

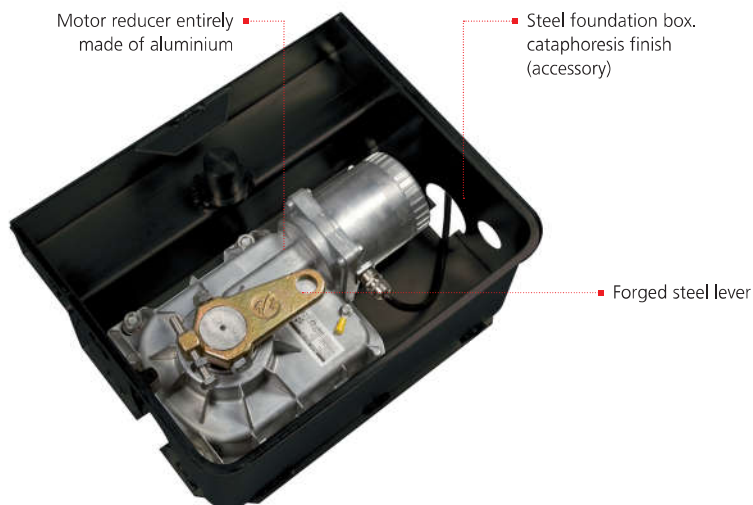


vulcan

Irreversible electromechanical motor reducer for underground installation

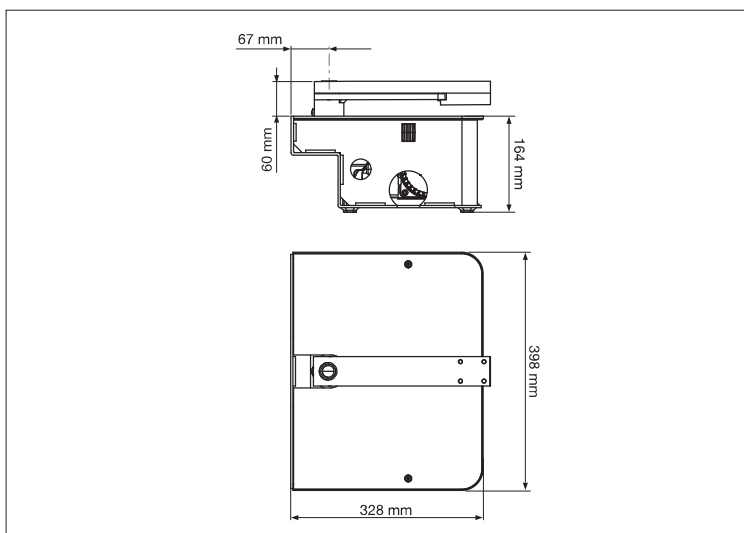
for swing gates with leaves up to 3.5 m in length

Available in two versions: **24V** and **230V**



PLUS

- Sealed motor reducer
- Opening up to 110° with the levers supplied
- Opening up to 360° with the accessory lever (162218)
- 24V version with built-in encoder
- The special mounting holes allow Vulcan motors to be installed inside numerous existing models of foundation boxes
- Adjustable opening and closing mechanical stop



TECHNICAL FEATURES

Description	230V for leaves up to 3.5 m (cable length 2 m)	230V for leaves up to 3.5 m (cable length 7 m)	230V for leaves up to 3.5 m (slow model)	24V for leaves up to 3.5 m (cable length 2 m)
MODEL	VULCAN-230V	VULCAN-230V-7M	VULCAN-230V-S	VULCAN-24V
CODE	22F003	22F008	22F010	22F005
Maximum leaf length (m)	3,5	3,5	3,5	3,5
Maximum leaf weight (Kg)	800	800	800	600
Power supply (Vac - Hz)	230 - 50	230 - 50	230 - 50	24 Vdc
Full load current (A)	2.4	2.4	2	15
Maximum electric power (W)	550	550	460	-
Opening time of the leaf 0 ÷ 90° (s)	17	17	26	15 - 25
Maximum torque (Nm)	320	320	300	320
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	67	67	67	67
Duty cycle (%)	30	30	30	80
Motor weight (Kg)	11	11	11	11.5

