

DUKE

IRREVERSIBLE OPERATOR FOR LEAF GATES



Operatore Operateur Operator Torantrieb Operador	Alimentazione Alimentation Power Supply Stromspannung Alimentacion	Peso max cancello Poids maxi portail Max gate weight Max Torgewicht Peso máx verja	Coppia max Couple maxi Max torque Max. Drehmoment Coppia max	codice code code code codigo
DUKE 110°	230V 50/60Hz	800 kg / 1760 lbs per anta 2 m / pour vantail 2 m / for 2 m leaf / für Flügel 2 m / para puerta 2 m	Nm 330	AA10975
DUKE 180°	230V 50/60Hz	800 kg / 1760 lbs per anta 2 m / pour vantail 2 m / for 2 m leaf / für Flügel 2 m / para puerta 2 m	Nm 330	AA10985



- ATTENTION -

**FOR THE SAFETY OF THE PEOPLE IT IS IMPORTANT
TO FOLLOW ALL THE INSTRUCTIONS.**

FOLLOW ALL INSTALLATION INSTRUCTIONS

- 1° - **This handbook is exclusively addressed to the specialized personnel** who knows the constructive criteria and the protection devices against the accidents for motorized gates, doors and main doors (follow the standards and the laws in force).
- 2° - The installer will have to issue to the final user a handbook in accordance with the EN 12635.
- 3° - Before proceeding with the installation, the installer must forecast the risks analysis of the final automatized closing and the safety of the identified dangerous points (following the standards EN 12453/EN 12445).
- 4° - The wiring harness of the different electric components external to the operator (for example photoelectric cells, flashlights etc.) must be carried out according to the EN 60204-1 and the modifications to it done in the point 5.2.2 of the EN 12453.
- 5° - The possible assembly of a keyboard for the manual control of the movement must be done by positioning the keyboard so that the person operating it does not find himself in a dangerous position; moreover, the risk of accidental activation of the buttons must be reduced.
- 6° - Keep the automatism controls (push-button panel, remote control etc.) out of the children way. The controls must be placed at a minimum height of 1,5 m from the ground and outside the range of the mobile parts.
- 7° - Before carrying out any installation, regulation or maintenance operation of the system, take off the voltage by operating on the special magnetothermic switch connected upstream it.

THE RIB COMPANY DOES NOT ACCEPT ANY RESPONSIBILITY for possible damages caused by the non observance during the installation of the safety standards and of the laws in force at present.

KEEP THESE INSTRUCTIONS WITH CARE

- 1° - Install a thermal magnetic switch (omnipolar, with a minimum contact opening of 3 mm) before the control board, in case this is not provided with it. The switch shall be guaranteed by a mark of compliance with international standards. Such a device must be protected against accidental closing (e.g. Installing it inside the control panel key locked container).
- 2° - As far as the cable section and the cable kind are concerned, RIB suggests to use an H05RN-F cable, with a minimum section of 1,5mm², and to follow, In any case, the IEC 364 standard and Installation regulations In force In your Country.
- 3° - Positioning of an eventual pair of photocells: The beam of the photocells must be at an height not above the 70 cm from the ground, and, should not be more than 20 cm away from the axis of operation of the gate (Sliding track for sliding gate or door, and the hinges for the swing gate). In accordance with the point 7.2.1 of EN 12445 their correct functioning must be checked once the whole installation has been completed.
- 4° - In order to comply with the limits defined by the EN 12453 norm, if the peak force is higher than the limit of 400N set by the norm, it is necessary to use an active obstacle detection system on the whole height of the gate (up to a maximum of 2,5 m) - The photocells in this case must be apply externally between the columns and internally for all the race of the mobil part every 60÷70 cm for all the height of the column of the gate up to a maximum of 2,5 m (EN 12445 point 7.3.2.1). example: column height 2,2 m => 6 copies of photocells - 3 internal and 3 external (better if complete of synchronism feature - FIT SYNCRO with TX SYNCRO).

N.B.: The system must be grounded

Data described by this manual are only Indicative and RIB reserves to modify them at any time. Install the system complying with current standards and regulations.

- ACHTUNG -

**FÜR DIE SICHERHEIT DER PERSONEN IST ES WICHTIG,
DASS ALLE ANWEISUNGEN GENAU AUSGEFÜHRT WERDEN**

ALLE INSTALLATIONSANLEITUNGEN BEFOLGEN

- 1° - **Diese Betriebsanleitung dient ausschließlich dem Fachpersonal**, welche die Konstruktionskriterien und die Sicherheits-Vorschriften gegen Unfälle für Tore, Türen und automatische Tore kennt (geltende Normen und Gesetze beachten und befolgen).
- 2° - Der Monteur muss dem Endkunde eine Betriebsanleitung in Übereinkunft der EN12635 überreichen.
- 3° - Vor der Installierung muss für die automatische Schließung und zur Sicherheitsgewährung der identifizierten kritischen Punkte, eine Risiko Analyse vorgenommen werden mit der entsprechenden Behebung der identifizierten, gefährlichen Punkte. (die Normen EN 12453/EN 12445 befolgend).
- 4° - Die Verkabelung der verschiedenen externen elektrischen Komponenten zum Operator (z.B. Fotozellen, Blinker etc.) muss nach EN 60204-1 ausgeführt werden, Änderungen davon nach Punkt 5.2.2 der EN 12453.
- 5° - Die eventuelle Montage einer Schalttafel für den manuellen Bewegungsbefehl muss so angebracht werden, dass der Benutzer sich nicht in einer Gefahrenzone befindet, und dass, das Risiko einer zufälligen nicht gewollten Aktivierung von Schaltern gering ist.
- 6° - Alle Steuerungselemente (Schalttafel, Fernbedienung etc.) gehören nicht in Reichweite von Kindern. Die Kommandos müssen min. 1,5 m ab Boden und außerhalb des Aktionsbereiches der mobilen Teile angebracht werden.
- 7° - Vor jeglichem Eingriff, sei es Installation, Regulation oder Wartung der Anlage, muss vorher die Stromzufuhr unterbrochen werden, den dafür bestimmten Magnetthermo-Schalter drücken, der am Eingang der Anlage installiert ist.

