

## AUTOMATION FOR SWING DOOR

FA00008-EN



**FLUO-SW2    LIGHT**  
**FLUO-SW3    HEAVY**

ASSEMBLY AND INSTALLATION MANUAL

EN English

## 1. INTRODUCTION

Before you begin to install or start an automatic pedestrian doors, an inspection must be carried out on site by qualified personnel, for making measurements of the compartment wall, door and drive.

This inspection is to assess the risk and to select and implement the most appropriate solutions according to the type of pedestrian traffic (intense, narrow, one-way, bi-directional, etc.), The type of users (elderly, disabled, children, etc.), in the presence of potential hazards or local circumstances.

To assist installers in applying the requirements of European Standard EN 16005 concerning the safe use of automatic pedestrian doors, we recommend consulting the guides E.D.S.F. (European Door and Shutter Federation) available on [www.edsf.com](http://www.edsf.com).

### 1.1 GENERAL SAFETY INSTRUCTION

This installation manual is intended for professionally competent personnel only. Before installing the product, carefully read the instructions.

Bad installation could be hazardous. The packaging materials (plastic, polystyrene, etc.) should not be discarded in the environment or left within reach of children, as these are a potential source of hazard.

Before installing the product, make sure it is in perfect condition. Do not install the product in an explosive environment and atmosphere: gas or inflammable fumes are a serious hazard risk.

Before installing the automations, make all structural changes relating to safety clearances and protection or segregation of all areas where there is risk of being crushed, cut or dragged, and danger areas in general.

Make sure the existing structure is up to standard in terms of strength and stability. CAME is not responsible for failure to use Good Working Methods in building the frames to be motorised or for any deformation occurring during use.

The safety devices (safety sensor, photocells, etc.) must be installed taking into account: applicable laws and directives, Good Working Methods, installation premises, system operating logic and the forces developed by the motorised door.

Apply hazard area notices required by applicable regulations.

Each installation must clearly show the identification details of the automatic pedestrian door.

### 1.2 EC MARKING AND EUROPEAN DIRECTIVES



Automations for swing pedestrian door, are designed and manufactured in compliance with the safety requirements of the European standard EN 16005 and are CE-marked in accordance with the Electromagnetic Compatibility Directive (2014/30/UE).

The automation also include a Declaration of Incorporation according to the Machinery Directive (2006/42/EC).

Pursuant to Machinery Directive (2006/42/CE) the installer who motorises a door or gate has the same obligations as the manufacturer of machinery and as such must:

- prepare the technical file which must contain the documents indicated in Annex V of the Machinery Directive; (The technical file must be kept and placed at the disposal of competent national authorities for at least ten years from the date of manufacture of the pedestrian door);
- draft the EC declaration of conformity in accordance with Annex II-A of the Machinery Directive and deliver it to the customer;
- affix the CE marking on the power operated door in accordance with point 1.7.3 of Annex I of the Machinery

### 1.3 DECLARATION OF INCORPORATION

Machines Directive 2006/42/EC, Annex II-B

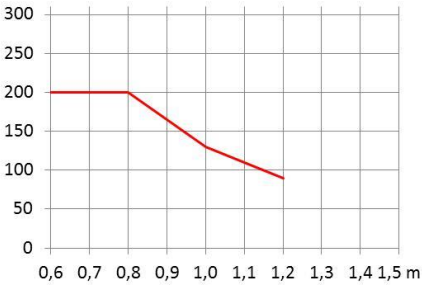
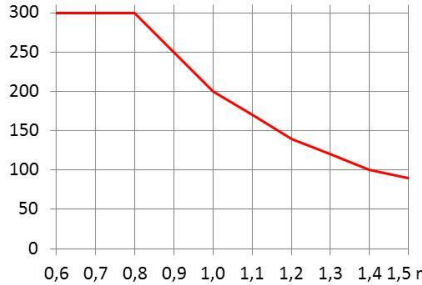




The Declaration of Incorporation of the automations for FLUO automatic doors is attached to the product together with this manual.

All data and information contained in this manual have been drawn up and checked with the greatest care. However CAME cannot take any responsibility for eventual errors, omissions or inaccuracies due to technical or illustrative purposes.

CAME reserves the right to make changes and improvements to their products. For this reason, the illustrations and the information appearing in this document are not definitive.

This edition of the manual cancels and replaces all previous versions. In case of modification will be issued a new edition.

## 2. TECHNICAL DATA

Technical data	FLUO-SW2	FLUO-SW3
Model	LIGHT (for internal use, not exposed to wind pressure)	HEAVY
Product dimensions (Height x Depth x Length)	82 x 117 x 443 mm	104 x 118 x 463 mm
Maximum load:	200 kg x 0,8 m 	300 kg x 0,8 m 
Opening and closing time	2 – 6 s	2 – 6 s
Duty class Intermittent operation	Continuous operation S3 = 100%	Continuous operation S3 = 100%
Power supply Rated power Stand-by	100 – 240 Vac 50/60 Hz 40 W 8 W	100 – 240 Vac 50/60 Hz 70 W 8 W
Rated load	20 Nm	40 Nm
Protection Rating	IP 20	IP 20
Operating temperature	 -15 °C  +50 °C	 -15 °C  +50 °C
Parameter adjustment	Buttons and Display	Buttons and Display
Connections to control and safety devices	Dedicated connecting terminals	Dedicated connecting terminals
Number of programmable terminals	4 (G1, G2, G3, G4)	4 (G1, G2, G3, G4)
Power output for accessories	12 Vdc (1A max)	12 Vdc (1A max)
Power output for electric locks and electronic locks	12 Vdc (1A max) / 24 Vdc (0,5 A max)	12 Vdc (1A max) / 24 Vdc (0,5 A max)
Firmware update	USB standard	USB standard
Function selector device	818XA-0074, 818XA-0075	818XA-0074, 818XA-0075
Battery power device	818XC-0038	818XC-0038

N.B. The technical data above refer to average conditions of use and cannot be certain in each case. Each automatic entrance variables such as: friction, balancing and environmental conditions that may substantially change both the duration and the quality of the operation of the automatic or some of its components, including the automation. The installer must to adopt adequate safety coefficients for each particular installation.

### 3. STANDARD INSTALLATION



Rif.	Code	Description
1	818SW-0010	FLUO-SW2 automation (Light) for swing doors
	818SW-0020	FLUO-SW3 automation (Heavy) for swing doors
2	818XA-0040	Sliding arm
3	001MR8534, 001MR8570, 001MR8590	Safety sensor
4	001MR8204, 001MR8003, 001MR8106, 001MR8107	Opening sensor
5	818XA-0074, 818XA-0075	Electronic function selector
-	818XC-0038	Battery power device

Note: Components and codes are those most commonly used in systems for automatic swing doors. The full range of equipment and accessories is also available in the sales list.

The given operating and performance features can only be guaranteed with use of CAME accessories and safety devices.

**4. ASSEMBLY PROCEDURE OF THE AUTOMATION**

Check the stability, the weight of the leaf and that the movement is smooth and without friction (if necessary to reinforce the frame). Any closing door device must be removed or completely deactivated.

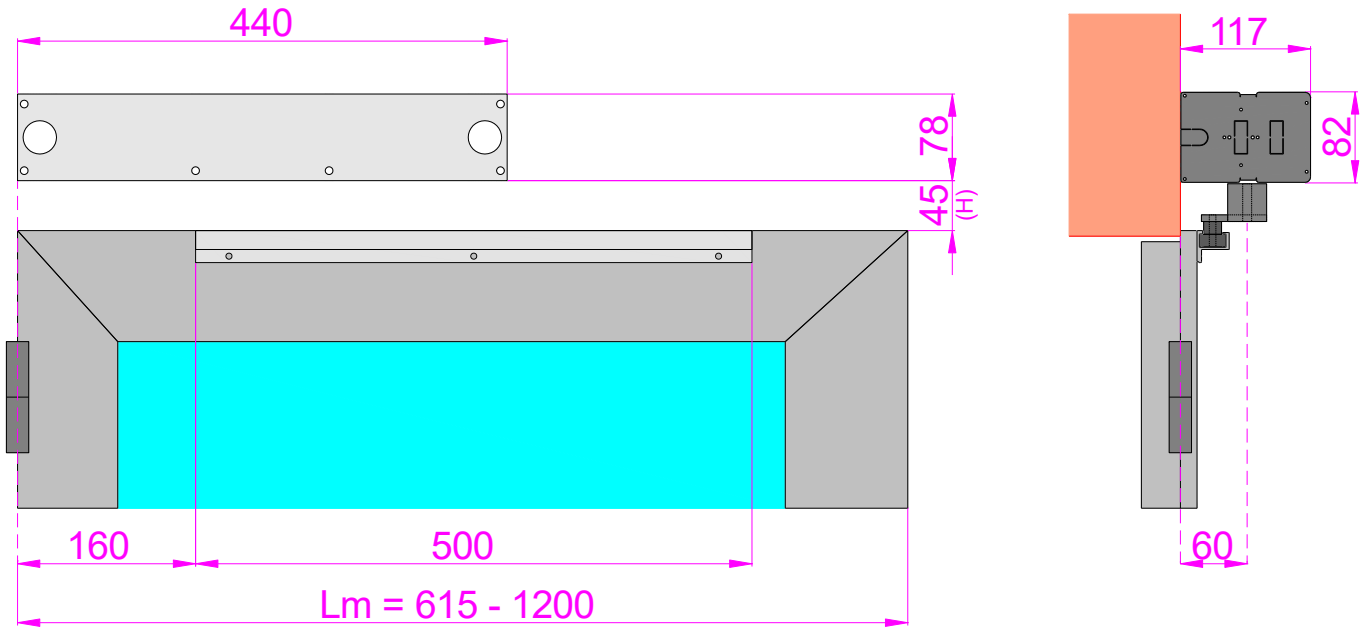
Check the correct operation in case of installation on doors that divide environments at different pressures.

**4.1 INSTALLATION OF FLUO-SW2 AUTOMATION WITH 818XA-0040 SLIDING ARM**

Use the sliding arm to pull with doors which open inside (view from the automation).

Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the sliding arm on the door as shown in the figure. Insert the sliding arm in the guide and fix to the automation.



Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

(H)	FLUO-SW2 automation
28	818XA-0040 + 818XA-0045
45	818XA-0040
62	818XA-0040 + 818XA-0047

Move the door manually, and verify the correct opening and closing smoothly.

Adjust the opening mechanical stop inside the sliding arm.

**CLOSING OF THE AUTOMATION COVER**

Fix the cover to the heads using the supplied screws.

## 4.2 INSTALLATION OF FLUO-SW2 AUTOMATION WITH 818XA-0059 SLIDING ARM

Use the sliding arm to push with doors which open outside (view from the automation).

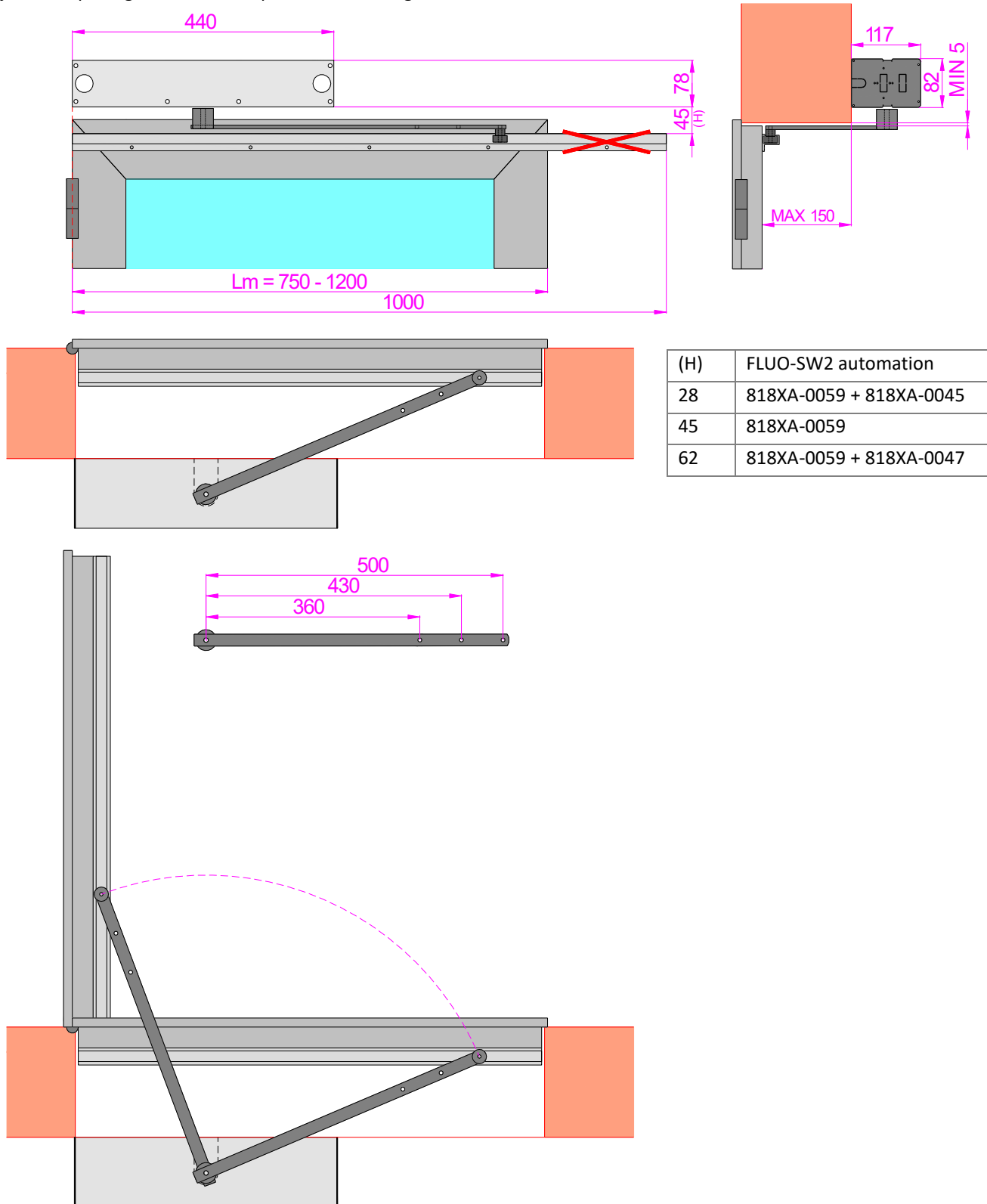
Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the sliding arm on the door as shown in the figure. Insert the sliding arm in the guide and fix to the automation. If the leaf width is reduced, shorten the sliding guide and the sliding arm.

Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

Move the door manually, and verify the correct opening and closing smoothly.

Adjust the opening mechanical stop inside the sliding arm.



### CLOSING OF THE AUTOMATION COVER

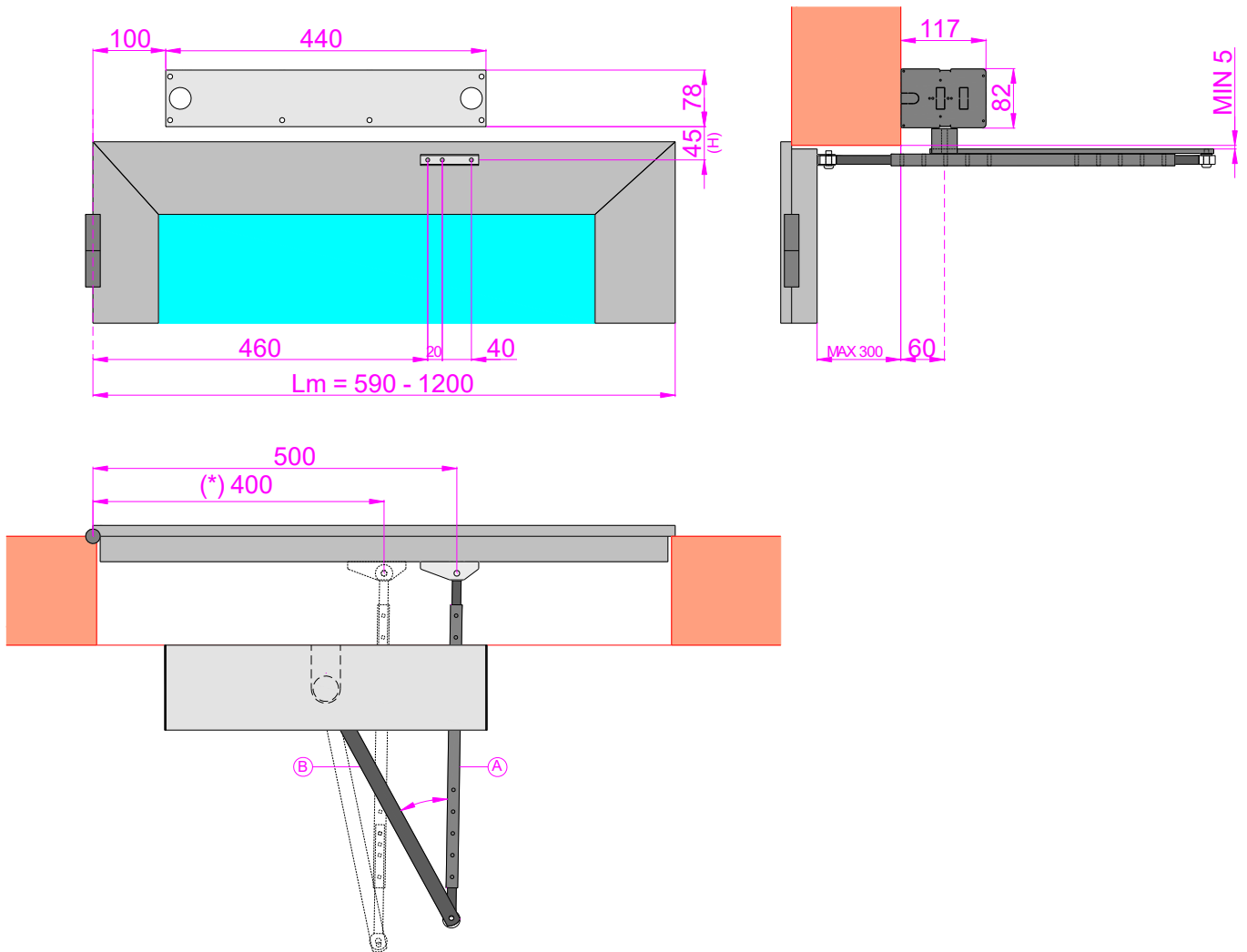
Fix the cover to the heads using the supplied screws.

### 4.3 INSTALLATION OF FLUO-SW2 AUTOMATION WITH 818XA-0041 ARTICULATED ARM

Use the articulated arm to push with doors which open outside (view from the automation).

Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the bracket of the articulated arm on the door, using the measurements shown in the figure.



Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

(H)	FLUO-SW2 automation
28	818XA-0041 + 818XA-0045
45	818XA-0041
62	818XA-0041 + 818XA-0047

Fix the articulated arm to the automation, and fix the other end of the articulated arm to the door.

Move the door in the closed position, and adjust the length of the half-arm [A] so that the angle between the two half-arms [A] and [B] is the greater possible.

(\*) To increase the opening force it is possible to reduce the angle and reduce the measurement of fixing of the articulated arm, as shown in figure.

Move the door manually, and verify the correct opening and closing smoothly.

Install the opening mechanical stop (not supplied by us).

Note: the mechanical stop on the floor must be fixed in a visible position and must not create tripping hazard.

#### CLOSING OF THE AUTOMATION COVER

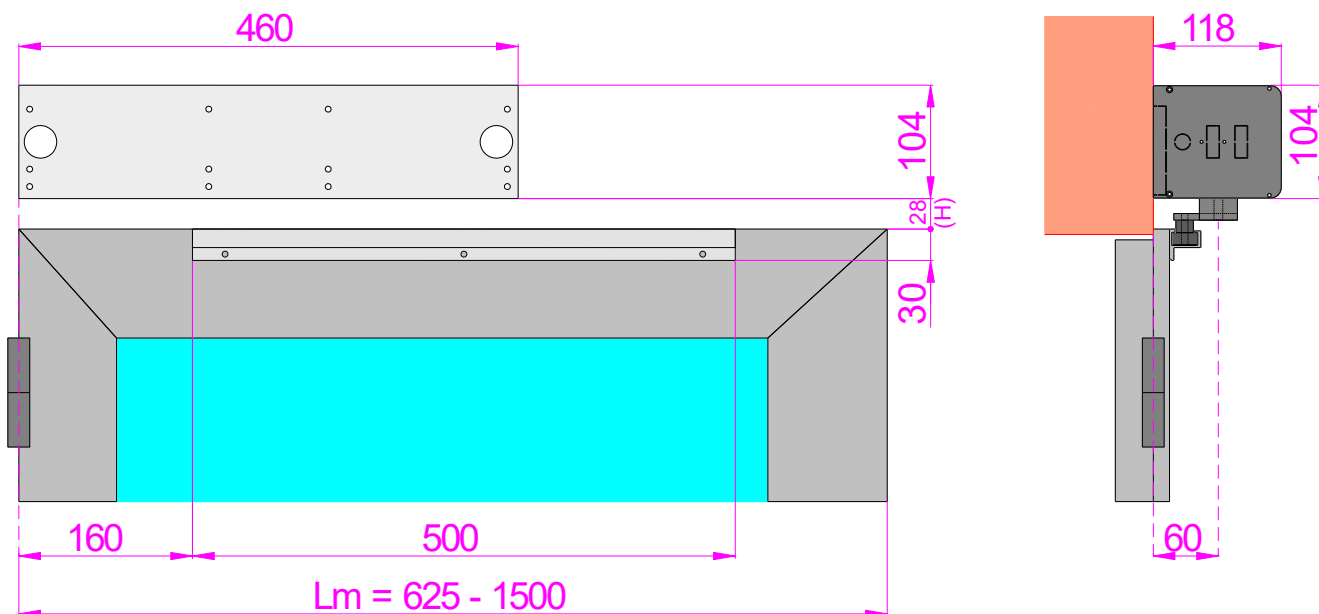
Fix the cover to the heads using the supplied screws.

#### 4.4 INSTALLATION OF FLUO-SW3 AUTOMATION WITH 818XA-0040 SLIDING ARM

Use the sliding arm to pull with doors which open inside (view from the automation).

Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the sliding arm on the door as shown in the figure. Insert the sliding arm in the guide and fix to the automation.



Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

(H)	FLUO-SW3 automation
28	818XA-0040
45	818XA-0040 + 818XA-0047
62	818XA-0040 + 818XA-0048

Move the door manually, and verify the correct opening and closing smoothly.

Adjust the opening mechanical stop inside the sliding arm.

#### CLOSING OF THE AUTOMATION COVER

Attach the cover profile to the base profile. To prevent the cover from being opened without the use of a tool, you can secure the cover to the heads at the holes, using the screws 2,9 x9,5 not supplied by us.



#### 4.5 INSTALLATION OF FLUO-SW3 AUTOMATION WITH 818XA-0059 SLIDING ARM

Use the sliding arm to push with doors which open outside (view from the automation).

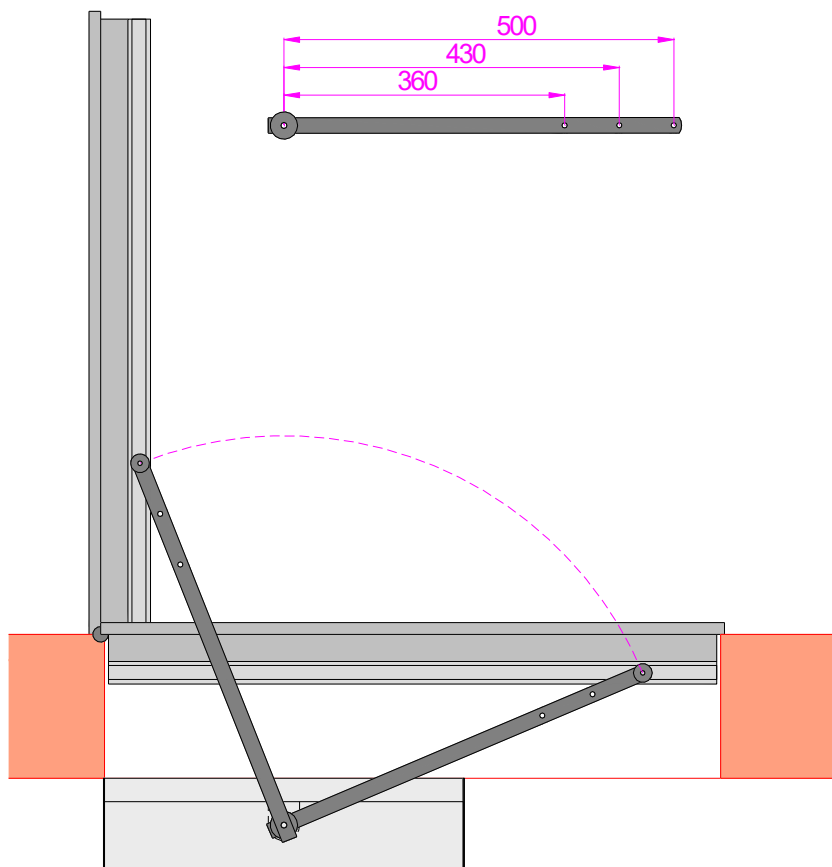
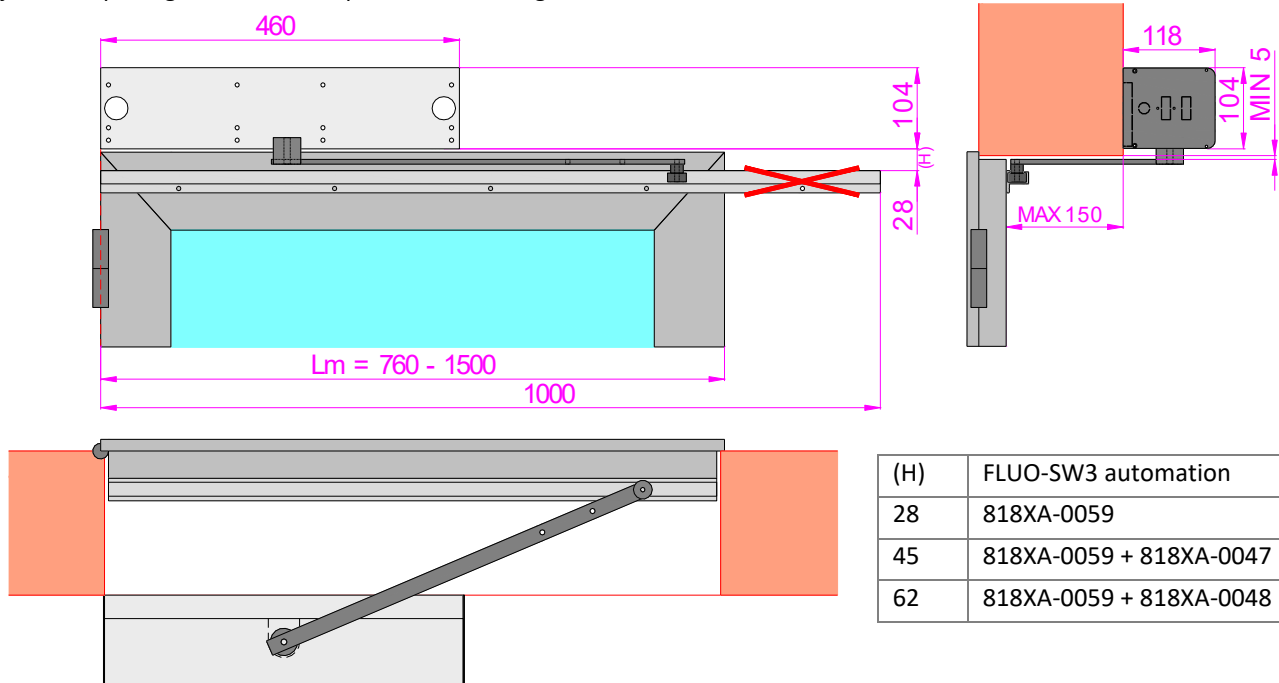
Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the sliding arm on the door as shown in the figure. Insert the sliding arm in the guide and fix to the automation. If the leaf width is reduced, shorten the sliding guide and the sliding arm.

Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

Move the door manually, and verify the correct opening and closing smoothly.

