

INSIDE AUTOMATION FOR SLIDING GATES

CARDIN INSIDE
SLAVE AUTOMATION 24V



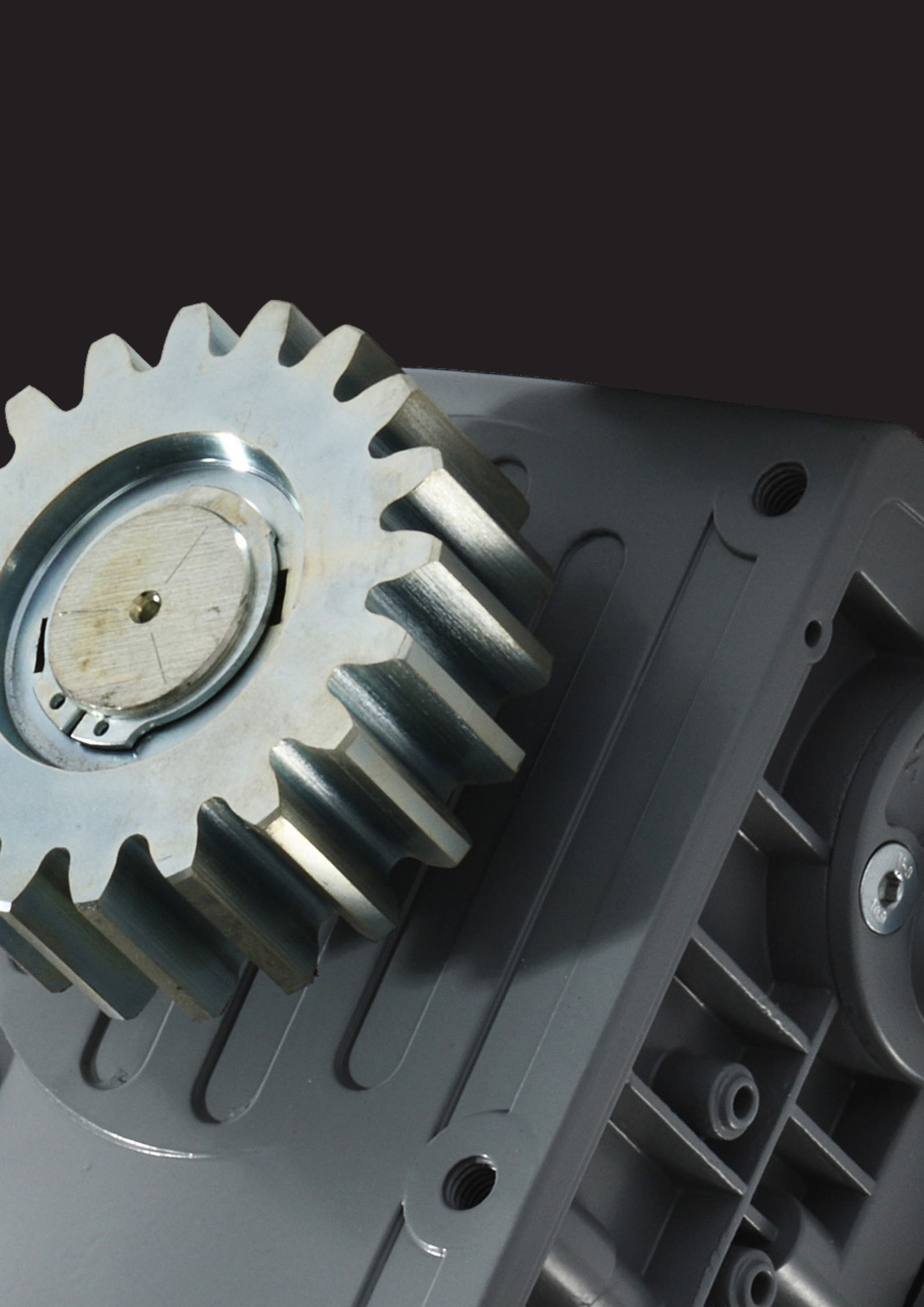
48

CARDIN KIT SLi
SLAVE AUTOMATION 24V



52





INSIDE AUTOMATION FOR SLIDING GATES



CARDIN INSIDE SERIES SLi

Cardin inside identifies a line of products dedicated to the manufacturers of mass produced industrial gates and doors. Integrating the automation device into the structure of the gate or door allows you to complete the automatic door while still in the factory, thus allowing the manufacturer to supply a complete product that has already been tested and complies with the machine directive.

