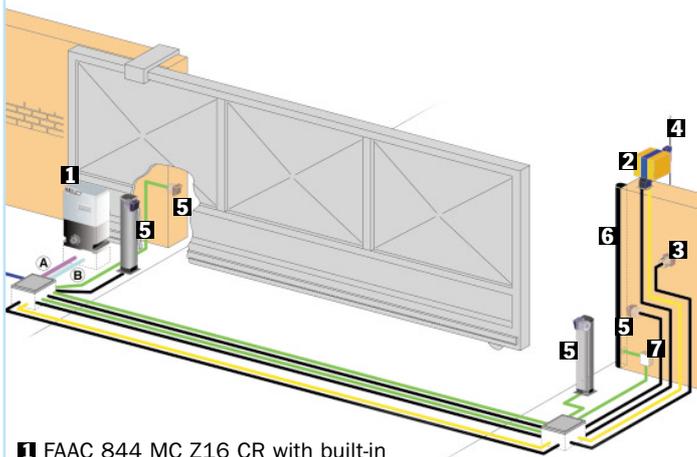
860 MC Z16 CR SPECIFICATIONS

Non-reversing screw gearmotor • Gate maximum weight 1,200 Kg • Gate maximum length 10 m • Gate speed 9.5 m/min • Use frequency max. 30% • Max thrust 110 daN • Electric motor power supply 230 V (+6% -10%) -50 (60) Hz • Electric motor power 600 W • Thermal protection at 135°C built into motor winding • Operating ambient temperature -20°C +55°C • Protection class IP 44 • Release device activated by lever or customised key (optional) • Self-ventilated single-phase electric motor with two rotating directions (1.400 rpm) • Pinion gear Z 16/module 4 • Enbloc base in pressure cast aluminium with cathaphoresis treatment • Steel cover, polyester painted • Single-disk clutch in oil bath • Anti-crushing safety to UNI 8612 standards • Clutch adjustment with Allen spanner • Foundation plate with side and height adjustment (optional) • Dimensions (L x W x H) 235 x 221 x 402 (mm) • Built-in electronic card • Electronic card protective housing • Programmable electronic limit-switch without on-gate fittings • Travel-limit electronic deceleration • 24 Vdc - 250 mA max. output for accessories • Microprocessor control • 3 protection fuses (motor/accessories - transformer) • Connector for card receiver/decoding cards • Separate high and low voltage terminal boards • Input and alarm status signalling LEDs • Programming Dip Switches • Braking control trimmer • Automatic (A1-A2-S1-S2), semi-automatic (E1-E2) and dead-man operation logics (B-C) • Pause times in selection range of 5s to 180 s (Dip Switches) • Selectable 5s pre-flashing (Dip Switch) • Inputs: closing safety devices, stop push-button, total opening push-button, partial opening push-button • Outputs: power supply for accessories, motor, flashing lamp and indicator-light



Model	Use	
	Max weight (kg)	Use frequency (%)
860 MC Z16	1.200	30
860 MC	1.200	30
860 MC RF	1.200	30
860 EMC Z16	1.200	30
860 EMC	1.200	30

INSTALLATION DIAGRAM SPECIMEN



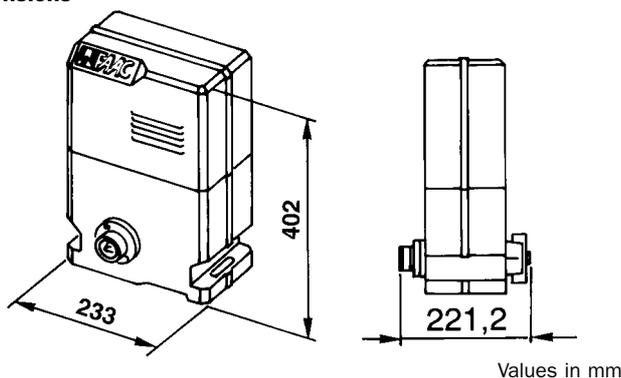
- 1 FAAC 844 MC Z16 CR with built-in control board/MINIDEC DS
- 2 FAAC MINILAMP
- 3 FAAC T10
- 4 FAAC PLUS 433 E
- 5 FAAC FOTOSWITCH
- 6 SAFETY EDGE
- 7 JUNCTION BOX with pressure switches

Low voltage cabling		Power cabling (230V)	
A	4 cables 3x0,5	B	1 cable 2x1,5+T
	3 cables 2x0,5		1 cable 2x1,5

N.B.: Cable diameters in mm²

Technical specifications of 860	MC Z16	MC	MC RF	EMC Z16	EMC
Power supply	230 V~ (+6% -10%) 50 (60) Hz				
Absorbed power	600W				
Absorbed current	3 A				
Traction and thrust force	0÷110 daN				
Motor rotation speed	1.400 rpm				
Reduction ratio	1:30				
Operating ambient temperature	-20°C +55°C				
Weight with oil	15 kg				
Type of oil	FAAC OIL XD 220				
Gate speed	9.5 m/min (Z16)				
Gate maximum length	10 m				
Thermal protection on motor winding	135°C				
Protection class	IP 44				
Electric motor	Self-ventilated single-phase, bi-directional				
Clutch	Single-disk, oil-bath				

Dimensions



Values in mm

Specifications of 826 MPS electronic equipment

Power supply	230 V~ (+6% -10%) 50 (60) Hz
Motor maximum load	600W
Accessories output	24 Vdc 500 mA max
Operating ambient temperature	-20°C +55°C
Three protection fuses	0.25 A (SMT) transformer 5 A motor - 1.6 A accessories

- SMT Technology
- Programmable functions
 - Eight function logics
 - Pause times
 - Operation of indicator-light - Pre-flashing
- Pedestrian opening
- Analogic Digital Limit-(ADL)
- Travel-limit electronic deceleration
- Obstacle detection electronic device (EMC version only)
- Input and alarm signalling LED
- Indicator-light output