Adjust the opening mechanical stop inside the sliding arm.



#### CLOSING OF THE AUTOMATION COVER

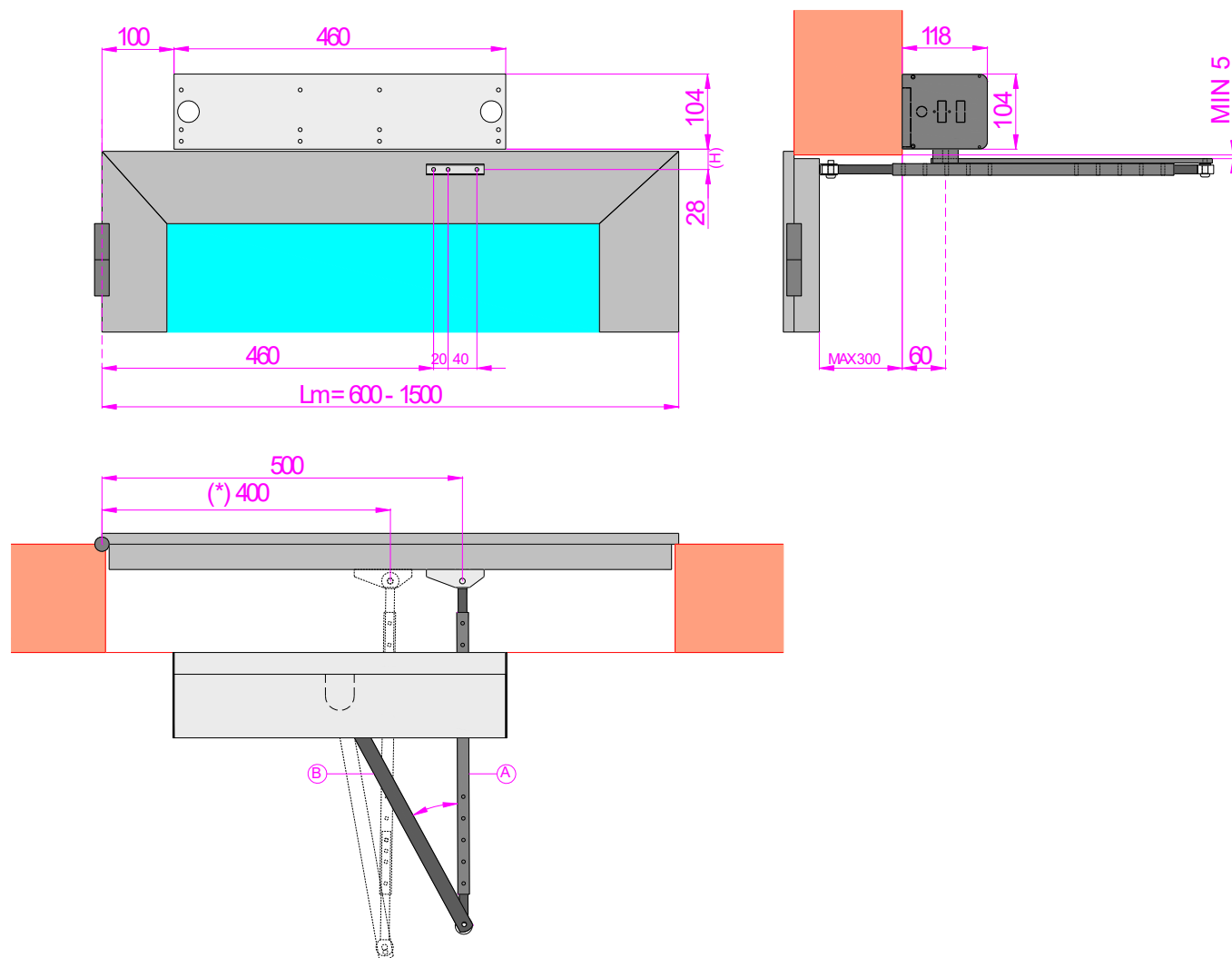
Attach the cover profile to the base profile. To prevent the cover from being opened without the use of a tool, you can secure the cover to the heads at the holes, using the screws 2,9 x9,5 not supplied by us.

#### 4.6 INSTALLATION OF FLUO-SW3 AUTOMATION WITH 818XA-0041 ARTICULATED ARM

Use the articulated arm to push with doors which open outside (view from the automation).

Remove the cover and fix the automation in a stable and leveled way to the wall using screws with a diameter  $\geq 4.8$  mm, using the measurements shown in the figure. Refer to the axis of the door hinges.

Fix the bracket of the articulated arm on the door, using the measurements shown in the figure.



Note: if necessary, you can change the measure H, between the automation and the door, by replacing the spacer, using the codes listed in the table.

(H)	FLUO-SW3 automation
28	818XA-0041
45	818XA-0041 + 818XA-0047
62	818XA-0041 + 818XA-0048

Fix the articulated arm to the automation, and fix the other end of the articulated arm to the door.

Move the door in the closed position, and adjust the length of the half-arm [A] so that the angle between the two half-arms [A] and [B] is the greater possible.

(\*) To increase the opening force it is possible to reduce the angle and reduce the measurement of fixing of the articulated arm, as shown in figure.

Move the door manually, and verify the correct opening and closing smoothly.

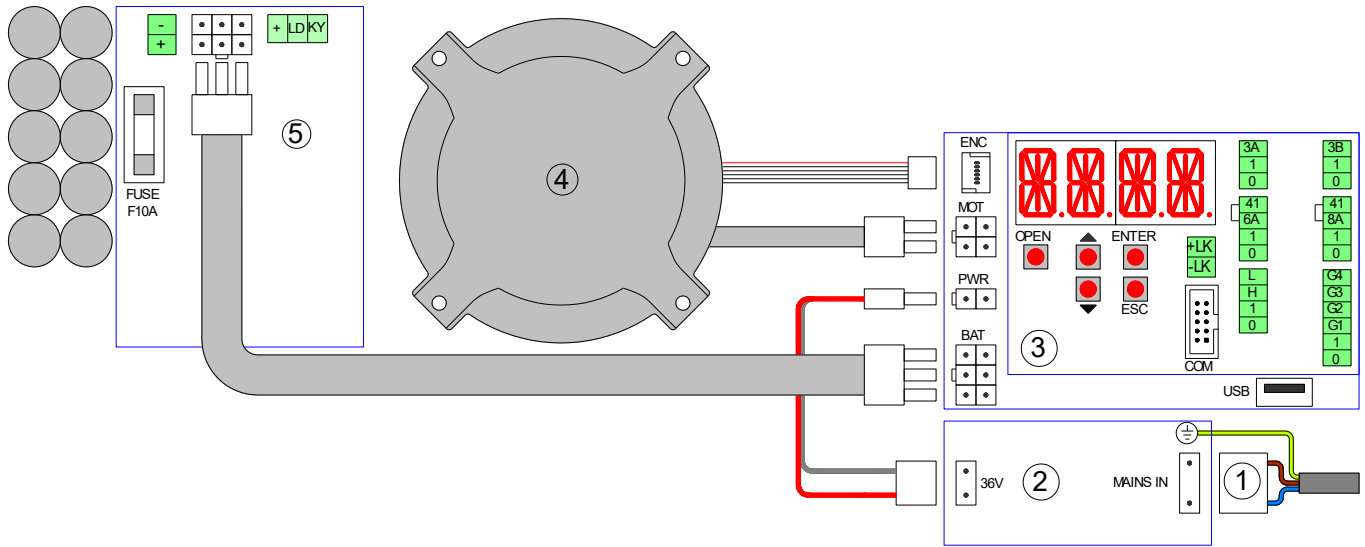
Install the opening mechanical stop (not supplied by us).

Note: the mechanical stop on the floor must be fixed in a visible position and must not create tripping hazard.

#### CLOSING OF THE AUTOMATION COVER

Attach the cover profile to the base profile. To prevent the cover from being opened without the use of a tool, you can secure the cover to the heads at the holes, using the screws 2,9 x9,5 not supplied by us.

## 5. ELECTRICAL CONNECTIONS



Rif.	Code	Terminals	Description
1	88018-0036	MAINS IN	Cable for connection to the power supply.
2	-	PWR	Switching power supply 36V 65W (for FLUO-SW2 automation)
	-	PWR	Switching power supply 36V 75W (for FLUO-SW3 automation)
3	119RIP155		Electronic control
4	-	MOT	Brushless motor (for FLUO-SW2 automation)
	-	MOT	Brushless motor (for FLUO-SW3 automation)
	-	ENC	Angular sensor
5	818XC-0038	BAT	Battery power device

### 5.1 GENERAL SAFETY ELECTRICAL PRECAUTIONS

Installation, electrical connections and adjustments must be completed in conformity with Good Working Methods and with regulations in force.

Before making power connections, check that the rating corresponds to that of the mains supply. A multipolar disconnection switch with a contact opening gap of at least 3 mm must be included in the mains supply. This switch must be protected from unauthorized activations.

Check that, upstream of the electrical installation, an adequate residual current circuit breaker and an overcurrent cut out are fitted.

Connect the automation to an effective earthing system carried out as indicated by current safety regulations.

During installation, maintenance and repair operations, cut off the power supply before opening the cover to access the electrical parts. To handle electronic parts, wear earthed antistatic conductive bracelets.

CAME declines all responsibility in the event of components which are not compatible with the safe and correct operation of the product.

For repairs or replacements of products only original spare parts must be used.

## 5.2 POWER SUPPLY ELECTRICAL CONNECTION

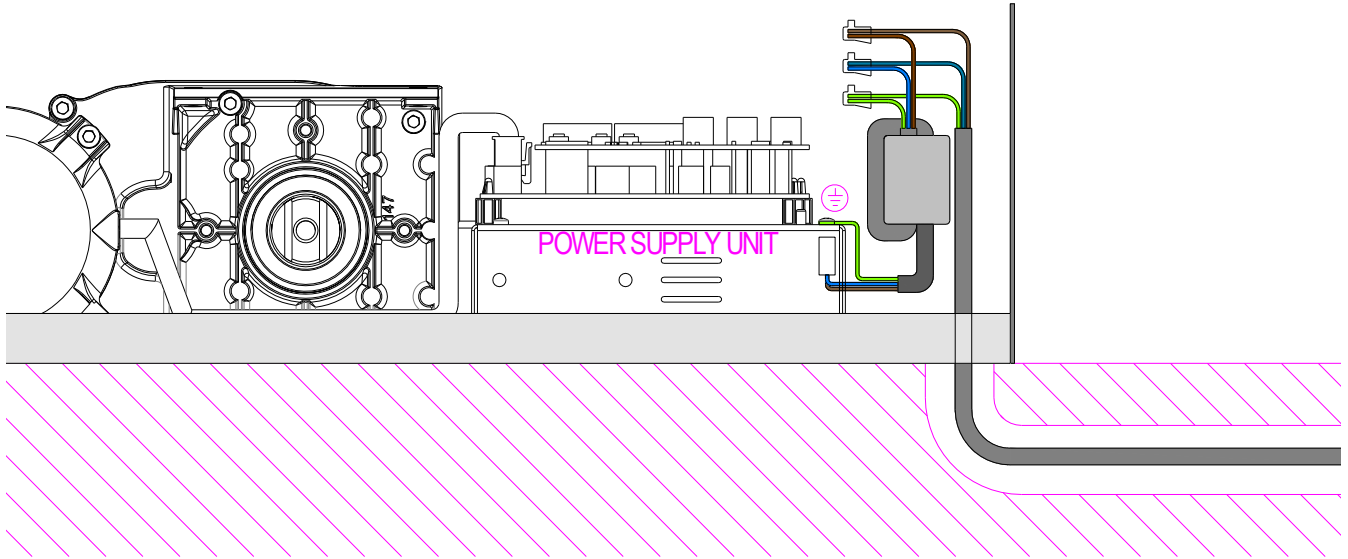
The connection to the mains supply can be done in one of the two following ways.

### 1) ELECTRICAL CONNECTION THROUGH THE AUTOMATION BASE

Use the electric cable and the supplied terminals for the connection to the mains supply through a channel in the wall, previously made. Note: Shorten the electric cable to the desired size.

Make sure there are no sharp edges that might damage the electric cable.

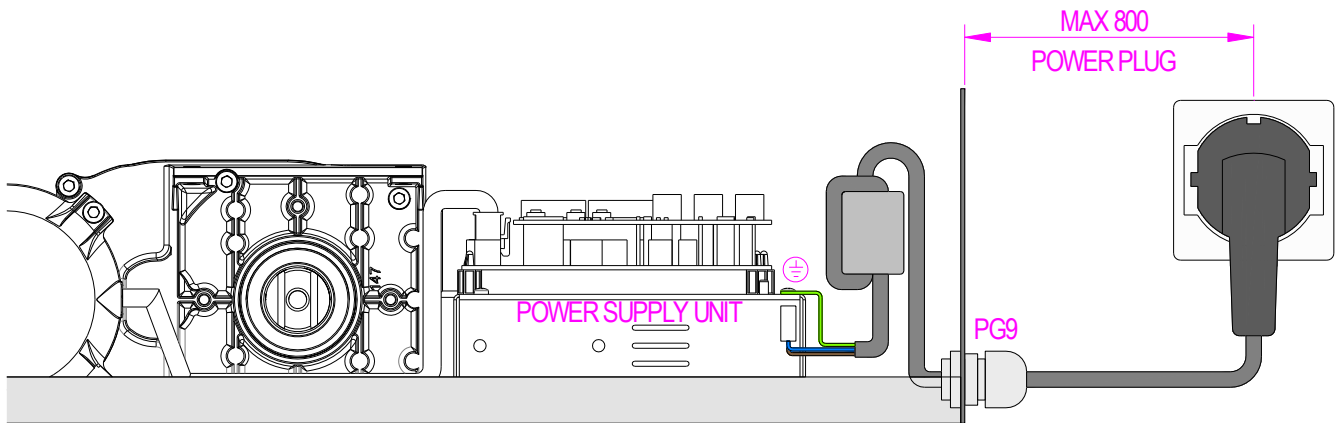
For the connection to the mains supply use an independent channel, separated from the connections to control and safety devices.



