

# Falcon M14 - M20



Gearmotor body in aluminium painted with polyester powders and protective housing in ABS

Magnetic limit switch entirely protected

## GEARMOTOR FOR SLIDING GATES

- Available version: 230V for gates up to 1400 - 2000 Kg
- Optional Encoder installation for obstacle detection
- Sturdy inner kinematic mechanism made of a bronze crown and steel worm-screw
- Magnetic Limit Switches
- Electronic Control Board with Transparent plastic Enclosure and external programming buttons
- Rotating Panel for easier programming
- Gearmotor body painted with polyester powder.
- User friendly release system protected by personalized key.

Code	Name	Version	Voltage	Leaf Weight	Use
6110002	Falcon M14 C	Non-reversible - integrated Sprint 382	230V	1400 kg	Industrial
6110022	Falcon M20 C	Non-reversible - integrated Sprint 382	230V	2000 kg	Industrial

## OPERATOR DIMENSIONS

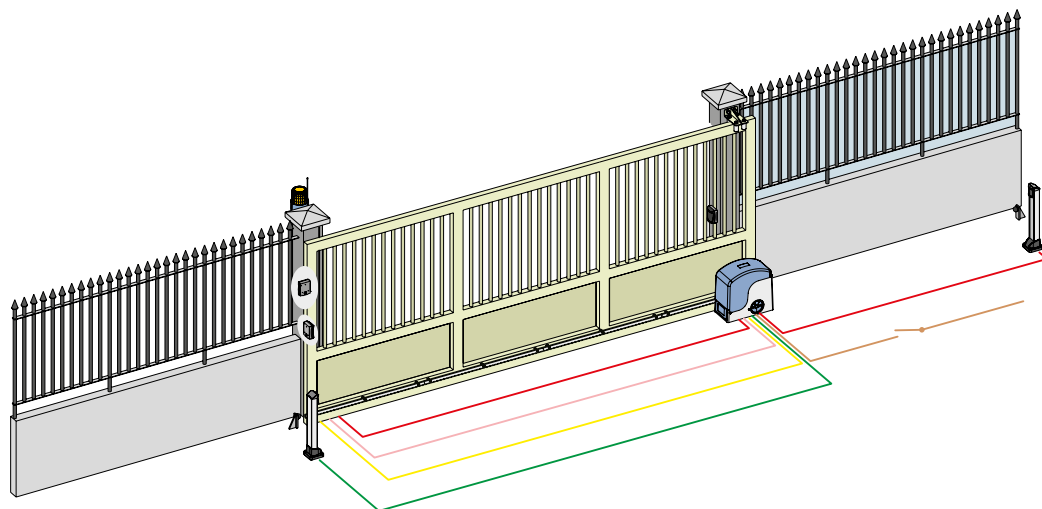


Technical Specifications	Falcon M14	Falcon M20
Power supply (V)	230	
Electric motor (V)	230	
Nominal power (W)	650	800
Current (A)	2.80	3.5
Thermal Protection (°C)	140	
Capacitor (µF)	16	20
Max. torque (Nm)	35	45
Thrust on pinion (daN)	110	150
Type of pinion gear	Z16 mod. 4	
Angular speed (m./min.)	10	
Frequency of use at 20 °C	S3 - 40%	
Operating ambient temperature (°C)	-20 +55	
Protection class	IP44	
Weight (kg)	14	15

## CONTROL BOARDS

Sprint 382  
Geo 05

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- Line . . . . .3x1,5 mm<sup>2</sup>
- Flashing lamp . . . . .2x1,5 mm<sup>2</sup>
- Selector . . . . .2x0,5 mm<sup>2</sup>
- TX photocells . . . . .2x0,5 mm<sup>2</sup>
- RX photocells . . . . .4x0,5 mm<sup>2</sup>

**TYPICAL INSTALLATION EXAMPLE**

Q.ty	Material description	Part number
1	FALCON M14C Gearmotor with incorporated control board and foundation plate	6110002
4 m	Galvanised Rack 30x12 with weld-on fittings	JA146
1	5-PIN one-channel receiver 868 MHz	JA335
1	Four-Channel Transmitter KILO TX2 JLC	6100332
1	230V GUARD Flashing Lamp	6100052
1	VEGA Photocells	6100147
1	QUICK 1 key-operated selector for outdoor use	JA31101-15

**Material to add in order to get the configuration as per Wiring Diagram**

Q.ty	Description	Part number
1	Pair of ORION photocells	JA310
2	Column for photocell	JA325
2	Foundation plate for column	JA328

**ACCESSORIES**



**RACK**  
1 m. in galvanized iron 30 x 12 mm<sup>2</sup>.

Code **JA146**



**SPACERS**  
Kit of 3 spacers and M8x30 screw-on fastening screws for 1 meters of iron rack<sup>2</sup>

Code **JA147**



**SPACERS**  
Kit of 3 spacers and M8x50 screw-on fastening screws for 1 meters of iron rack<sup>2</sup>

Code **JA148**



**ENCODER**  
Grants a more precise motor control and enables a reactive reverse on obstacle

Code **6100013**

1 - 6 m package.  
2 - 6 kits package.