The electromechanical geared motor has been designed to guarantee maximum adaptability when being inserted into the support column of a gate and is fitted with all the fastenings required for every type of solution.

A double-reduction kinetics system immersed in permanently fluid grease works side by side with an efficient low-voltage motor that allows the system to obtain the maximum levels of performance whilst maintaining absolute operating silence when the unit is working.

The emergency manoeuvre (release system) is carried out by means of an efficient manual release system integrated into the geared motor.

The innovative DRACO system permits the gate's movement to be accompanied with total security and features a "variable speed function" which can be adjusted according to the different installation requirements up to a maximum speed of 30m per minute.

The electronic components are housed in a shockproof plastic container IP55 and the appliance is factory fitted with a multi-decoding module (system S449 - S486 - S504 - S508), a battery charger and NiMH batteries which allow the gate to be manoeuvred even during blackouts.

Compatible with the INTPRG-3G/WF system that allows the monitoring and programming of system parameters from remote positions.

A slave motor, connected via cable with the Cardin MODCA slot-in modules inserted, can be installed to drive two biparting sliding gates.

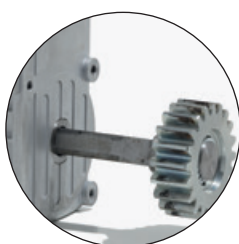


The automation, available in four versions with different motor power levels automation is suitable for driving sliding gates with up to a maximum weight of 2000kg.

Compatible with the data exchange system between digital devices (smartphone, tablet, etc.) and the Cardin multifunctional control units.



See section 24V ECU INTERFACE DEVICES on page 178



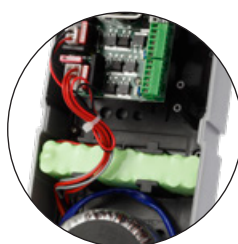
EXTRACTABLE PINION



LEVER ACTIVATED MANUAL RELEASE SYSTEM (SLi24DRACO)



ENCODER CONTROL



BATTERY CHARGER AND NIMH BATTERIES



SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY



CARDIN INSIDE SERIES SLi

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.

For gates up to 300kg.

Drag speed max. 10,5 m/min.

SLi324
**300
kg**


ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

The electronic programmer is factory fitted with a graphic LCD display (16 digits x 2 lines) in six different languages that monitors the programming stages, counts and displays the number of manoeuvres carried out by the machine and allows you to rapidly set the system parameters including: the sequential button mode, automatic reclosing, warning lamp pre-flashing, flashing warning lamp activation, indicator light and photoelectric cell function setting and transmitter code management etc.

CC824EINTCB


ELECTRONIC PROGRAMMER FOR ONE MOTOR

Version without batteries or battery charger.

CC824EINT

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.

For gates up to 700kg.

Drag speed max. 11 m/min.

SLi724
**700
kg**


SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.

For gates up to 1000kg.

Drag speed max. 11 m/min.

SLi1024
**1000
kg**


ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to counts and display the number of manoeuvres carried out by the machine and to rapidly set the system parameters. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display). The events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel.



ELECTRONIC PROGRAMMER FOR SLi724

Version with batteries and a battery charger.

CC924EFAMCBS

ELECTRONIC PROGRAMMER FOR SLi724

Version without batteries or a battery charger.

CC924EFAMS

ELECTRONIC PROGRAMMER FOR SLi1024

Version with batteries and a battery charger.

CC924EFAMCB

ELECTRONIC PROGRAMMER FOR SLi1024

Version without batteries or a battery charger.

CC924EFAM


CARDIN INSIDE SERIES SLi



SELF-LOCKING ELECTROMECHANICAL RAPID-ACTION INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 2000kg.

ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508.

Enhanced programmer (400W) with thermal protection and cooling fan.

The electronic programmer is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages. The menu allows you to counts and display the number of manoeuvres carried out by the machine and to rapidly set the system parameters. The electronics card, thanks to the presence of the real-time clock, allows you to set 10 events (shown on the display). The events can be enabled or disabled (during holiday periods) either from the menu or by means of a radio channel.

ELECTRONIC PROGRAMMER FOR SLi24DRACO
batteries and battery charger to be ordered separately.



SLi24DRACO



(Adjustable drag speed up to 30 m/min.)

SLi24DRACO2



(Adjustable drag speed up to 22 m/min.)



CCDRACO24E

KIT BATTERY CHARGER + NiMH BATTERIES

Allows the programmers CC824EINT, CC924EFAMS and CC924EFAM to work during blackouts.

KIT BATTERY CHARGER + NiMH BATTERIES

Allows the programmer CCDRACO24E to work during blackouts.

KBNIMH-1



KBNIMH-D



7-WIRE SPECIAL CONNECTING CABLE (2m)

for SLi324, SLi724 and SLi1024

CABPC2



7-WIRE SPECIAL CONNECTING CABLE (2m)

for SLi24DRACO

CABPC2D



DATA INTERFACE MODULE VIA CABLE

The module allows the exchange of information between the motor's electronic control unit and the Cardin 3G/WF interface and also allows you to connect two motors via cable in order to use the synchronised master/slave function.

MODCA



BLUETOOTH MODULE

The module allows the exchange of information between the motor's electronic control unit and the Cardin 3G/WF interface via Bluetooth or directly between the control units and the apps CRD ONE and CRD TWO.

MODBT





CARDIN INSIDE

SERIES SLi

MOTOR SPECIFICATIONS

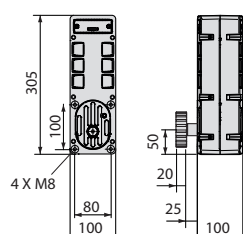
		SLi324	SLi724	SLi1024	SLi24DRACO/2
Motor power supply	Vdc	24	24	24	24
Electrical input	A	6,5	6,5	8,5	10
Power input	W	150	160	200	250
Duty cycle	%	70	70	70	50
Drag speed	m/min	10,5	11	11	30 / 22
Maximum gate weight	kg	300	700	1000	1000 / 2000
Operating temperature range	°C	-20°...+55	-20°...+55	-20°...+55	-20°...+55
Protection grade	IP	44	44	44	44

ECU CHARACTERISTICS

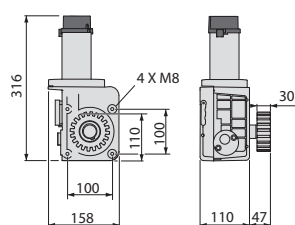
Power supply	Vac	230	230	230	230
Nominal electrical input	A	1,2	1,2	1,2	1,7
Maximum power yield	W	250	250	250	380
Protection grade	IP	55	55	55	55
Class II device	Cls				

BUILT-IN RECEIVER CARD

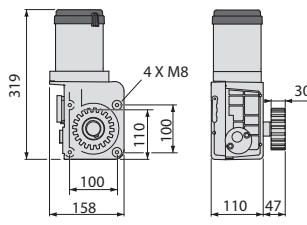
Reception frequency	MHz	433.92 / 868,3	433.92 / 868,3	433.92 / 868,3	433.92 / 868,3
Number of channels / number of functions	No	4 / 6	4 / 8	4 / 8	4 / 8
Number of stored codes	No	300 / 1000	300 / 1000	300 / 1000	300 / 1000