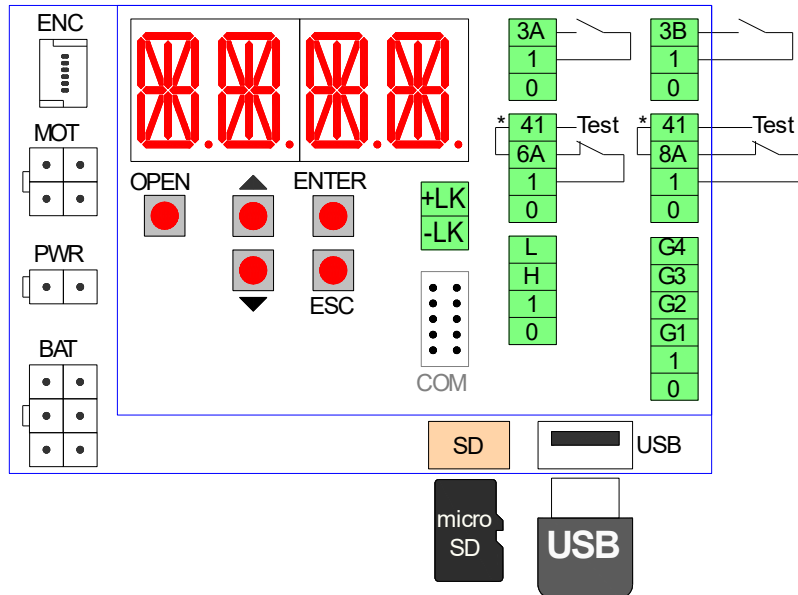
### 2) ELECTRICAL CONNECTION THROUGH THE AUTOMATION END CAP

If the path of the electric cable is outer the wall, drill the end cap on the suitable area, fix the electric cable using a supplied PG9 cable gland.

Connect the electric cable to the junction box (using the supplied terminals), or connect the electric cable to the wall socket using an electrical plug (not supplied by us).



### 5.3 ELECTRONIC CONTROL TERMINALS



Note: The terminals with the same number are equivalent.

The electronic control comes with the jumpers on the terminals with an asterisk [\*]. When connecting safety devices remove the jumpers of the corresponding terminals.

Terminals	Description
0 – 1	Output 12 Vdc for external powering accessories. The maximum absorption of 1 A corresponds to the sum of all the terminals 1 (+12V).
1 – 3A	Contact N.O. opening A side (interior side).
1 – 3B	Contact N.O. opening B side (outer side).
1 – 8A	Closing safety contact N.C. The opening of the contact causes the reversal of the movement. Note: connect safety devices with test (see terminal 41), and remove the jumper 41 - 8A.
1 – 6A	Opening safety contact N.C. The opening of the contact stops the movement during the opening phase; the door closes after 3s. If the automation is closed, the opening of the contact prevents the opening. Note: connect safety devices with test (see terminal 41), and remove the jumper 41 - 6A.
41	Test output (+12 V). Connect the safety devices with test (in accordance with EN 16005), as indicated in the following chapters. Note: in case of devices without test, connect the N.C. contact to terminals 41 - 8A or 41 - 6A.
1 – G1/G2/G3/G4	Input terminal provided for general use.
0 – G1/G2	Output terminal (12 Vdc, 30 mA max) provided for general use. Using the ADV > STG1/STG2/STG3/STG4 menu you can choose a specific function to the G1/G2/G3/G4 terminal.
0 – 1 – H – L	Bus connection to the function selector.
+LK / -LK	Output 12Vdc (1 A max) / 24Vdc (0,5 A max) for electric lock.
USB	USB standard. Allows saving the door settings and loading the firmware updates.
SD	Micro SD standard. Allows saving the door settings and loading the firmware updates.
COM	Connection for remote communication

Buttons	Description
OPEN	Open the door.
↑	Scroll the menu and increase of selected values.
↓	Scroll the menu and reduction of selected values.
ENTER	Button to select the menu and save the selected data.
ESC	Exit the menu.

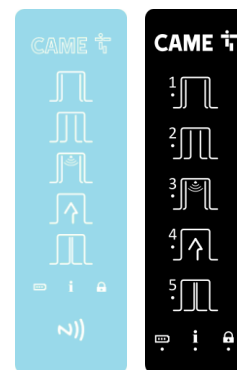
## 5.4 ELECTRICAL CONNECTION OF FUNCTION SELECTOR











Connect the 0-1-H-L terminals of the function selector, by cable (not supplied by us), to the 0-1-H-L terminals of the electronic control.

Note: for lengths over 10 m, use a cable with 2 twisted-pairs.

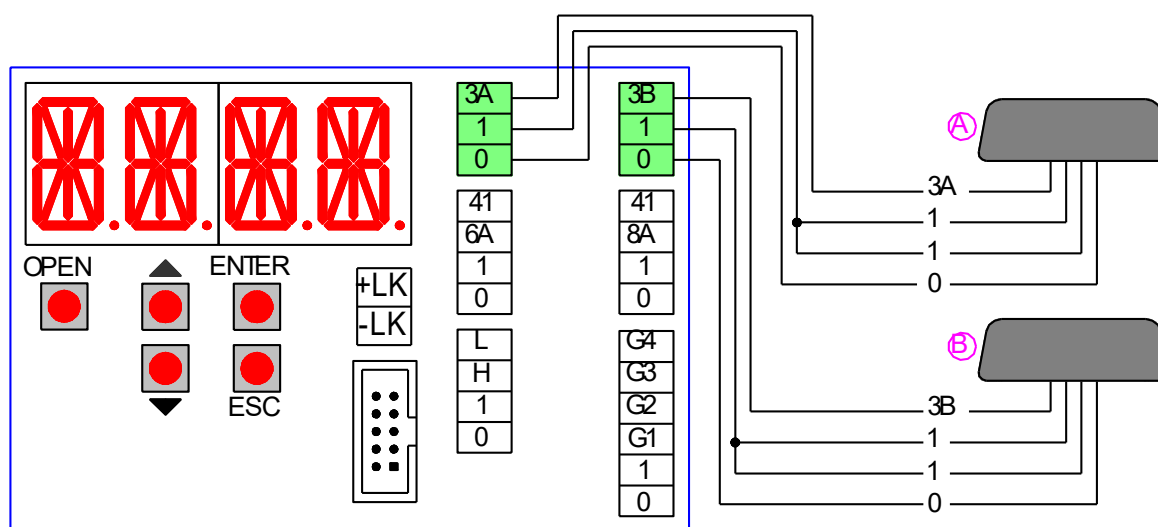
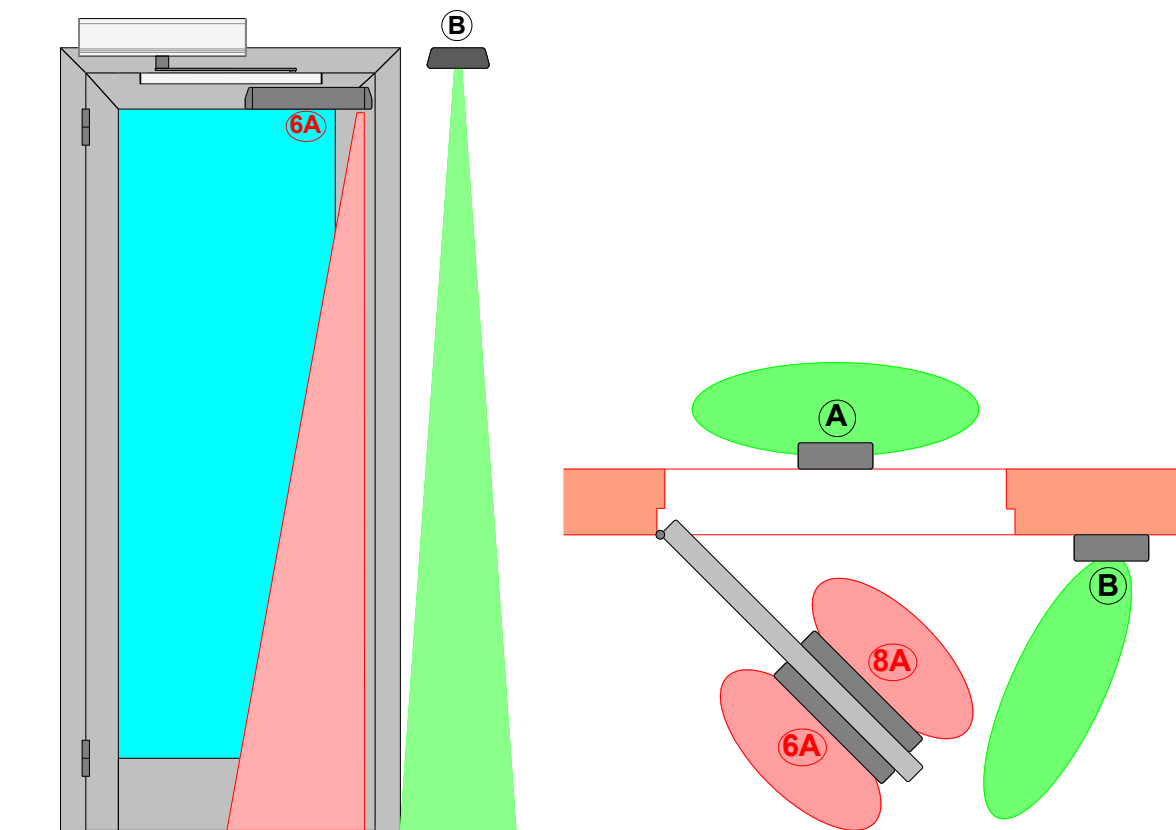
ATTENTION: the function selector must be used by authorized personnel only; if it is installed in a place accessible to the public, the function selector must be protected by a proximity badge (13.56MHz ISO15693 and ISO14443 Mifare) or by a numeric code (max 50 badges and codes).

The function selector allows the following settings.



Simbolo	Description
	<b>OPEN DOOR</b> When selected, the symbol lights up, the door is permanently open. Note: the leaves can still be handled manually.
	<b>AUTOMATIC PARTIAL OPERATION</b> In the case of a door with 2 automations, when selected, the symbol lights and allows the automatic operation of only one leaf.
	<b>AUTOMATIC BI-DIRECTIONAL OPERATION</b> When selected, the symbol lights up, the door works automatic in bidirectional mode. <b>RESET</b> Select the symbol for 5 seconds, the automation performs the self-test and the automatic learning.
	<b>AUTOMATIC ONE-WAY OPERATION</b> When selected, the symbol lights up and automatic operation of the door is in one-way mode.
	<b>CLOSED DOOR</b> When selected, the door is permanently closed. Note: using the menu SEL > DLAY you can adjust the delay time to close the door. <b>MANUAL OPERATION (ADV &gt; HAND = MIN/MAX)</b> Select the symbol for 3 seconds, the symbol flashes and the door can be moved manually.
	<b>PROTECTED FUNCTION SELECTOR</b> The symbol lights up if the function selector is protected. To activate the temporary operation of the function selector is necessary to approach the badge to the NFC symbol (818XA-0074), or enter the code (818XA-0075), or select for 3 seconds the logo.
	<b>ACTIVATION OF FUNCTION SELECTOR BY LOGO (SEL&gt;SECL=LOGO)</b> Select the logo for 3 seconds (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up).
	<b>ACTIVATION OF FUNCTION SELECTOR BY BADGE (SEL&gt;SECL=TAG)</b> Approach the badge to the NFC symbol (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up).
<b>1 2 3 4 5</b>	<b>ACTIVATION OF FUNCTION SELECTOR BY NUMERIC CODE (SEL&gt;SECL=TAG)</b> Press the logo, enter the code (maximum 5 numbers), press the logo for confirmation, (the lock symbol light off), the function selector is activated for 10 seconds. Expired the time the function selector switches off (the lock symbol lights up).
	<b>BATTERY SIGNAL</b> Battery symbol off = the door is operating with the mains supply Battery symbol on = the door is operating with battery power Battery symbol flashing = the battery is low or disconnected
	<b>INFORMATION SIGNAL</b> Information symbol on = it is necessary to perform the ordinary maintenance of the door. Information symbol flashing = shows the presence of alarms: - 1 flash = failure of electronic control or locking device; - 2 flashes = mechanical failure; - 3 flashes = failure of sensor safety test; - 4 flashes = motor overtemperature.

## 5.5 ELECTRICAL CONNECTION OF OPENING SENSOR



Connect the sensor, using the supplied cable to the terminals of the electronic control as follows:

	119RIP155	001MR8204	001MR8106, 001MR8107	001MR8106 NEW	001MR8003
OPENING	0	Brown	Brown	Black	Grey
	1	Green Yellow	Green Yellow	Red Yellow	Grey Yellow
	3A (3B)	White	White	Yellow	White
SAFETY	0	Blue			
	1	Pink			
	8A	Grey			
	41	Red			

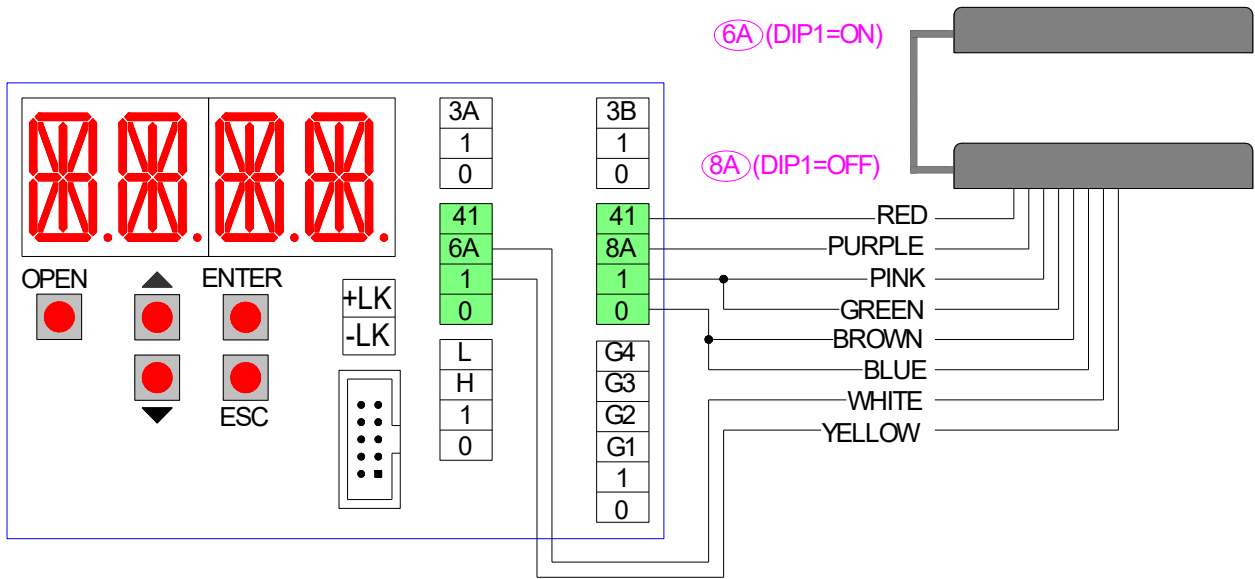
For more information, check the installation manual of the sensor.