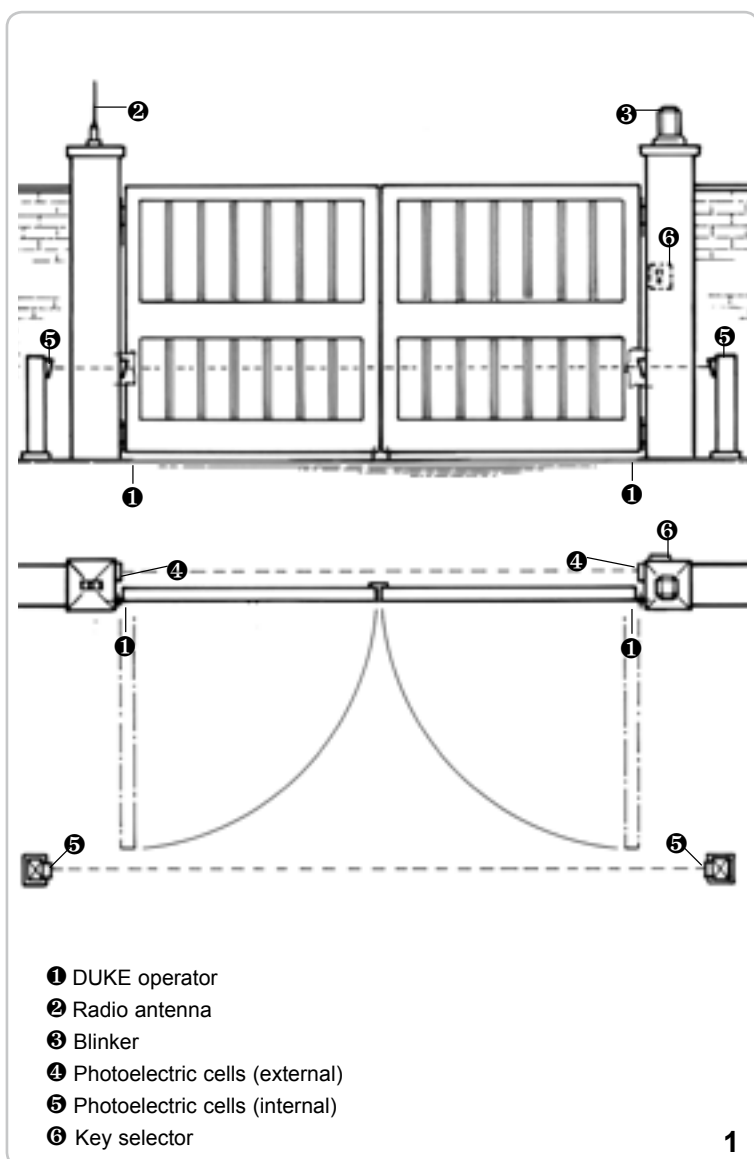
DIE FIRMA RIB ÜBERNIMMT KEINE VERANTWORTUNG für eventuelle Schäden, die entstehen können, wenn die Installationsvorschriften die den gültigen Sicherheitsnormen entsprechen, nicht eingehalten werden.

INSTALLATIONSVORSCHRIFTEN BEACHTET WERDEN

- 1° - Wenn nicht bereits an der elektrischen Schaltzentrale vorgesehen, muss vor der Schaltzentrale ein thermomagnetischer Schalter installiert werden (omnipolar, mit einer minimalen Kontaktöffnung von 3 mm), der ein von den internationalen Normen anerkanntes Konformitätszeichen besitzt. Solch ein Gerät muss vor Vandalismus geschützt werden (z.B. mit einem Schlüsselschalter in einem Panzergehäuse).
- 2° - RIB empfiehlt den Kabeltyp H05RN-F mit einem minimalen Querschnitt von 1,5 mm² generell sollten die Normative IEC 364 und alle anderen geltenden Montagenormen des Bestimmungslandes eingehalten werden.
- 3° - Position des ersten paar Fotozellen: Der sollten nicht höher als 70cm vom Boden sein, und sollte nicht mehr als 20 cm entfernt von der Achse des Tores sitzen (das gilt für Schiebe- und Drehtore). In Übereinstimmung mit dem Punkt 7.2.1 der EN 12445 Norm, ihr korrektes Funktionieren muß einmal überprüft werden.
- 4° - In Einklang mit der Norm EN12453, ist es bei Toren notwendig eine komplette Sicherheitsleiste zu installieren, bei denen mehr als 400N Kraft aufgewandt werden müssen, um das Tor zum anhalten zu bringen (Maximum von 2,5 m anwenden) - Die Fotozellen müssen in diesem Fall sein beantragen außen zwischen den columns und innerlich das ganze Rennen des mobil Teils jede 60÷70 cm für die ganze Höhe der Spalte des Gatters bis zu einem Maximum von 2,5 m - EN 12445 Punkt 7.3.2.1). Beispiel: Spalte Höhe 2,2 m => 6 Kopien von Fotozellen - 3 intern und 3 extern (besser, wenn komplett von der synchronism Eigenschaft - FIT SYNCRO mit TX SYNCRO).

ANMERKUNG: Die Erdung der Anlage ist obligatorisch

Die in diesem Handbuch aufgeführten Daten sind ausschließlich empfohlene Werte. RIB behält sich das Recht vor, das Produkt zu jedem Zeitpunkt zu modifizieren. Die Anlage muss in Übereinstimmung mit den gültigen Normen und Gesetzen montiert werden.



TECHNICAL FEATURES

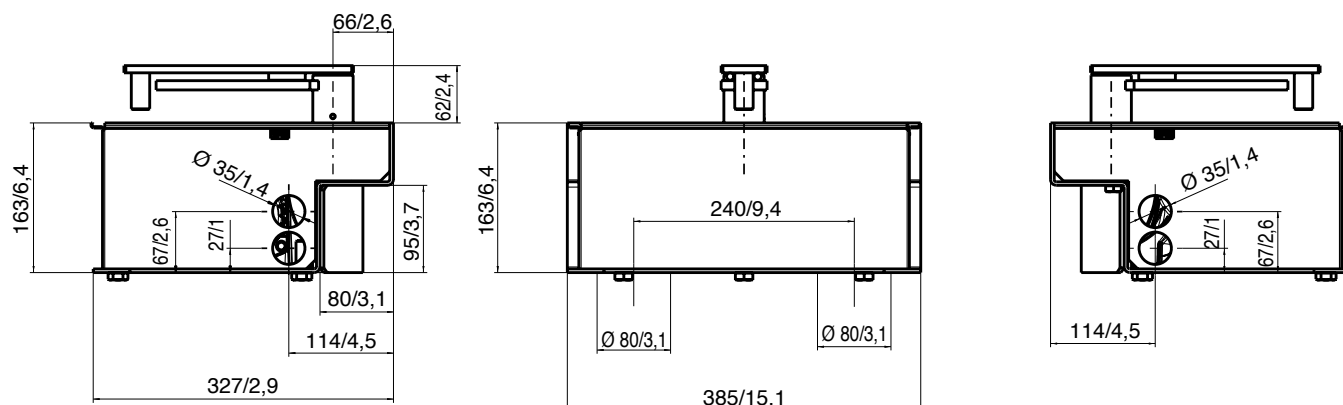
The **DUKE** is an irreversible operator complete with mechanical limit switches and a trafficable cover.

DUKE 110° varying the speed of the opening and closing movements (opening movement initially slow, then fast; closing movement initially fast, then slow immediately before shutting). The **DUKE** functions as a load-bearing centre hinge, designed in such a way that the motor can be removed for servicing purposes without taking down the gate.

The **DUKE** will comfortably operate gates and doors up to 800 kg in weight and 2 metres in length.

TECHNICAL DATA	DUKE	
	110°	180°
Max. leaf length	m 3,5*	
Max. leaf weight	kg 800 (2 m) - kg 400 (3,5 m)	
Average opening time	s. 20	30
Max torque	Nm 330	
EEC Power supply	230V~ 50/60Hz	
Motor capacity	W 302	
Power absorbed	A 1,5	
Capacitor	μF 10	
Normative cycles	n° 8 - 20s/2s	6 - 30s/2s
EEC Power supply	120V~ 60Hz	
Motor capacity	W 319	
Power absorbed	A 3,7	
Capacitor	μF 35	
Normative cycles	n° 10 - 20s/2s	6 - 40s/2s
Lubrication	with grease	
Weight of operator + its foundation box	kg 21	35
Noise	db <70	
Volume	m³ 0,028	
Operating Temperature	°C -10 ÷ +55°C	
Protection	IP 67	

* For leaves longer than 2 m it is suggested fitting an electro-lock



Measurements in mm/inch

2

PRE-INSTALLATION CHECKS

The leaf must be fixed firmly on the hinges to the pillars, must not be flexible during the movement and must move without frictions. Before the installation of DUKE, verify all dimensions etc.

