844 MC REVERSIBILE

gearmotor
for sliding gates with max weight of 1.000 kg

REVERSIBILITY IN ALL SITUATIONS

The FAAC 844 MC REV screw gearmotor is reversible: when no power is supplied to the motor, the sliding leaf can always be moved manually. An electric lock must be installed to maintain the gate in closed position.

TOTAL SAFETY

The special twin-disk anti-crushing clutch, in oil bath, enables thrust adjustment from 0 to 68 daN.

LONG LIFE

Constant, complete oil-bath lubrication of mechanical components plus assembly in a high resistance pressure-cast aluminium body ensure a very long life.

FAAC MEANS RELIABILITY

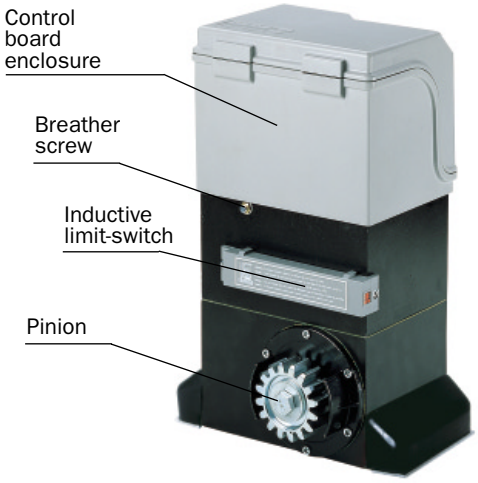
Thanks to the reliability of FAAC technology, maintenance is minimised.

SPECIFICATIONS

Reversible screw gearmotor • Gate max. weight 1.000 Kg (Z12) • Gate speed 11.6 m/min (Z12) • Max. use frequency 30% • Thrust orce 68 daN • Electric motor power supply 230 V (+6% -10%) - 50(60) Hz • Electric motor power 550 W • Thermal protection at 120°C built into motor winding • Operating ambient temperature -20°C +55°C • Protection class IP 44 • Lever operated release device with coded key • Inductive limit-switch • Lower and upper half-body in die-cast aluminium with cataphoresis treatment • Twin-disk clutch in oil-bath - Anti-crushing safety to UNI 8612 standard • Opening/closing force adjustable by hexagonal key • Galvanised foundation plate with side and height adjustment (optional) • Dimensions (L x W x H) 280 x 191 x 385 (mm) • Cover in ABS with triangular key

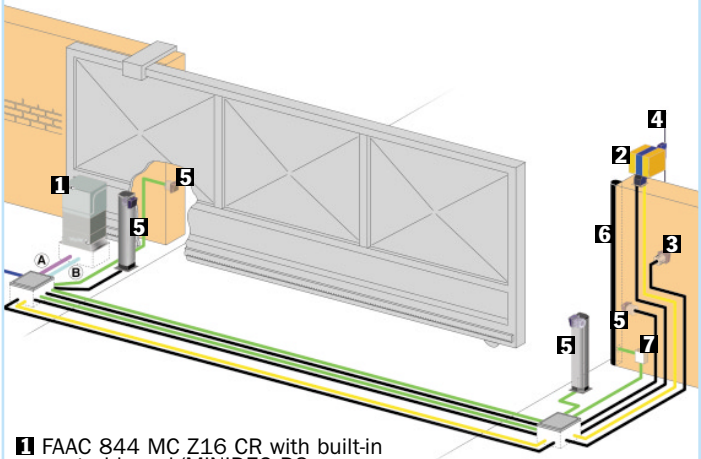
844 MPS-R control board

Control board with limit-switch inputs for controlling gearmotors for sliding gates • Electric motor power supply 230 V (+6% -10%) - 50(60) Hz • Control of 12 Vac electric lock • Motor maximum load 650 W • 24 Vdc - 500 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 • Inputs status signalling LEDs • Programming Dip Switches • Braking control trimmer • Automatic (A1-S1-S2) and semi-automatic (E1) function logics • Two logics for safety devices (Dip Switches) • Pause times in selection range of 5 s to 180 s (Dip Switches) • Selectable 5 s pre-flashing (Dip Switch) • Safety timer 255 s • Inputs: closing safety devices, stop push-button, total opening push-button, limit-switch • Outputs: power supply for accessories, motor, electric lock, flashing lamp and indicator-light



Model	Use	
	Max weight (kg)	Use frequency (%)
844 MC-R	1.000	30

INSTALLATION DIAGRAM SPECIMEN



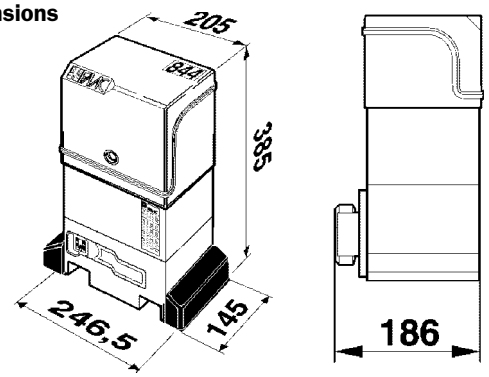
1 FAAC 844 MC Z16 CR with built-in control board/MINIDEC DS
2 FAAC MINILAMP
3 FAAC T10
4 FAAC PLUS 433 E
5 FAAC FOTOSWITCH
6 SAFETY EDGE
7 JUNCTION BOX with pressure switches

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

N.B.: Cable diameters in mm²

Technical specifications	844 REVERSIBLE
Power supply	230 V~ (+6% -10%) 50 (60) Hz
Absorbed power	550W
Absorbed current	2,5 A
Traction and thrust force	0÷68 daN (Z12)
Motor rotation speed	750 rpm
Reduction ratio	3:29
Operating ambient temperature	-20°C +55°C
Weight with oil	15 kg
Protection class	IP 44
Type of oil	FAAC oil XD 220
Gate speed	11,6 m/min. (Z16)
Thermal protection on motor winding	140°C
Limit-switch	Inductive with plate
Clutch	Twin disk in oil-bath
Protective treatment	Cataphoresis

Dimensions



Values in mm

Specifications of 844 MPS-R control board	
Power supply	230 Vac (+6% -10%) 50 (60) Hz
Motor maximum load	650 W
Accessories output	24 Vdc/24 Vac 500 mA max
Operating ambient temperature	-20°C +55°C
Power supply to electric lock	12 Vac (5W max)
Three protection fuses	250 mA transformer, 5 A motor,1,6 A accessories
Safety timer	255 sec.
Motor braking	Trimmer adjustable

- **Inputs** - Open, stop, closing safety devices, limit-switch
- **Outputs** - Electric lock, flashing lamp, motor, 24 Vdc/24 Vac power supply for accessories
- **Programming**
  - Pause time (5/10/15/30/60/120/180 sec.), logic (automatic A1/S1/S2 - semi-automatic E1), pre-flashing.