### 5.6 ELECTRICAL CONNECTION OF SAFETY SENSOR

The safety sensors should be installed directly on the leaf of the door, and protect both the opening and the closing of the swing door.

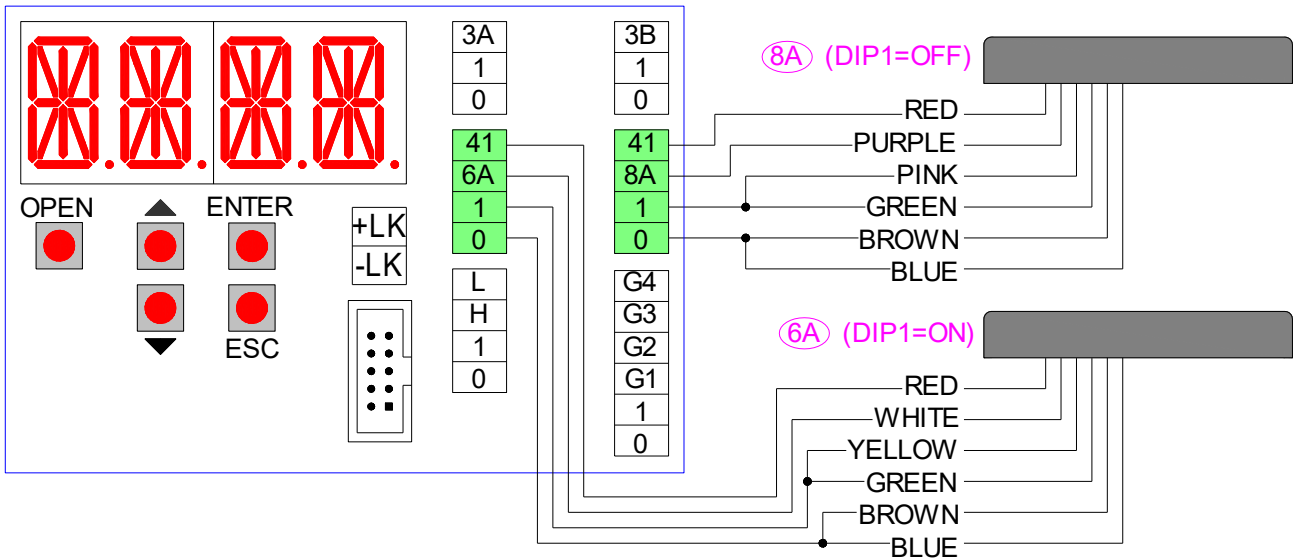
To simplify the installation of the safety sensors, you can choose one of the following two options.

- OPTION 1: Connect the 2 sensors to each other, using the supplied cable. Connect only one of the 2 sensors to the electronic control terminals, as shown below.



- 001MR8534, 001MR8570, 001MR8590		- 001MR8534, 001MR8570, 001MR8590	
SAFETY	0		Brown Blue
	1	Yellow	Green Pink
	6A	White (DIP1=ON)	8A Purple (DIP1=OFF)
	41		41 Red

- OPTION 2: Connect each sensor to the electronic control terminals, as shown below.

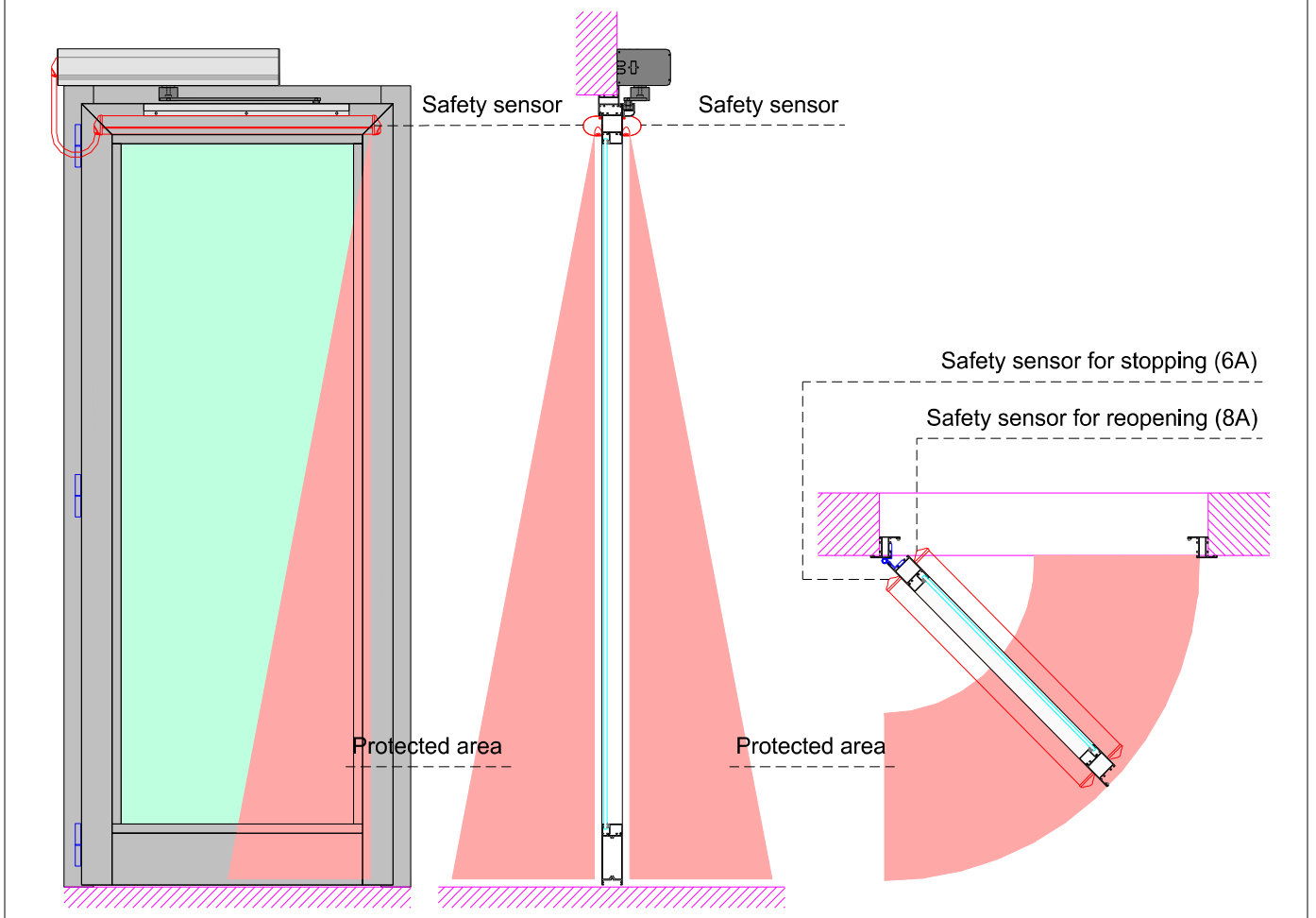


- 001MR8534, 001MR8570, 001MR8590		- 001MR8534, 001MR8570, 001MR8590	
SAFETY	0	Brown Blue	Brown Blue
	1	Green Yellow	Green Pink
	6A	White (DIP1=ON)	8A Purple (DIP1=OFF)
	41	Red	41 Red

For more information, check the installation manual of the sensor.



# SAFETY SENSOR

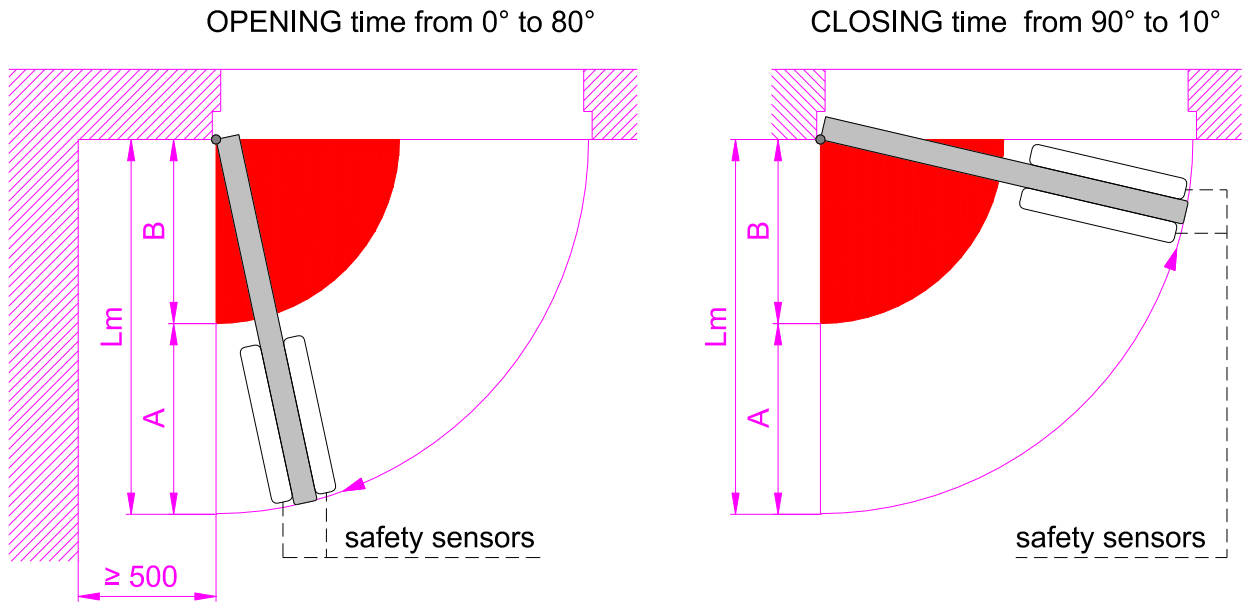


### 5.7 ADJUSTMENT OF THE KINETIC ENERGY OF THE DOOR

To reduce the kinetic energy of the door in area B not protected by safety sensors, make the following adjustments.

Adjust the opening speed (VOP) so as to open the door (from 0° to 80°) at the times indicated in the table.

Adjust the closing speed (VCL) so as to close the door (from 90° to 10°) at the times indicated in the table.



Lm [m]	Time [s]										
	1,0	1,5	2,0	2,5	3,0	3,5	4,0	4,5	5,0	5,5	6,0
	B [m]										
	0,16	0,24	0,32	0,40	0,48	0,56	0,64	0,72	0,80	0,88	0,95
	A [m]										
0,7	0,54	0,46	0,38	0,30	0,22	0,14	0,06	-	-	-	-
0,8	0,64	0,56	0,48	0,40	0,32	0,24	0,16	0,08	-	-	-
0,9	0,74	0,66	0,58	0,50	0,42	0,34	0,26	0,18	0,10	0,02	-
1,0	0,84	0,76	0,68	0,60	0,52	0,44	0,36	0,28	0,20	0,12	0,05
1,1	0,94	0,86	0,78	0,70	0,62	0,54	0,46	0,38	0,30	0,22	0,15
1,2	1,04	0,96	0,88	0,80	0,72	0,64	0,56	0,48	0,40	0,32	0,25
1,3	1,14	1,06	0,98	0,90	0,82	0,74	0,66	0,58	0,50	0,42	0,35
1,4	1,24	1,16	1,08	1,00	0,92	0,84	0,76	0,68	0,60	0,52	0,45
1,5	1,34	1,26	1,18	1,10	1,02	0,94	0,86	0,78	0,70	0,62	0,55

### 5.8 LOW ENERGY

To reduce the force and kinetic energy of the door, make the following adjustments.

FLUO-SW2: adjust the force PUSH ≤ 10.

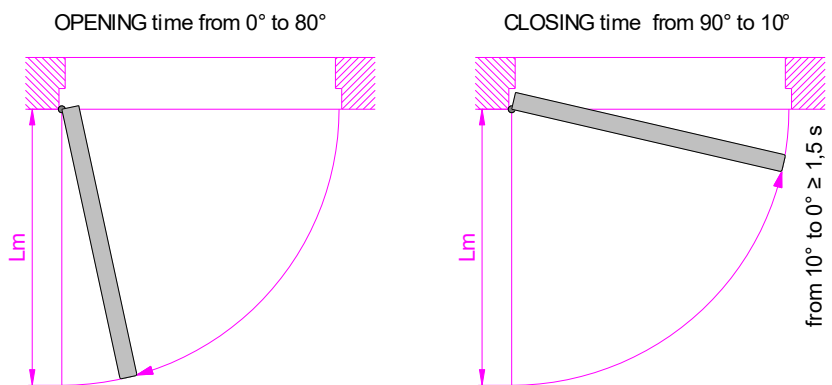
FLUO-SW3 with sliding arm: adjust the force PUSH ≤ 5.

FLUO-SW3 with articulated arm: adjust the force PUSH ≤ 3.

Adjust the opening speed (VOP) so as to open the door (from 0° to 80°) at the times indicated in the table.

Adjust the closing speed (VCL) so as to close the door (from 90° to 10°) at the times indicated in the table.

Lm [m]	Door weight [kg]				
	50	60	70	80	90
	Time [s]				
0,75 m	3,0	3,0	3,0	3,0	3,5
0,85 m	3,0	3,0	3,5	3,5	4,0
1,00 m	3,5	3,5	4,0	4,0	4,5
1,20 m	4,0	4,5	4,5	5,0	5,5



### 5.9 ELECTRICAL CONNECTION OF A DOOR WITH 2 LEAVES

To coordinate the operation of two automatic swing doors with the closing overlap of the leaves (see figure), procedures as follows.