There's no need for any modification, if the gate is like that shown in Fig. 1.

Gate features must be uniformed with the standards and laws in force. The gate can be automated only if it is in a good condition and its conditions comply with the EN 12604 norm.

- The gate leaf does not have to have a pedestrian opening. In the opposite case it is necessary to take the appropriate steps, in accordance with EN 12453 norm (for instance; by preventing the operation of the motor when the pedestrian opening is opened, by installing a safety microswitch connected with the control panel).
- No mechanical stop shall be on top of the gate, since mechanical stops are not safe enough.

PREPARE THE CEMENTATION OF THE BOX

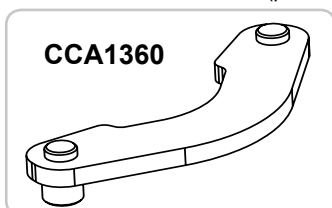
- Excavate a trench next to the pillar (Fig. 3).
- On the bottom of foundation box a 50 mm Ø pipe should be fitted to drain water. On one side of the box another pipe 32 mm Ø should be fitted. Pipe should be flexible, sturdy and insulated type, to let out electrical wiring (use holes on internal side of gate opening).

ENSURE THAT THE CABLE JOINTS ARE MADE inside a sealed junction box **OUTSIDE THE DUKE BOX** (The junction box can be built-in to the wall or surface mounted, positioned at a safe height and must comply with the relevant standards).

- Use a level to position the box so that the upper edge of the cover corresponds with the finished floor level.
- The centreline of the pintles must be perfectly in line with the centreline of the operating arm mounting shaft.
- **DUKE 110°: Cement in, taking care to ensure that cement does not fall into the box and checking that the short sides of the box are perfectly parallel to the gate when in the "CLOSED" position.**
- **DUKE 180°: Cement in, taking care to ensure that cement does not fall into the box and checking that the short sides of the box are perfectly perpendicular to the gate when in the "CLOSED" position.**
- Insert the bolts for cover fixing in places cut into the foundation box.

INSTALLING THE DUKE 110°

- Make sure that the pivot of foundation box is well greased. Lay down the ball (CVA1479) end insert drive rod CME5224 after fitting release system (picture 7).
- Fit gate bracket plate CME6987 through its pivot in the drive rod (picture 8).
- Place gate leaf between upper hinge and plate of gate bracket (**hinge and pivot of gate bracket plate should be perfectly aligned**).
- Weld carefully bracket plate on the leaf.
- Fit adjusting open position bolt **A** (picture 11) M10X30 and relevant nut.
- Fit Duke operator inside the foundation box (picture 4).
- Screw on pulling lever adjusting bolt M10X50 and relevant nut (picture 11).
- Fit joint lever CCA1360 (picture 4).
- **ATTENTION:** joint lever CCA1360 must be fitted as shown in picture 4. Should it be difficult to fit, operate electrically the reducer.



Parts to install meeting the EN 12453 standard

COMMAND TYPE	USE OF THE SHUTTER		
	Skilled persons (out of public area*)	Skilled persons (public area)	Unrestricted use
with manned operation	A	B	non possible
with visible impulses (e.g. sensor)	C or E	C or E	C and D, or E
with not visible impulses (e.g. remote control device)	C or E	C and D, or E	C and D, or E
automatic	C and D, or E	C and D, or E	C and D, or E

* a typical example are those shutters which do not have access to any public way

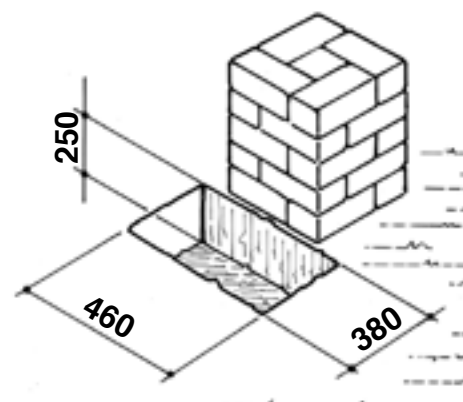
A: Command button with manned operation (that is, operating as long as activated), like code ACG2013

B: Key selector with manned operation, like code ACG1010

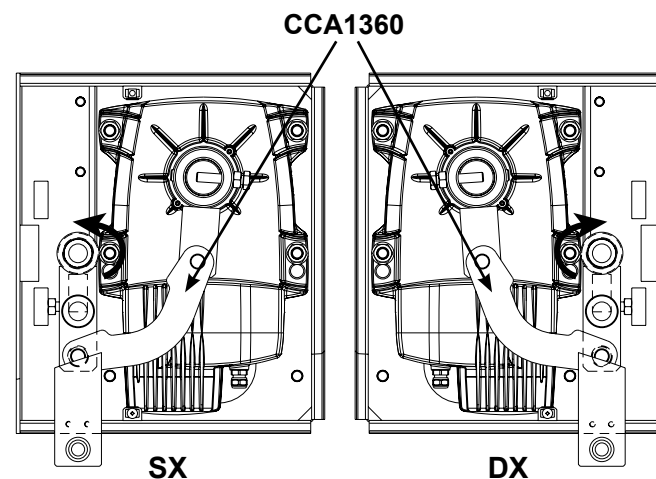
C: Adjustable power of the motor

D: Safety strips and/or other safety devices to keep thrust force within the limits of EN12453 regulation - Appendix A.