CONTROL UNITS TO BE USED

M
230V



M
230V



M
230V



CITY1-EVO

Digital control unit for 230V motors

FLEXY2

Analogue control unit for 230V motors

CITY11

Analogue control unit for 230V motors
Output for 12V electrolock

M
24V



CITY2+

Digital control unit for 24V motors

ACCESSORIES



162249

Cataphoresis-finished steel foundation box with 110° opening and release levers

162251

Stainless steel foundation box with 110° opening and release levers

162218

Lever unit for opening >110° + release lever

162215

Encoder

ACC009

Warning sign



vulcan kit

Installation kit for swing gates
with leaves up to 3.5 m long

Available with 24V and 230V motors

COMPOSITION



1
Irreversible electromechanical motor reducer + foundation box



2 CITY1-EVO
Digital control unit for 230V motors



2 CITY2+
Digital control unit for 24V motors



3 PHOX2
433.92MHz rolling code transmitter



4 MR2
Plug-in module receiver



5 SENSIVA-XS
Miniaturized wall-mounted and pillar-mounted photocells

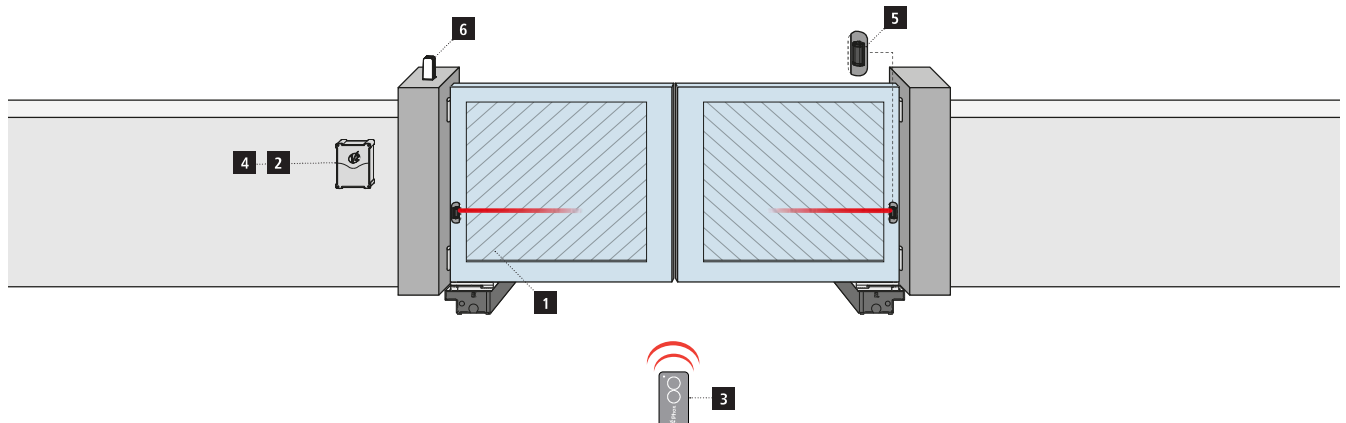


6 LUMOS-M
Led flashing light



7 ACC009
Warning sign

ASSEMBLY DIAGRAM



To complete the installation with other additional accessories refer to the example system at the beginning of the section



TECHNICAL FEATURES

Description	230V for leaves up to 3.5 m	24V for leaves up to 3.5 m
MODEL	VULCAN-230V	VULCAN-24V
CODE	22F003	22F005
Maximum leaf length (m)	3.5	3.5
Maximum leaf weight (Kg)	800	600
Power supply (Vac - Hz)	230 - 50	24 Vdc
Full load current (A)	2.4	15
Maximum electric power (W)	550	-
Opening time of the leaf 0 ÷ 90° (s)	17	15 - 25
Maximum torque (Nm)	320	320
Working temperature (°C)	-20 ÷ +55	-20 ÷ +55
Protection degree (IP)	67	67
Duty cycle (%)	30	80
Motor weight (Kg)	11	11.5

vulcan kit

Selection guide

	Kit MODEL ▼	 CONTROL UNIT	 PHOX2	 MR2	 SENSIVA-XS	 LUMOS-M	 ACC009	Kit CODE ▼
230V	Kit Light-E VULCAN-230V	CITY1-EVO	■ ■	■				29G015
	Kit Full-E VULCAN-230V	CITY1-EVO	■ ■	■	■	■	■	29G016
24V	Kit Light VULCAN-24V	CITY2+	■ ■	■				29G011
	Kit Full VULCAN-24V	CITY2+	■ ■	■	■	■	■	29G012