Using a 3-wire cable (1-H-L), connect the 2 automations MASTER-SLAVE, as shown in the figure.

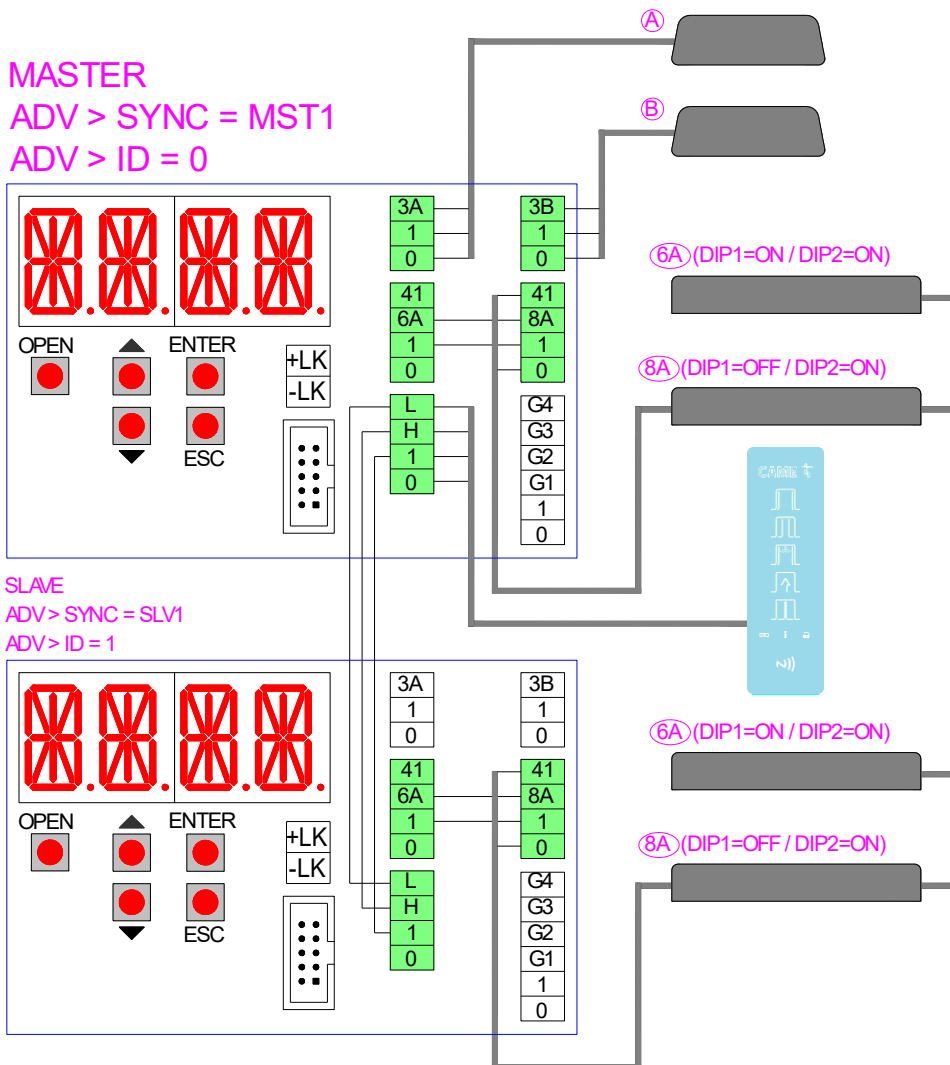
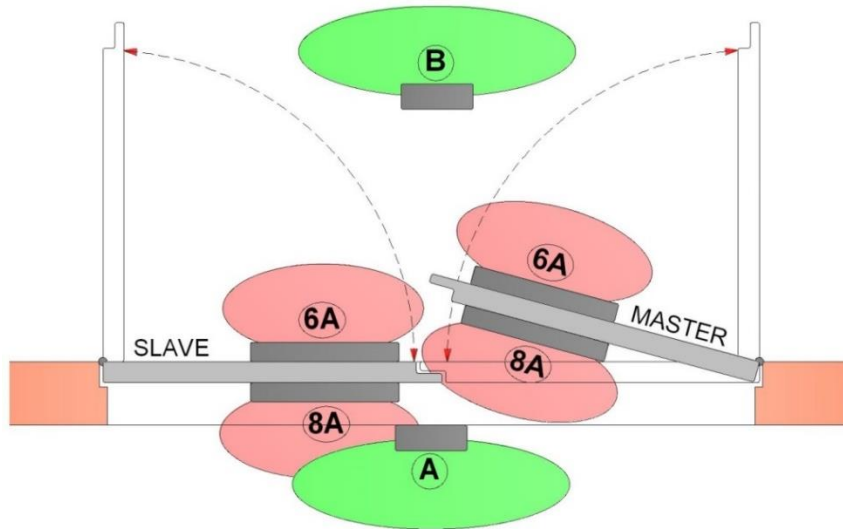
Network addresses must be assigned using the ADV > ID menu, as shown in the figure.

Using the menu of the electronic control, set: ADV> SYNC> MST1 on MASTER automation and ADV> SYNC> SLV1 on SLAVE automation.

Connect the opening sensors as described in chapter 5.5 and connect the safety sensors as described in chapter 5.6.

If desired, connect the function selector, as shown in the figure.

Note: the partial opening of only one leaf is referred to the MASTER automation.



## 5.10 ELECTRICAL CONNECTIONS OF ELECTRIC LOCK

Automations for swing doors are compatible with most of the electric locks available in the market. Verify that power supply of the electric lock is 12Vdc (1 A max) or 24Vdc (0,5 A max).

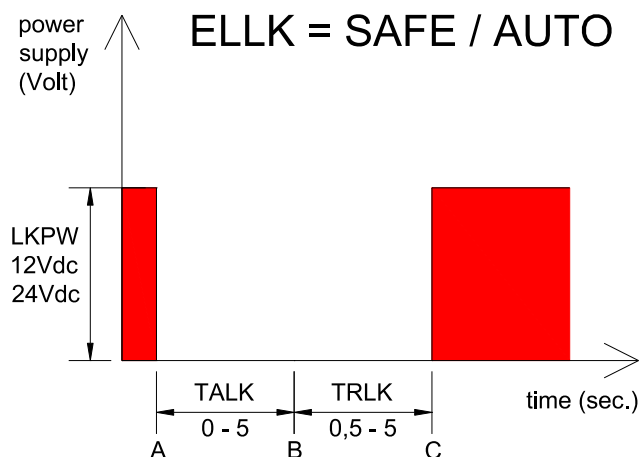
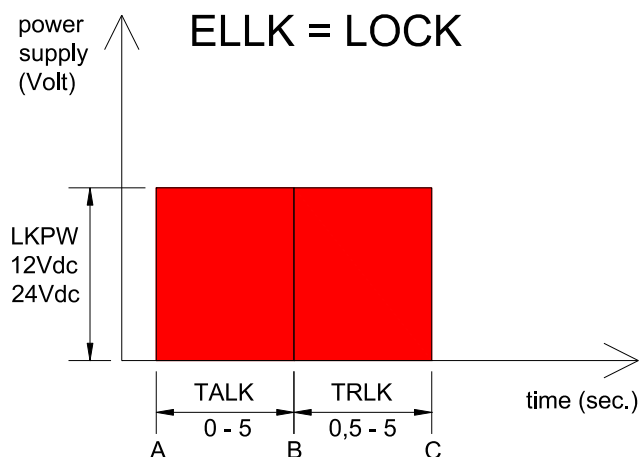
- Connect the electric lock to terminals LK + and –LK of the electronic control.
- Set the electric lock power supply, using menu: ADV > LKPW > 12Vdc or 24Vdc.
- Set the type of electric lock operation, using menu: ADV > ELLK > LOCK or SAFE/AUTO.
- Set the operating time of the electric lock, using menu: ADV > TRLK > from 0,5 to 5,0 seconds.
- Set the start of the door opening delay time, using menu: ADV > TALK > from 0,5 to 5,0 seconds.

In the figure are shown the timing of the electric lock operation:

A = start of opening pulse and electric lock power supply on/off,

B = start of door opening,

C = end of electric lock power supply on/off.



## 6. ELECTRONIC CONTROL ADJUSTEMENT

The electronic control has 4 buttons and 4 alphanumeric displays to set all the necessary adjustments.

After turning on the electronic control, the display shows the word "MENU". The operation of the four keys are indicated in the table.

Keys	Description	
ENTER	Select button, each time you press the button you enter on the selected parameter. Save button, pressing for 1 seconds you "SAVE" the selected value. MENU = Main parameters menu ADV = Advanced parameters menu SEL = Function selector menu MEM = Memory management menu INFO = Information and diagnostics menu	
ESC	Exit button, exit from all the parameter or exit from the menu.	
↑	Scroll button, each press selects a menu item or increases the value of the selected item.	
↓	Scroll button, each press selects a menu item or reduces the value of the selected item.	
↑ + ↓	To turn upside down the display, press the two scroll buttons simultaneously for 3 seconds.	

### 6.1 MENU (BASIC SETTINGS MENU)

Using the buttons ↑ and ↓ choose MENU, press ENTER to select and adjust the following parameters.

Display	Description	Factory settings
<b>DOOR</b> DOOR TYPE	Setting the automation type. Choose between the following values: SW2 = FLUO-SW2 automation SW4 = FLUO-SWS2 automation SW5 = FLUO-SW3 automation	SW2
<b>OPEN</b> OPENING DIRECTION	Setting the opening direction. Choose between the following values: ← = door hinged on left → = door hinged on right	←
<b>ARM</b> ARM TYPE	Setting the type of arm. Choose between the following values: SA = sliding arm to pull SA1 = sliding arm to push AA = articulated arm to push	SA
<b>VOP</b> OPENING SPEED	Opening speed setting. Choose between the minimum and maximum: minimum value = 15 deg/s maximum value = 90 deg/s	50
<b>VCL</b> CLOSING SPEED	Closing speed setting. Choose between the minimum and maximum: minimum value = 15 deg/s maximum value = 50 deg/s	50
<b>TAC</b> CLOSING TIME	Open door time setting. Choose between the minimum and maximum: NO = the door is always open minimum value = 1 s maximum value = 30 s	1
<b>PUSH</b> MOTOR POWER	Force setting. Choose between the minimum and maximum: minimum value = 1 maximum value = 10	10
<b>LEAF</b> DOOR WEIGHT	Setting the weight of the door. Choose between the following values: NO = without door MIN = light door MED = medium door MAX = heavy door	MED
<b>RAMP</b> ACCELERATION	Set the door acceleration. Choose between the following values: SLOW = slow acceleration MED = medium acceleration FAST = fast acceleration	MED

Display	Description	Factory settings
<b>BTMD</b> BATTERY MODE	Setting operation of battery power device, in absence of electricity. Choose between the following values: NO = battery not connected EMER = emergency open CONT = continuation of normal operation of the door, with last cycle of opening Note: the number of operations with battery, depends on the efficiency of the battery, the weight of the doors and the present friction.	NO

## 6.2 ADV (ADVANCED PARAMETERS MENU)

Using the buttons ↑ and ↓ select ADV, press ENTER to select and adjust the following parameters.

Display	Description	Factory settings
<b>8AEX</b> 8A- EXCLUSION	Exclusion of the operation of the sensor closing safety. Choose between the minimum and maximum values: minimum value = 0% maximum value = 50%	0
<b>6AEX</b> 6A- EXCLUSION	Exclusion of the operation of the sensor opening safety. Choose between the minimum and maximum values: minimum value = 0% maximum value = 50%	0
<b>ST6A</b> 6A-SETTING	Operation of 6A safety command, after the door stop. Choose between the following values: CLOS = automatic closing of the door OPEN = continues the opening of the door	CLOS
<b>ELLK</b> LOCK OPERATION TYPE	Selecting the electric lock. Choose between the following values: NO = electric lock not connected LOCK = standard electric lock (security operation) SAFE = electromagnet (safety operation) AUTO = electromagnet (operation matched to the function selector) OPEN = electromagnet for open door	NO
<b>LKPW</b> LOCK POWER SUPPLY	Power supply electric lock. Choose between the following values: 12 = 12V electric lock 24 = 24V electric lock	12
<b>TALK</b> LOCK ADVANCE TIME	Time advance operating electric lock. Choose between the minimum and maximum values: minimum value = 0 s maximum value = 5 s	0.5
<b>TRLK</b> LOCK OPERATION TIME	Operating time of the electric lock. Choose between the minimum and maximum values: minimum value = 0,5 s maximum value = 5 s	0.5
<b>LKSH</b> LOCK HOOKING	Setting of closing push for hooking the electric lock. Choose between the following values: NO = no push MIN = light push MED = medium push MAX = heavy push	MED
<b>PUCL</b> PUSH DOOR CLOSED	Setting the push on the closed mechanical stop. Choose between the following values: NO = no push MIN = light push MED = medium push MAX = heavy push XMAX = very heavy push	MIN
<b>PIPP</b> PUSH DOOR OPEN	Setting of the opening push. Choose between the following values: NO = no push YES = push enabled (disabled with ANG)	NO
<b>HOLD</b> HOLD DOOR OPEN	Setting the push of keeping the door open. Choose between the following values: NO = no push MIN = light push MED = medium push MAX = heavy push	MED