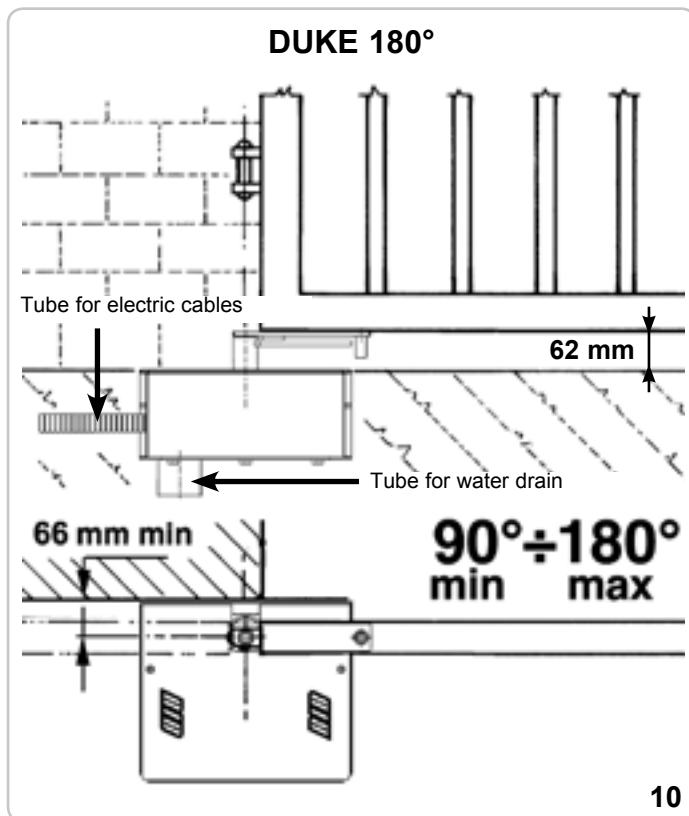
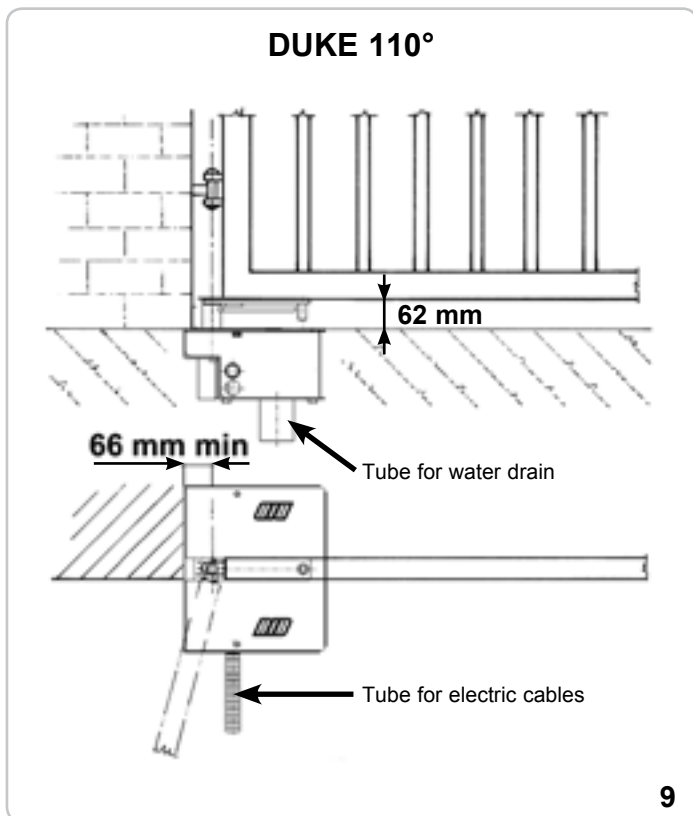
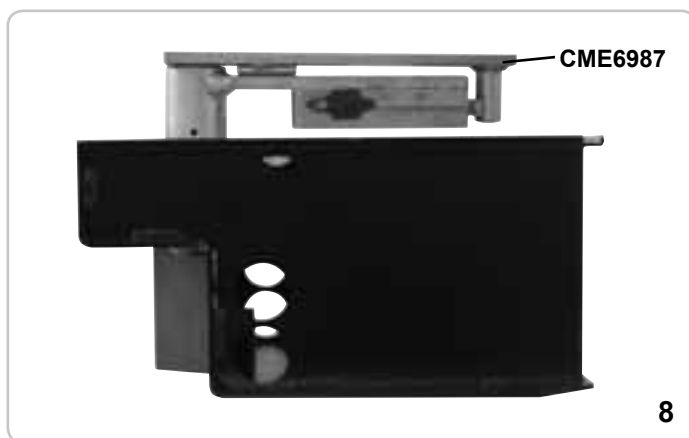
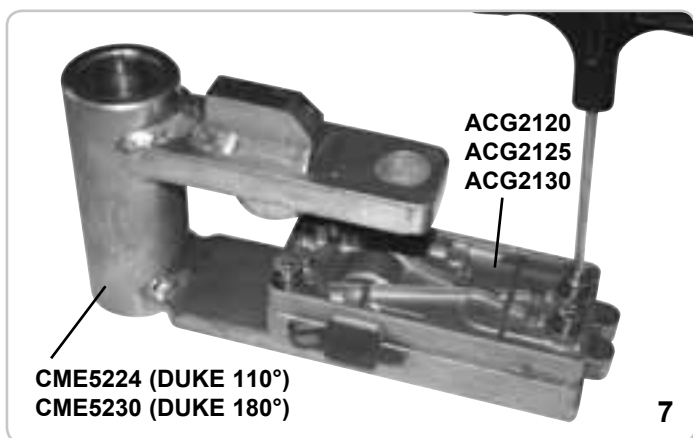
E: Photocells, like code ACG8026 (To apply every 60÷70cm for all the height of the column of the gate up to a maximum of 2,5m - EN 12445 point 7.3.2.1)



3



4



INSTALLING THE DUKE 180°

- Make sure that the pivot of foundation box is well greased. Lay down the ball (CVA1479) end insert drive rod CME5230 after fitting release system (picture 7).
- Fit gate bracket plate CME6987 through its pivot in the drive rod (picture 8).
- Place gate leaf between upper hinge and plate of gate bracket (hinge and pivot of gate bracket plate should be perfectly aligned).
- Weld carefully bracket plate on the leaf.
- Fit Duke operator inside foundation box (picture 12) by means of enclosed nuts M12 and washers on column side, while on opposite column side screw in "prolunghe" CME5228 and relevant washers DRL12X24 (refer to exploded view at last page). **ATTENTION:** Duke motor must be always placed as in picture 12 (motor on right side), no matter right or left side.
- Fit gearing plate by means of relevant nuts and washers M10.
- Insert bolt and nut for adjusting (A) (Picture 12).
- Insert gear train CME5226 into splined drive shaft, after fitting adjusting bolt B as in picture 12. **ATTENTION:** adjusting of opening travel must be done by adjusting bolt B, but amplitude is regulated by position of insertion of drive shaft. The wider the opening is needed the closer to stop 1 it must be inserted (for left side fitting), or stop 2 (for right side fitting).

ADJUSTMENT OF DUKE 110° MECHANICAL STOPPER

The DUKE system requires no floor stops or other accessories as the gate travel limit is determined by means of set screws located internally of the box.

Access to the screws is gained by lifting the cover.

- To adjust the travel limit for the opening movement of the gate, simply turn the screw (A) left or right as appropriate, then secure the lock nut to prevent the screw from slipping out of position subsequently (Fig. 11).

Same adjusting must be done also on bolt (C) for closing, in order to let the mechanism block again when unblocked.

IMPORTANT: Please make sure that the leaves stop against the mechanical stoppers inside the operator before they reached the ground mechanical stopper. In not adjusted, unblocking will be impossible.

ADJUSTMENT OF DUKE 180° MECHANICAL STOPPER

To adjust the travel limits to the required positions, simply turn the relative screws A and B left or right as appropriate, then secure the locks nuts to prevent the screws from slipping out of position subsequently (Fig. 12).