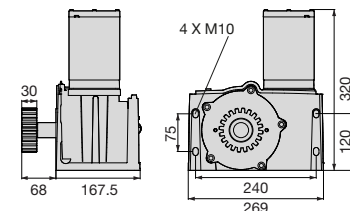
SLi324



SLi724



SLi1024



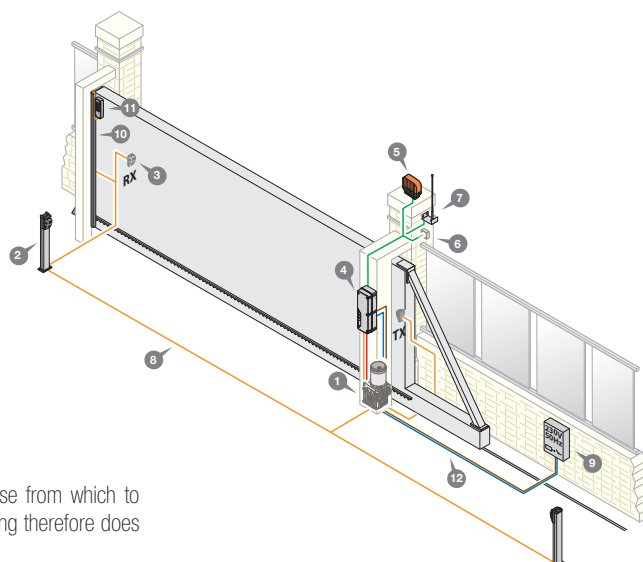
SLi24DRACO/2

INSTALLATION EXAMPLE

LEGEND

- 1 Geared motor
- 2 Internal photocells
- 3 External photocells
- 4 Electronic programmer
- 5 Warning lights
- 6 Mechanical selector switch
- 7 External aerial
- 8 Channelling route for low voltage wires
- 9 All pole circuit breaker
- 10 Safety edge
- 11 Radioshield
- 12 Mains cable 230Vac

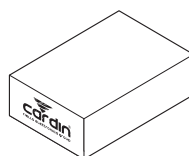
Attention: The drawing is purely indicative and is supplied as a working base from which to choose the Cardin electronic components making up the installation. This drawing therefore does not lay down any obligations regarding the execution of the installation.



INSIDE KITS FOR SLIDING GATES



KT-SLi324CB



PACKING
DIMENSIONS: 240 x 360 x 150
GROSS WEIGHT: 9 kg
ITEMS PER PALLET: 36 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 300kg.

SLi324



(drag speed max. 10,5 m/min)



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

CC824EINTCB

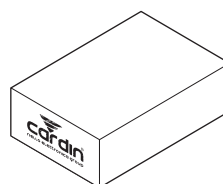


7-WIRE SPECIAL CONNECTING CABLE (2m)

CABPC2



KT-SLi724CB



PACKING
DIMENSIONS: 365 x 500 x 170
GROSS WEIGHT: 12,7 kg
ITEMS PER PALLET: 24 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 700kg.

SLi724



(drag speed max. 11 m/min)



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

CC924EFAMCBS



7-WIRE SPECIAL CONNECTING CABLE (2m)

CABPC2



INSIDE KITS FOR SLIDING GATES



KT-SLi1024CB



PACKING
DIMENSIONS: 365 x 500 x 170
GROSS WEIGHT: 14,1 kg
ITEMS PER PALLET: 24 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
For gates up to 1000kg.

SLi1024



(drag speed max. 11 m/min)



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508;
- battery charger and NiMH batteries.

CC924EFAMCB



128
PIX

7-WIRE SPECIAL CONNECTING CABLE (2m)

CABPC2



KT-SLi24DRACO/2



PACKING
DIMENSIONS: 310 x 465 x 310
GROSS WEIGHT: 20kg
ITEMS PER PALLET: 18 pcs

SELF-LOCKING ELECTROMECHANICAL INSIDE OPERATOR

with a 24Vdc encoder-controlled motor.
Adjustable speed up to 30m per minute (22m SLi24DRACO2).
For gates up to 1000kg (2000kg SLi24DRACO2).

SLi24DRACO/2



2000
kg



(adjustable drag speed up to 30 m/min)



ELECTRONIC PROGRAMMER FOR ONE MOTOR

including:

- 433MHz FM receiver;
- multi-decoding module S449-S486-S504-S508.

CCDRACO24E



128
PIX



7-WIRE SPECIAL CONNECTING CABLE (2m)

CABPC2D