Display	Description	Factory settings
<b>HAND</b> MANUAL OPERATION	Manual operation of the door in power-assisted mode or with push opening. Choose between the following values: NO = manual operation power-assisted disabled MIN / MAX = manual operation power-assisted enabled. Note: the safety devices are disabled during manual operation. PUGO = push opening enabled	PUGO
<b>ANG</b> OPENING ANGLE	Selecting of the door opening angle. Choose between the following values: NO = the door opens up to the mechanical opening stop 50 ... 240 = the door opens up to the selected angle (minimum angle = 50) Note: the value indicated refers to the arm angle and not to the door angle	NO
<b>TAKO</b> KO-CLOSING TIME	Open door time setting, after the 1-G1/G2/G3/G4 command (see menu settings: ADV > STG1/STG2/STG3/STG4 = KO/KO2). Choose between the minimum and maximum: minimum value = 1 s maximum value = 30 s NO = the door is always open NO = see MENU > TAC	NO
<b>MOT</b> MOTOR CIRCUIT	Setting the manual friction of the door, by means of the electrical connection of the motor windings. Choose between the following values: OC = manual door opening without friction (motor with open circuit windings) SC = manual door opening with friction (motor with short-circuit windings)	SC
<b>T41</b> SAFETY TEST	Enable test for safety devices (in accordance with EN 16005). Choose between the following values: NO = test disabled YES = test enable	YES
<b>SYNC</b> DOOR SYNCHRO- NIZATION	Door with 2 leaves, setting of master-slave synchronization. Choose between the following values: NO = no synchronization (door with 1 leaf) MST1 = automation MASTER which opens first SLV1 = automation SLAVE which closes first MST2 = external automation MASTER which opens first (see menu: ADV > INK > EXT) SLV2 = external automation SLAVE which closes first (see menu: ADV > INK > EXT)	NO
<b>SDLY</b> DOOR DELAY	Door with 2 leaves, setting of delay of movement between Master-Slave. Choose between the following values: NO = leaves without overlap MIN = minimum delay MED = medium delay MAX = maximum delay	MED
<b>INK</b> INTER-LOCKED DOOR	Interlocked operation of two automatic doors, the opening of a door is permitted only when the other door is closed. Choose between the following values. NO = no interlock INT = internal door EXT = external door	NO
<b>ID</b> IDENTIFICATION NUMBER	If several automations are connected to the network via the 1-H-L terminals, they must have different identification numbers. Choose between the following values: NO = no network 0 / 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / 10 / 11 / 12 / 13 / 14	NO
<b>PC</b> CLOSING PUSH	Independent setting of the closing force. Choose between the following values: NO = see MENU > PUSH (same force in opening and closing) minimum value = 1 maximum value = 10 Note: if necessary, the closing force (PC) can be set differently from the opening force (PUSH).	NO

Display	Description	Factory settings
<b>STG1</b>	<b>INPUT COMMANDS BETWEEN 1-G1, 1-G2, 1-G3, 1-G4 TERMINALS</b>	NO
<b>STG2</b>	Choose between the following values.	NO
<b>STG3</b>	NO = no function	NO
<b>STG4</b>	KO = opening command	NO
<i>Setting of G1, G2, G3, G4 input</i>	<p>KO2 = semi-priority opening command (not active with function selector in closed door)</p> <p>KC = closing command (N.O.)</p> <p>FIRE = Priority closing command (N.C.), for fire alarm</p> <p>VOPN = N.O. opening limit-switch</p> <p>STEP = Step-by-step contact N.O. The closing of the contact performs in sequence the opening (disabled automatic closure) and the closing of the door.</p> <p>SAM = Automatic setting command of function selector. The closing of the contact changes the function selector mode (see menu: SEL &gt; SAM1 and SEL &gt; SAM2).</p> <p>EMER = Emergency opening contact N.C. The opening of the 1-G1 contact opens the door.</p> <p>RSET = reset command</p> <p>CAB = Step-by-step contact N.O. The closing of the contact performs in sequence the closing of the door (disabling 3A/3B terminals, enabling the signaling for occupied cabin) and the opening of the door (enabling 3A/3B terminals, disabling the signaling for occupied cabin).</p> <p>INKE = Interlocked operation exclusion command between two doors (see menu: ADV &gt; INK).</p> <p>PART = Opening command for the MASTER door only (see menu: ADV &gt; SYNC).</p> <p>SUL = Command to unlock the function selector for 10 seconds</p>	
<b>STG1</b>	<b>OUTPUT SIGNALS BETWEEN 0-G1, 0-G2 TERMINALS (12Vdc 30mA)</b>	NO
<b>STG2</b>	Choose between the following values.	NO
<i>Setting of G1, G2 output</i>	<p>NO = no function</p> <p>BELL = The output is activated for 3 seconds when people enter the store (through the sequential activation of the contacts: 1-3B and 1-3A).</p> <p>SERV = The output is activated when the door reaches the number of maintenance cycles, set using the menu: INFO &gt; SERV.</p> <p>WARN = The output is activated when at least one warning remains active for 5 minutes. For remove the alarm signal make a reset or turn off the power supply.</p> <p>CLOS = The output is activated when the door is closed</p> <p>OPEN = The output is activated when the door is open</p> <p>AIR = The output is activated when the door is not closed</p> <p>LAMP = The output is activated when the door is moving</p> <p>CABS = Signaling of the occupied cabin (see menu: ADV &gt; STG2 &gt; CAB)</p> <p>INK = Red traffic light signaling for interlocked doors (see menu: ADV &gt; INK)</p> <p>PWOF = The output is activated in the absence of power supply (W128)</p> <p>HAND = The output is activated when the door is opened by hand</p> <p>FS = The output is activated when the door is not closed, in the presence of a fire alarm.</p> <p>3AS = The output is activated when input 3A is not active</p> <p>3BS = The output is activated when input 3B is not active</p>	

**ATTENTION: terminals G1, G2, G3, G4 cannot have the same settings.**



### 6.3 SEL (FUNCTION SELECTOR MENU)

Using the buttons ↑ and ↓ select SEL, press ENTER to select and adjust the following parameters.

Display	Description	Factory settings
<b>MODE</b> SELECTOR MODE	Displaying of operating mode of function selector device. Choose between the following values: NO = no mode OPEN = open door AUTO = automatic bi-directional operation CLOS = closed door 1D = automatic one-way operation PA = automatic partial operation 1DPA = automatic one-way operation and partial HAND = manual operation	NO
<b>SECL</b> SELECTOR LOCK	How to activate the function selector. Choose between the following values: NO = function selector always accessible LOGO = function selector accessible by selecting the logo for 3 seconds TAG = function selector accessible with badge and numeric code	NO
<b>DLAY</b> DELAY CLOSED DOOR	Setting delay time function closed door. Choose between the minimum and maximum values: minimum value = 1 s maximum value = 5 min	1
<b>TMEM</b> TAG MEMORISE	Saving procedure of badge and numeric code for function selector. Choose between the following values. NO = no saving SMOD = Saving badge and numeric code for activation of the function selector: - press the ENTER button for 1 second, the display shows REDY, <b>818XA-0043 / 818XA-0074</b> - approach the badge to the function selector (in front of the NFC symbol), the display shows the badge code, <b>818XA-0050 / 818XA-0075</b> - press the logo, enter the code (from 1 to 5 numbers), press the logo for confirmation, the display shows the numeric code (Note: the numeric code can be stored only if SECL=TAG), - wait for 20 seconds or press the ESC button. OPEN = Saving badge and numeric code for activation of priority opening: proceed as SMOD Note: if the badge and the numeric code is not recognized the display shows the message UNKN, or if the badge and the numeric code is already stored will show the message NOK. You can store a total maximum of 50 badges and numeric codes.	NO
<b>TMAS</b> TAG MASTER	It is possible to create master badge and master numeric code that allows the saving of the badges and the numeric codes, without the use of the menu. Choose from the following values. NO = no saving MMOD = creation of the master badge and master numeric code to saving badges and numeric codes for function selector activation: proceed as SMOD. MOPE = creation of the master badge and master numeric code to saving the badges and numeric codes of opening priority: proceed as SMOD. Note: if the badge and the numeric code is not recognized the display shows the message UNKN, or if the badge and the numeric code is already stored will show the message NOK. <b>818XA-0043 / 818XA-0074</b> - The use of the master badge is the following: - approach the master badge to the function selector (in front of the NFC symbol), the buzzer emits 2 beeps at the beginning of the storage procedure, - approach the badges, that you want to store, one at a time, to the function selector (in front of the NFC symbol), the buzzer emits 1 beep of confirmation storage, - wait for 20 seconds, the buzzer emits 2 beeps at the end of the storage procedure. <b>818XA-0050 / 818XA-0075</b> - The use of the master numeric code is the following: - press the logo, enter the master numeric code, press the logo for confirmation, the buzzer emits 2 beeps at the beginning of the storage procedure, - press the logo, enter the new code (from 1 to 5 numbers), press the logo for confirmation,, the buzzer emits 1 beep of confirmation storage, - wait for 20 seconds, the buzzer emits 2 beeps at the end of the storage procedure. Note: if the badge and the numeric code is not stored, the buzzer emits no beeps.	NO

Display	Description	Factory settings
<b>TDEL</b> TAG DELETE	<p>Cancellation procedure of badge and numeric code. Choose between the following values.</p> <p>NO = no cancellation</p> <p>YES = badge and numeric code cancellation</p> <p>- press the ENTER button for 1 second, the display shows REDY,  <b>818XA-0043 / 818XA-0074</b> - approach the badge to the function selector (in front of the NFC symbol), the display shows the badge code,  <b>818XA-0050 / 818XA-0075</b> - press the logo, enter the code (from 1 to 5 numbers), press the logo for confirmation, the display shows the numeric code.</p> <p>- wait for 20 seconds or press the ESC button.</p> <p>Note: if the badge and the numeric code is not recognized the display shows the message UNKN.</p>	NO
<b>TERA</b> TAG TOTAL ERASE	<p>How to erase all stored badges and numeric codes. Choose between the following values:</p> <p>NO = no erase</p> <p>YES = cancellation of all badges and numeric codes</p>	NO
<b>SAM1</b> SELECTOR AUTOMATIC MODE	<p>First setting of function selector, when the 1-G1 (1-G2) contact becomes closed. Set the menu ADV &gt; STG1 (STG2) &gt; SAM.</p> <p>Connect the contact of a clock to 1-G1 (1-G2) terminals, and choose between the following values:</p> <p>OPEN = open door</p> <p>AUTO = automatic bi-directional operation</p> <p>CLOS = closed door</p> <p>1D = automatic one-way operation</p> <p>HAND = manual operation</p>	CLOS
<b>SAM2</b> SELECTOR AUTOMATIC MODE	<p>Second setting of function selector, when the 1-G1 (1-G2) contact becomes open. Set the menu ADV &gt; STG1 (STG2) &gt; SAM.</p> <p>Connect the contact of a clock to 1-G1 (1-G2) terminals, and choose between the following values:</p> <p>OPEN = open door</p> <p>AUTO = automatic bi-directional operation</p> <p>CLOS = closed door</p> <p>1D = automatic one-way operation</p> <p>HAND = manual operation</p>	CLOS
<b>FW</b> FIRMWARE UPGRADE	<p>Programming procedure of function selector.</p> <p>Insert the USB memory in the electronic control.</p> <p>From this menu, choose the firmware version you want.</p> <p>Press ENTER until it starts the programming procedure that lasts about 30 seconds (the display shows "WAIT ••••"), at the end the display shows "SAVE".</p> <p>After the procedure, remove the USB memory from the electronic control and store it for future use.</p> <p>Note: in the case of programming error or missing firmware (W103), proceed as follows: disconnect the power supply, insert the USB memory, give power supply, and repeat the programming procedure from this menu.</p>	----
<b>VER</b> VERSION	<p>Displaying the firmware version of function selector (eg = 0435).</p>	----
<b>TIN</b> TAG INPUT	<p>You can upload the badges and numeric codes used in another automation, already stored in the USB/micro SD memory. Choose between the following values:</p> <p>NO = no upload</p> <p>YES = upload the badges and numeric codes from the USB/micro SD memory</p>	NO
<b>TOUT</b> TAG OUTPUT	<p>You can save the stored badges and numeric codes in the USB/micro SD memory. Choose between the following values:</p> <p>NO = no save</p> <p>YES = save the stored badges and numeric codes in the USB/micro SD memory</p>	NO

## 6.4 MEM (MEMORY MANAGEMENT MENU)

























Using the buttons ↑ and ↓ select MEM, press ENTER to select and adjust the following parameters.

Display	Description	Factory settings
<b>FSET</b> FACTORY SETTINGS	Restore all settings to factory defaults. Choose between the following values: NO = no restore. YES = restore to factory settings.	NO
<b>FW</b> FIRMWARE UPGRADE	Programming procedure of electronic control. Insert the USB memory in the electronic control. From this menu, choose the firmware version you want. Press ENTER until it starts the programming procedure that lasts about 30 seconds (the display shows "WAIT ••••"), at the end the display shows "SAVE". After the procedure, remove the USB/micro SD memory from the electronic control and store it for future use. Note: in the case of programming error or missing firmware (W100), proceed as follows: disconnect the power supply, insert the USB/micro SD memory, give power supply, the programming procedure starts automatically.	----
<b>SIN</b> SETTING INPUT	You can upload the menu settings used in another automation, already stored in the USB/micro SD memory. Choose between the following values: NO = no upload YES = upload the menu settings from the USB/micro SD memory	NO
<b>SOUT</b> SETTING OUTPUT	You can save the menu settings of automation in use, in the USB/micro SD memory. Choose between the following values: NO = no save YES = save the menu settings of automation in the USB/micro SD memory	NO

## 6.5 INFO (INFORMATION AND DIAGNOSTICS MENU)

Using the buttons ↑ and ↓ select INFO, press ENTER to select and adjust the following parameters.