Before this adjustment is made, the angular position of the stop must be selected according to the maximum opening arc required:

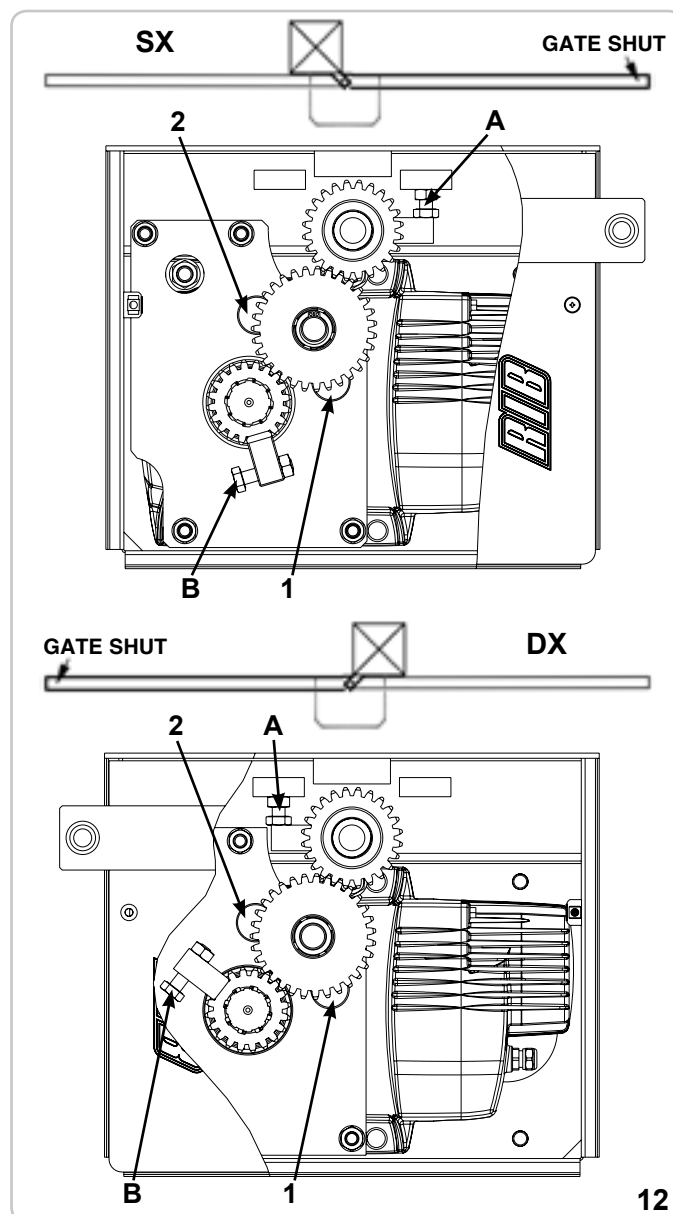
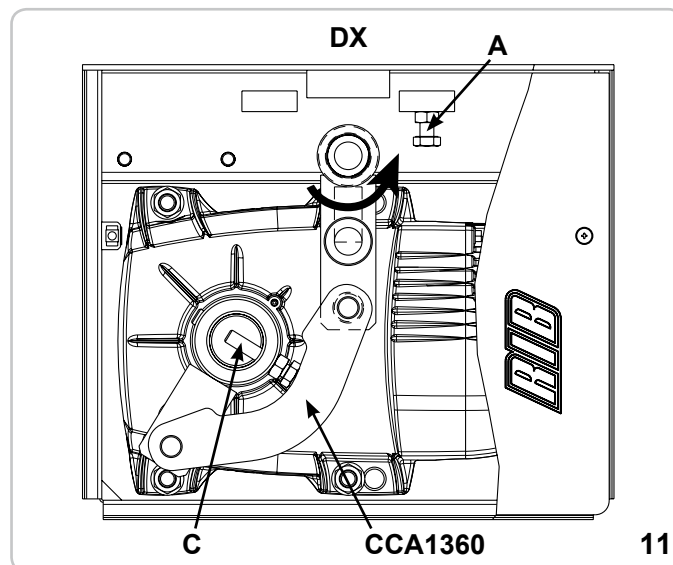
A = CLOSING STOP

Adjusting must be done in order to let the mechanism block again when unblocked.

B = OPENING STOP

ATTENTION: further to adjusting opening bolt, it is necessary to insert drive shaft approximately towards the stop where adjusting bolt will end (2 for left side and 1 for right side).

IMPORTANT: Please make sure that the leaves stop against the mechanical stoppers inside the operator before they reached the ground mechanical stopper. In not adjusted, unblocking will be impossible.



EMERGENCY RELEASE

To be carried out after having disconnected the power supply to the motor.

In order to carry out the manual operation of the gate leaf the followings must be checked:

- That the gate is endowed with appropriate handles;
- That these appropriate handles are placed so to avoid safety risks for the operator;
- That the physical effort necessary to move the gate leaf should not be higher than 225 N, for doors/gates for private dwellings, and, 390N for doors/gates for commercial and industrial sites (values indicated in 5.3.5 of the EN 12453 norm) .

In the case of a power cut, the gate can be opened manually by releasing the lock on the operating lever to allow the gate to move freely (Fig. 8).

IMPORTANT: Please make sure that the leaves stop against the mechanical stoppers inside the operator before they reached the ground mechanical stopper. In not adjusted, unblocking will be impossible.

SAFETY CLUTCH ADJUSTMENT

There is no mechanical safety clutch with the DUKE.

Therefore it is necessary to operate this operator with an electronic control panel fitted with an electronic force regulator.

Use the T2 (for one or two single-phase motors) electronic control unit.

ELECTRICAL SAFETY DEVICES

The installation must be installed according to the current regulations and laws. Use the T2 (for one or two single-phase motors) electronic control unit. For connections and technical data of accessories refer to the appropriate booklets.

MAINTENANCE

To be undertaken by specialized staff after disconnecting power supply.

Make certain that moving parts located inside the box are greased once a year, and check the force transmitted through the drive to the gate.

In the event that the need for servicing or repairs should arise, the speed reducer can be removed from the box without taking down the gate.

- Lift the cover from the box, isolate the motor from the power supply by disconnecting the cable, then remove the curved lever: the gate can now swing freely.
- Then unscrew the for nuts that fix the motor.

ACCESSORIES - For the connections and the technical data of the optional equipments follow the relevant handbooks.

T2

code ABT2000 => CRX 230/50-60HZ

code ABT2001 => 230/50-60HZ

code ABT2002 => CRX 120/60HZ

code ABT2003 => 120/60HZ

T2 Wi-Fi

With MASTER Wi-Fi card.

code ABT2001W

Automatic travel and timing code learning system

Pedestrian opening command

Pedestrian and total automatic closure

Pre-blinking

Adjustable slow speed in approaching

Electronic adjustment of the force

Radio command - step by step or automatic total opening

Radio command - step by step or automatic pedestrian opening

Single command - step by step or automatic

Electric lock release operation

Built-in radio receiver 433MHz

Management of the photocells

Automatic closing after the transit through the photocell

Management of the blinker

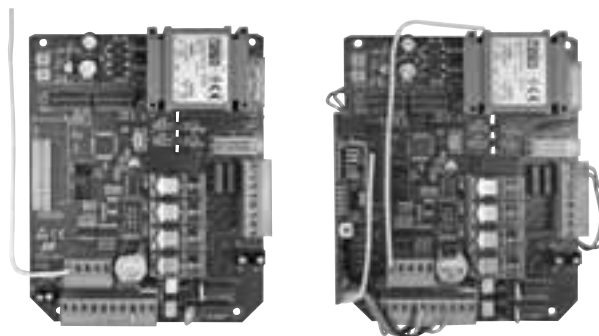
Management of the strips

Safety strip autotest as required by EN12453

Key selector

Buzzer

Electric lock



FOUNDATION BOX FOR DUKE 110°



cod. ACG8435

FOUNDATION BOX FOR DUKE 180°



cod. ACG8436

RELEASE WITH DIN CYLINDER



code ACG2120

RELEASE WITH TRIANGLE KEY



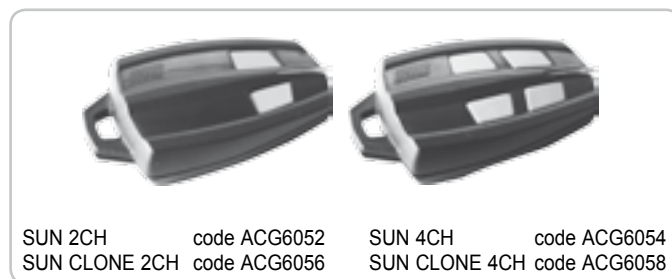
code ACG2125

RELEASE WITH HANDLE



code ACG2130

RADIO TRANSMITTER SUN



SUN 2CH code ACG6052
SUN CLONE 2CH code ACG6056

SUN 4CH code ACG6054
SUN CLONE 4CH code ACG6058

FIT SLIM



PHOTOCELLS FOR THE WALL-INSTALLATION code ACG8032 PAIR OF COLUMNS FOR FIT SLIM code ACG8065

FIT SLIM photocells have synchronism function in AC current and ranges of 20 m. You can fit many couples close together thanks to the synchronising circuit.

Add the **SYNCHRO TRANSMITTER TX SLIM SYNCHRO** code ACG8029 for more than 2 photocells couples (up to 4).

SPARK



In order to make the systems mentioned above give the best performances, you need to install an antenna tuned on the frequency of the radio receiver installed.

N.B. Pay attention to not let the central wire of the cable to come into contact with the external copper sheath, since this would prevent the antenna from working.

Install the antenna vertically and in such a way the remote control can reach it.

SPARK BLINKER WITH IN-BUILT INTERMITTENT CARD

code ACG7059

LATERAL SUPPORT

code ACG7042

SPARK ANTENNA 91

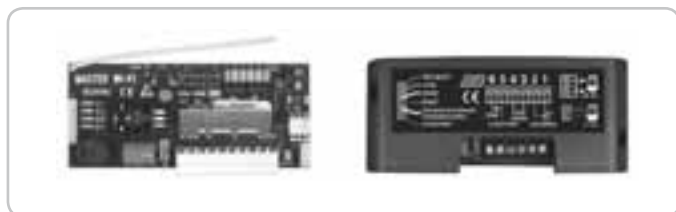
code ACG5454

SPARK ANTENNA 433

code ACG5452

Wi-Fi DEVICES

MASTER Wi-Fi



RECEIVER CARD TO MANAGE WIRELESS SYSTEM

with connector - 12÷30V ac/dc

code ACG6094

with terminal block - 12÷30V ac/dc

code ACG6099

NOVA Wi-Fi



PHOTOCELLS WITHOUT WIRES
PAIR OF COLUMNS NOVA

code ACG8037

code ACG8039

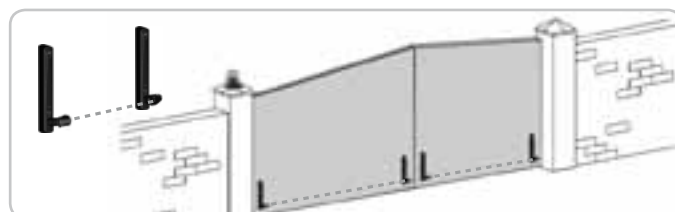
TOUCH Wi-Fi



SAFETY STRIP WITHOUT WIRES

code ACG3016

VERTIGO Wi-Fi



WIRELESS PHOTOCELLS SUBSTITUTING THE SAFETY STRIP

VERTIGO Wi-Fi 8 code ACG8042 - VERTIGO Wi-Fi 10 code ACG8043

BLOCK Wi-Fi



KEY SELECTOR WITHOUT WIRES

code ACG6098

SPARK Wi-Fi

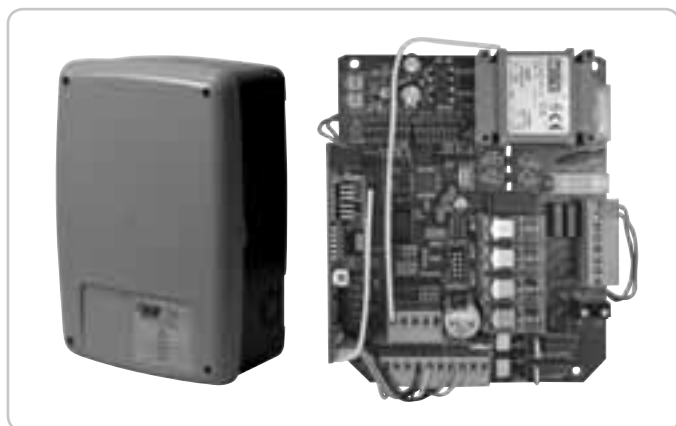


BLINKER WITHOUT WIRES
LATERAL SUPPORT

code ACG7064

code ACG7042

T2 Wi-Fi



Control panel with electronic adjustment of the force and MASTER Wi-Fi card. With container.

code ABT2001W



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**AZIENDA CON SISTEMA
DI QUALITÀ CERTIFICATO
DA DNV**

**COMPANY WITH QUALITY
SYSTEM CERTIFIED
BY DNV**

DICHIARAZIONE DI CONFORMITÀ - DECLARATION OF COMPLIANCE DÉCLARATION DE CONFORMITÉ - ÜBEREINSTIMMUNGSERKLÄRUNG DECLARACIÓN DE CONFORMIDAD

Dichiariamo sotto la nostra responsabilità che l'operatore DUKE è conforme alle seguenti norme e Direttive:

L'opérateur DUKE se conforme aux normes suivantes:

We declare under our responsibility that DUKE operator is conform to the following standards:

Wir erklären das der DUKE den folgenden EN-Normen entspricht:

Declaramos, bajo nuestra responsabilidad que el operador DUKE es conforme a la siguientes normas y disposiciones:

EN 55014-1	2000	EN 61000-3-3	1997	EN 61000-6-4	2007
EN 55014-2	1997	EN 61000-6-1	2007		
EN 60335-1	2008	EN 61000-6-2	2006		
EN 61000-3-2	2007	EN 61000-6-3	2007		

Inoltre permette un'installazione a Norme - Permit, en plus, une installation selon les normes suivantes

You can also install according to the following rules - Desweiteren genehmigt es eine Installation der folgenden Normen

Además permite una instalación según las Normas:

EN12453	2002	EN 12445	2002	EN 13241-1	2004
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Come richiesto dalle seguenti Direttive: - Comme demandé par les suivantes Directives:

As requested by the following Directives: - Gemäß den folgenden Richtlinien:

Tal y como requerido por las siguientes Disposiciones:

2004/108/CE

2006/95/CE

Il presente prodotto non può funzionare in modo indipendente ed è destinato ad essere incorporato in un impianto costituito da ulteriori elementi. Rientra perciò nell'Art. 6 paragrafo 2 della **Direttiva 2006/42/CE (Macchine)** e successive modifiche, per cui segnaliamo il divieto di messa in servizio prima che l'impianto sia stato dichiarato conforme alle disposizioni della Direttiva.

Le présent dispositif ne peut fonctionner de manière indépendante, étant prévu pour être intégré à une installation constituée d'autres éléments. Aussi rentre-t-il dans le champ d'application de l'art. 6, paragraphe 2 de la **Directive machines 2006/42/CEE** et de ses modifications successives. Sa mise en service est interdite avant que l'installation ait été déclarée conforme aux dispositions prévues par la Directive.

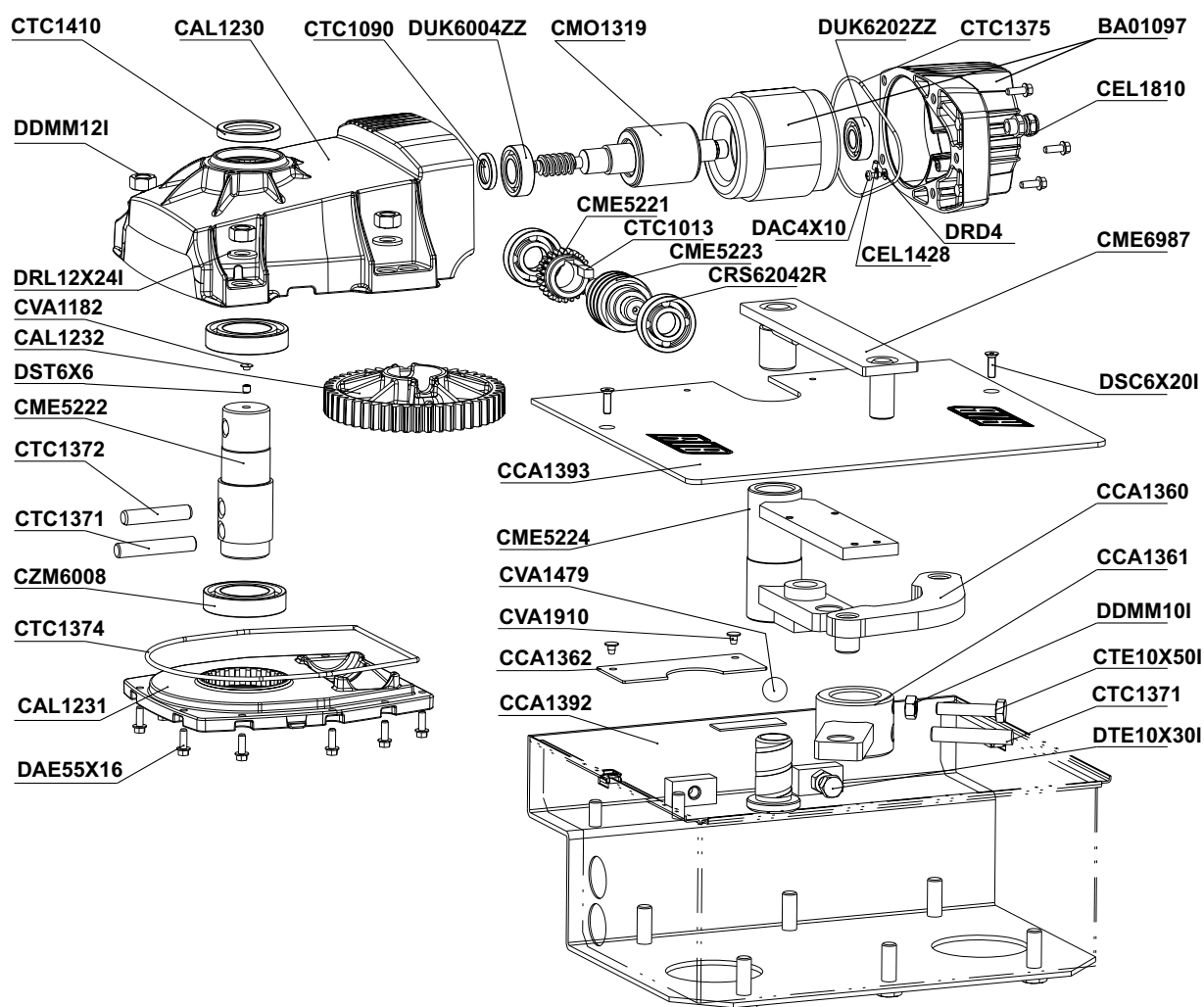
This product can not work alone and was designed to be fitted into a system made up of various other elements. Hence, it falls within Article 6, Paragraph 2 of the **EC-Directive 2006/42 (Machines)** and following modifications, to which respect we point out the ban on its putting into service before being found compliant with what is provided by the Directive.

Dieses Produkt kann nicht allein funktionieren und wurde konstruiert, um in einen von anderen Bestandteilen zusammengesetzten System eingebaut zu werden. Das Produkt fällt deswegen unter Artikel 6, Paragraph 2 der **EWG-Richtlinie 2006/42 (Maschinen)** und folgenden.

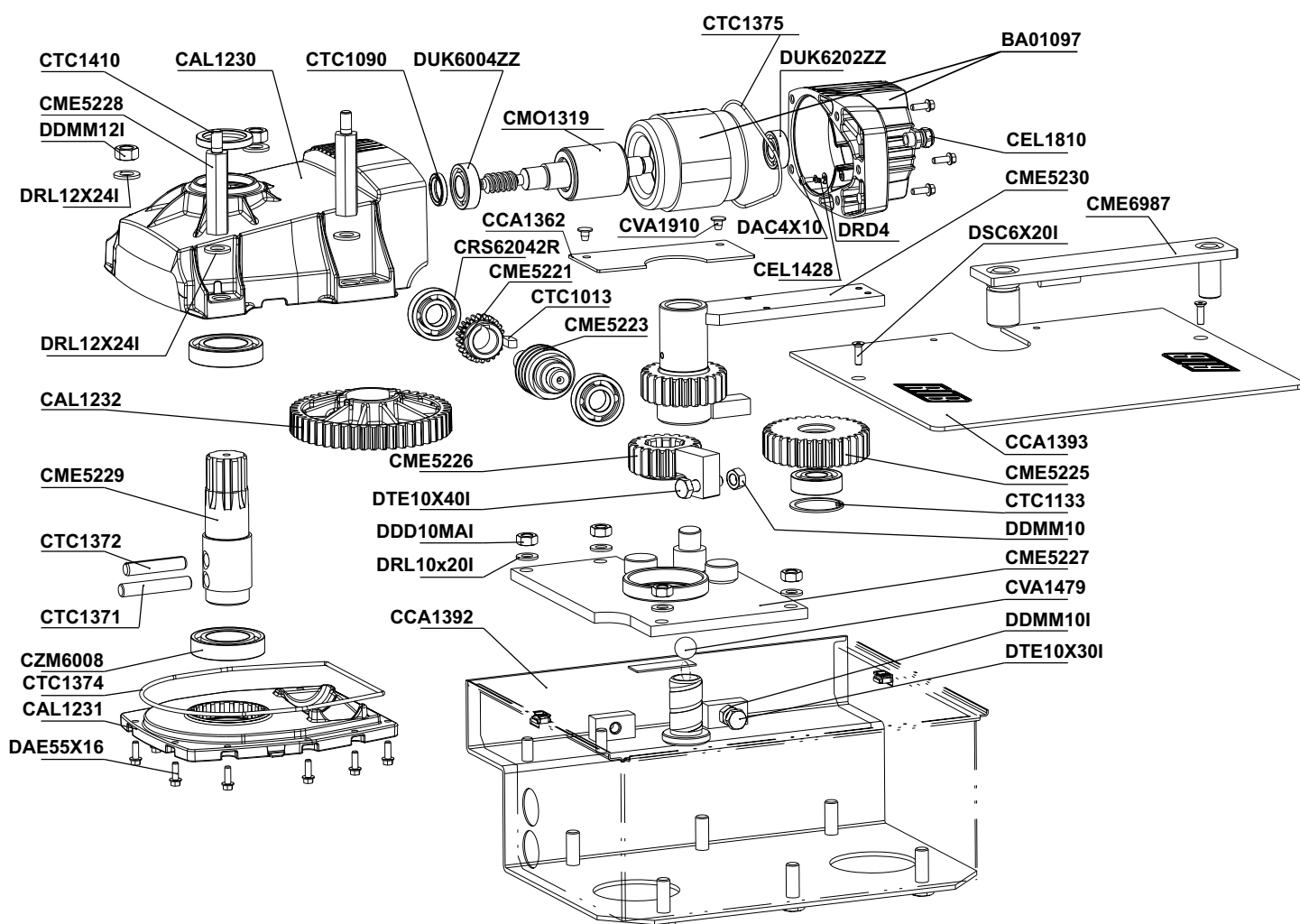
Este producto no puede funcionar de manera independiente y se tiene que incorporar en una instalación compuesta por otros elementos. Está incluido por lo tanto en el Art. 6 párrafo 2 de la **Disposición 2006/42/CEE (Maquinaria)** y sus siguientes modificaciones, por lo cual destacamos que está prohibido poner la instalación en marcha antes de que esté declarada conforme a la citada Disposición.

Legal Representative

(Rasconi Antonio)



Codice	Denominazione Particolare	Codice	Denominazione Particolare	Codice	Denominazione Particolare
BA01097	Campana + Statore + Cavo	CMO1319	Rotore con albero	DRD4	Rond. dentellata D=4 piana DIN6798
CAL1230	Carter	CRS62042R	Cusc. 6204/2RS	DRL12X24I	Rond. piana 12X24 inox
CAL1231	Sotto carter	CTC1013	Chiavetta 8 7 25	DTE10X30I	Vite TE 10X30 inox UNI5739
CAL1232	Ingranaggio albero traino	CTC1090	Paraolio 20x30x5 Rolif	DTE10X60I	Vite TE 10X60 inox UNI5739
CCA1360	Leva collegamento curva DUKE 110°	CTC1371	Spina cil. 12x70 non temp.	DSC6X20I	Vite TSP.CR. 6X20 inox
CCA1361	Leva traino corta DUKE 110°	CTC1372	Spina elastica 12X60 UNI6873	DST6X6	Grano M6X6 a punta conica UNI 5927
CCA1362	Lamierino di protezione	CTC1374	Anello di tenuta OR 4725	DUK6004ZZ	Cusc. mot. 6004 ZZ JBL-ME-86
CCA1392	Cassa fondazione con sfera	CTC1375	Anello di tenuta OR 3450	DUK6202ZZ	Cusc. mot. 6202 ZZ JBL-ME-86
CCA1393	Coperchio cassa fondazione	CTC1410	Paraolio 40x52x7 AS		
CEL1425	Cond. 10µF 450V c/cav. (L=35 cm)	CVA1182	Capp. copriv. 039 0006 220 03		
CEL1428	Cap. occh. 5055 tot. stag. crimp	CVA1479	Sfera D=20		
CEL1810	Pressacavo PRA 14/9 G1/4 IP67	CVA1910	Tappo D6-TPP-Neutro		
CME5221	Ingranaggio elic. Z24	CZM6008	Cusc. mot. 6008ZZ 40x68x15		
CME5222	Albero traino	DAC4X10	Vite trilob. TC CR 4X10 UNI8112		
CME5223	Vite s/fine	DAE55X16	Vite aut. te. 5.5X16 p. tronca Z		
CME5224	Leva traino cassa DUKE 110°	DDMM10I	Dado 10MA medio inox UNI5588		
CME6987	Piatto cancello cassa DUKE	DDMM12I	Dado 12MA medio UNI5588 inox		



Codice	Denominazione Particolare	Codice	Denominazione Particolare	Codice	Denominazione Particolare
BA01097	Campana + Statore + Cavo	CME5230	Gruppo palmola c/ingr. DUKE 180°	DAE55X16	Vite aut. TE. 5.5X16 p. tronca Z
CAL1230	Carter	CME6987	Piatto cancello cassa DUKE	DDD10MAI	Dado autob. 10MA inox alto
CAL1231	Sotto carter	CMO1319	Rotore con albero	DDMM10	Dado 10MA medio UNI5588
CAL1232	Ingranaggio albero traino	CRS62042R	Cusc. 6204/2RS	DDMM10I	Dado 10MA medio UNI5588 inox
CCA1362	Lamierino di protezione	CTC1013	Chiavetta 8 7 25	DDMM12I	Dado 12MA medio UNI5588 inox
CCA1392	Cassa di fondazione con sfera	CTC1090	Paraolio 20x30x5	DRD4	Rond. dentellata D=4 piana DIN6798
CCA1393	Coperchio cassa di fondazione	CTC1133	Seeger I47	DRL10X20I	Rond. piana 10X20 inox
CEL1425	Cond. 10µF 450V c/cav. (L=35 cm)	CTC1120	Seeger E20	DRL12X24I	Rond. piana 12X24 inox
CEL1428	Cap. och. 5055 tot. stag. crimp.	CTC1371	Spina cil. 12x70 non temp.	DTE10X25Z	Vite TE 10X25 UNI5739
CEL1810	Pressacavo PRA 14/9 G1/4 IP67	CTC1372	Spina elastica 12X60 UNI6873	DTE10X30I	Vite TE 10X30 UNI5739 inox
CME5221	Ingranaggio prima riduzione	CTC1374	Anello di tenuta OR 4725	DTE10X40I	Vite TE 10X40 UNI5739 inox
CME5223	Vite s/fine seconda rid.	CTC1375	Anello di tenuta OR 3450	DSC6X20I	Vite TSP.CR. 6X20 inox
CME5225	Ingranaggio ballerino	CTC1410	Paraolio AS 40x52x7 AS	DUK6004ZZ	Cusc. mot. 6004 ZZ JBL-ME-86
CME5226	Ingran. traino c/fermo DUKE 180°	CVA1479	Sfera D=20	DUK6202ZZ	Cusc. mot. 6202 ZZ JBL-ME-86
CME5227	Piastra fissaggio completa DUKE 180°	CVA1910	Tappo D6-TPP6-NEUTRO		
CME5228	Distanziale piastra ingr. DUKE 180°	CZM6008	Cusc. mot. 6008ZZ 40X68X15		
CME5229	Albero di traino DUKE 180°	DAC4X10	Vite autom. TC CR 4X10 TRIL. UNI8112		



MADE IN ITALY

Questo prodotto è stato completamente progettato e costruito in Italia · Ce produit a été complètement développé et fabriqué en Italie · This product has been completely developed and built in Italy · Dieses Produkt wurde komplett in Italien entwickelt und hergestellt · Artículo totalmente proyectado y producido en Italia

**COMPANY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =**



automatismi per cancelli
automatic entry systems

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