Display	Description	Factory settings
<b>SHOW</b> DISPLAY INFO	Displaying information of warning and faults. Choose between the following values: CONT = the display shows the active contacts of the terminal blocks and the alarms. WARN = the display shows the alarms only.	CONT
<b>VER</b> VERSION	Displaying the firmware version of electronic control (eg = 0301).	----
<b>CYCL</b> CYCLES	Shows the number of cycles of the door (1 = 1.000 cycles, 9000 = 9.000.000 cycles).	0000
<b>SERV</b> SERVICE SIGNAL	Enabling the signaling of routine maintenance of the door. NO = no signaling 1 = 1.000 cycles / 9000 = 9.000.000 cycles	0000
<b>LOG</b> INFO OUTPUT	You can save the following information in the USB/micro SD memory (swing_log.txt): the last 20 warnings, the menu settings, and the electronic devices connected to automation. Choose between the following values: NO = no save YES = save the information in the USB/micro SD memory	NO
<b>WARN</b> WARNING LIST	Displaying of the last 10 warnings (the warning number 0 is the last): 0.xxx / 1.xxx / 2.xxx / 3.xxx / 4.xxx / 5.xxx / 6.xxx / 7.xxx / 8.xxx / 9.xxx	0.---

DISPLAY	SEL	FLASH	WARNING	CHECK
W001		1	Encoder error	Check encoder connection
W002		1	Motor short circuit	Check the connection of the motor
W003		1	Motor control error	Electronic control failure
W010		2	Direction reversed	Check the presence of obstacles
W011		2	Running too long	Check the connection between the motor and leaf
W012		2	Running too short	Check the presence of obstacles
W013		2	Overrun	Check the mechanical stops
W100	-	-	Programming error	Repeat the programming procedure in MEM > FW menu
W103	-	-	Programming error Selector	Repeat the programming procedure in SEL > FW menu
W127	-	-	Automation reset	The automation performs a self-test
W128		on	No power supply	Check the power supply
W129		1	No battery	Check the battery connection
W130		1	Low Battery	Replace or recharge the battery
W140		3	6A safety test failure	Check the safety sensor connection
W142		3	8A safety test failure	Check the safety sensor connection
W145		4	Motor overtemperature (first step)	The door reduces the speed
W146		4	Motor overtemperature (second step)	The door stops
W150		2	Obstacle in opening	Check the presence of obstacles
W151		2	Obstacle in closing	Check the presence of obstacles
W152		2	Door locked open	Check the presence of locks
W153		2	Door locked closed	Check the presence of locks
W156		2	Door moved manually	Wait about 5 seconds
W160		1	Synchronization error	Check the ADV > SYNC and the ADV > INK menu
W256		-	Power on	-
W257		-	Firmware update	-
W320		on	Signaling of maintenance	Check the INFO > SERV menu
W330		1	Tuning between motor and electronics	Wait about 3-30 seconds

## 7. START-UP PROCEDURE OF THE AUTOMATIC SWING DOOR

### 7.1 Preliminary checks.

At the end of the installation, move the doors manually and make sure that operation is smooth and without friction. Check the solidity of the structure and the proper attachment of all the screws. Check the correctness of all electrical connections. Make sure you have installed the mechanical stop of the open door.

Before connecting any security devices, leave the jumper on terminals safety (41-6A, 41-8A).

### 7.2 Giving power supply and connect the battery, if present.

Note: every time you switch on the automation performs a self-test (from 3 to 30 seconds). The first opening and closing cycle is at low speed to allow the automatic learning.

To ensure that the electronic control has the factory settings, restore via the menu:

MEM> FSET> YES (confirm by pressing ENTER for 1 second).

Select the type of automation via the menu: MENU > DOOR > SW2 / SW4 / SW5.

If the door is hinged on right, set as follow: MENU > OPEN > →

If the door is with articulated arm to push, set as follow: MENU > ARM > AA.

If the door is with sliding arm to push, set as follow: MENU > ARM > SA1.

Perform the menu settings as described in Chapter 6. Use OPEN button to perform the opening door, and verify the correct operation of the door.

Note: the automation automatically detects any obstacles during the closing movement (reversal movement) and opening (stopping movement).

If present, connect the electric lock of the door to the terminals (-LK \ +LK) of electronic control, and make the settings available in the ADV menu, as described in Chapter 5.8.

### 7.3 Connect one at a time, control and safety devices to protect the opening and closing cycle of the door, as described in Chapter 5.6, and verify proper operations.

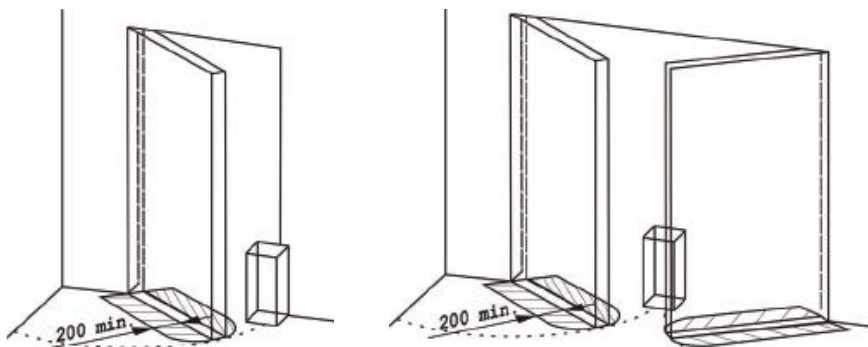
Note: verify that the opening access is properly protected by safety sensors, in accordance with the requirements of the European standard EN16005 (annex C), or make speed adjustments in accordance with European standards EN16005 (Annex G), as shown in chapter 5.7.

7.4 If the risk assessment of the door allows protection through Low Energy, make the adjustments in accordance with the prescriptions of the European standard EN16005 (Annex F1), as indicated in chapter 5.8.

7.5 At the end of the automation starting, deliver to the owner the user instructions, including all warnings and information necessary to maintain the security and functionality of the automatic door.

Automations are feature of label containing the required information by European standards EN16005 and EN60335-2-103.

Note: the manufacturer of the automatic swing door has to add his own label identifying the installation.



CAME S.p.A.	www.came.com
Via Martiri della Libertà, 15 - 31030 Dosson di Casier TV	
Type: <b>FLUO-SW3</b>	Standard: EN16005
DRIVE UNIT FOR SWING DOOR	
Input: 100-240V 50/60Hz Power: 70W	
Load: 40Nm	
Tmin: -15°C Tmax: +50°C IP20	
	Lot: 03 - 18 s/n: 0000020
	Year: 2018

## 8. TROUBLESHOOTING

In addition to the following list of possible problems, there are warnings provided by the display, as described in chapter 6.5.

Problem	Possible causes	Remedy
The automation does not open or close.	No power supply (display off).	Check the power supply.
	Short circuited external accessories.	Disconnect all accessories from terminals 0-1 and reconnect them one at a time (check for voltage 12V).
	The door is locked by bolts and locks.	Check the freely move of the doors
The automation does not perform the functions set.	Function selector incorrectly set.	Check and correct the settings of the function selector.
	Control devices or safety always activated.	Disconnect devices from the terminal and verify the operation of the door.
The movement of the doors isn't linear, or reverse the movement for no reason.	The automation does not successfully perform the automatic learning.	Perform a reset or power off and power on the automation.
The automation opens but does not close	Anomalies during the safety devices test.	Jumper contacts one at a time 41 -6A , 41 - 8A.
	The opening devices are activated.	Verify that the opening sensors are not subject to vibration , do not perform false detections or the presence of moving objects in the field of action.
	The automatic closing doesn't work.	Check the settings of the function selector .
Safety devices not activating.	Incorrect connections between the safety devices and electronic control.	Check that the safety contacts of the devices are properly connected to the terminal blocks and the relative jumpers have been removed.
The automation opens by itself.	The opening and safety devices are unstable or detect moving bodies	Verify that the opening sensors are not subject to vibration , do not perform false detections or the presence of moving bodies in the field of action.

## 9. AUTOMATIC SWING DOOR ROUTINE MAINTENANCE PLAN

To ensure proper operation and safe use of the automatic swing door, as required by European standard EN16005, the owner has to perform routine maintenance by qualified personnel.

Except for routine cleaning of the door, the responsibility of the owner, all maintenance and repair work must be carried out by qualified personnel.

The following table lists tasks related to routine maintenance, and the frequency of intervention related to an automatic swing door operation with standard conditions. In the case of more severe operating conditions, or in the case of sporadic use of the automatic swing door, the frequency of maintenance can be consistently adequate.

Task	Frequency
Remove the power supply, open the automation and perform the following checks and adjustments. - Check all screws fastening of components within the automation. - Check the state of wear of the hinges (if necessary replace them). - Verify correct mounting of the arm on the door. - In the case of SW4 automation, check the correct force of the closing spring. - If present, verify proper engagement of the electric lock.	Every 6 months or every 200.000 cycles.
Connect the power supply and perform the following checks and adjustments. - Check the correct operation of the control devices and safety. - Check the detection area of the security sensors complies with the requirements of the European standard EN16005. - If present, verify the correct operation of the electric lock. - If present, verify the correct operation of the battery power device (if necessary replace the battery).	Every 6 months or every 200.000 cycles.  Note: the verification of the automation security functions and safety devices must be made at least 1 time per year.

All maintenance, replacement, repair, update, etc.. must be written into the proof book, as required by European standard EN16005, and delivered to the owner of the automatic swing door.

For repairs or replacements of products, original spare parts must be used.

### 9.1 DISPOSAL OF PRODUCTS



The packaging materials (cardboard, plastic, and so on) should be disposed of as solid household waste, and simply separated from other waste for recycling.

Our products are made of various materials. Most of these (aluminum, plastic, iron, electrical cables) are classified as solid household waste. They can be recycled by separating them before dumping at authorized city plants.

Whereas other components (control boards, batteries, and so on) may contain hazardous pollutants.

These must therefore be disposed of by authorized, certified professional services.

Before disposing, it is always advisable to check with the specific laws that apply in your area.

**DO NOT DISPOSE IN THE ENVIRONMENT.**



[CAME.COM](http://CAME.COM)

**CAME S.P.A.**

Via Martiri Della Libertà, 15

31030 Dosson di Casier - Treviso - Italy

tel. (+39) 0422 4940 - fax. (+39) 0422 4941



# DICHIARAZIONE DI INCORPORAZIONE



ALLEGATO II, PARTE 1, SEZIONE B - DIRETTIVA 2006/42/CE

**Came S.p.A.** con sede in via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italia), in qualità di fabbricante e persona autorizzata a costituire la documentazione tecnica pertinente, **DICHIARA** che il prodotto o i prodotti qui descritti, sono conformi alle direttive e norme di cui sotto.

Tipo

**AUTOMAZIONE PER PORTE BATTENTI**

Modello

**FLUO-SW2 ; FLUO-SW3**

Direttive

2014/30/UE (EMC)  
2011/65/UE e 2015/863/UE (RoHS)

Norme

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

La documentazione tecnica pertinente è conforme all'allegato VIII della Direttiva 2006/42/CE e sono stati applicati i seguenti requisiti essenziali:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. si impegna a trasmettere, in risposta a una richiesta adeguatamente motivata dalle autorità nazionali, informazioni pertinenti sulle quasi-macchine.

Il fabbricante **VIETA** la messa in servizio della quasi-macchina finchè la macchina finale in cui deve essere incorporata non sia stata dichiarata conforme, se del caso, alle disposizioni della Direttiva 2006/42/CE.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Direttore Tecnico (con procura speciale)

# DECLARATION OF INCORPORATION



ANNEX II, PART 1, SECTION B – DIRECTIVE 2006/42/EC

**Came S.p.A.** with registered office in via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italy), as the manufacturer and person authorised to compile the relevant technical documentation, **DECLARES** that the product(s) described herein comply with the directives and standards below.

Type

SWING DOOR OPERATOR

Model

FLUO-SW2 ; FLUO-SW3

Directives

2014/30/EU (EMC)  
2011/65/EU and 2015/863/EU (RoHS)

Standards

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

The relevant technical documentation complies with Annex VII Part B of Directive 2006/42/EC, and the following essential requirements have been applied:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the partly completed machinery.

The manufacturer **PROHIBITS** putting the partly completed machinery into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of Directive 2006/42/EC, where appropriate.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Technical Director (with special proxy)

# DÉCLARATION D'INCORPORATION



ANNEXE II, PARTIE 1, SECTION B - DIRECTIVE 2006/42/CE

**La société Came S.p.A.** sise via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italie), en tant que fabricant et personne autorisée à établir la documentation technique correspondante, **DÉCLARE** que le ou les produits décrits dans le présent document sont conformes aux directives et aux normes énoncées ci-dessous.

Type

AUTOMATISME POUR PORTES BATTANTES

Modèle

FLUO-SW2 ; FLUO-SW3

Directives

2014/30/UE (EMC)

2011/65/UE et 2015/863/UE (RoHS)

Normes

EN IEC 61000-6-2:2019

EN 61000-6-3:2007+A1:2011

EN 62233:2008

EN 60335-1:2012+A11:2014+A13:2017+A14:

2019+A1:2019+A2:2019

EN 60335-2-103:2015

EN IEC 63000:2018

EN 16005:2012

EN ISO 13849-2:2013

La documentation technique pertinente est conforme à l'annexe VII B de la Directive 2006/42/CE et les exigences essentielles suivantes ont été appliquées :

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. s'engage à transmettre, à la suite d'une demande dûment motivée des autorités nationales, les informations pertinentes concernant les quasi-machines.

Le fabricant **INTERDIT** la mise en service de la quasi-machine tant que la machine finale dans laquelle elle doit être incorporée n'a pas été déclarée, le cas échéant, conforme aux dispositions de la directive 2006/42/CE.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Directeur technique (avec procuration spéciale)

## EINBAUERKLÄRUNG



ANHANG II, TEIL 1, ABSCHNITT B - RICHTLINIE 2006/42/EG

**Came S.p.A.** mit Sitz in Via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italien), Hersteller und Bevollmächtigter für die Zusammenstellung der entsprechenden technischen Unterlagen, **ERKLÄRT**, dass das/die hier beschriebene(n) Produkt(e) den nachstehenden Richtlinien und Normen entspricht/entsprechen.

Typ

ANTRIEB FÜR DREHTÜREN

Modell

FLUO-SW2 ; FLUO-SW3

Richtlinien

2014/30/EU (EMV)

2011/65/EU und 2015/863/EU (RoHS)

Bezugsnormen

EN IEC 61000-6-2:2019

EN 61000-6-3:2007+A1:2011

EN 62233:2008

EN 60335-1:2012+A11:2014+A13:2017+A14:

2019+A1:2019+A2:2019

EN 60335-2-103:2015

EN IEC 63000:2018

EN 16005:2012

EN ISO 13849-2:2013

Die einschlägigen technischen Unterlagen entsprechen Anhang VIII der Richtlinie 2006/42/EG, es wurden die folgenden grundlegenden Anforderungen berücksichtigt:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. verpflichtet sich, auf ein entsprechend begründetes Ersuchen der nationalen Behörden hin relevante Informationen über die unvollständigen Maschinen zu übermitteln.

Der Hersteller **VERBIETET** die Inbetriebnahme der unvollständigen Maschine so lange, bis erklärt wird, dass die Maschine, in die sie eingebaut werden soll, den Bestimmungen der Richtlinie 2006/42/EG (soweit anwendbar) entspricht.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Technischer Direktor (mit Sondervollmacht)

DECLARACIÓN DE  
INCORPORACIÓN

ANEXO II, PARTE 1, SECCIÓN B - DIRECTIVA 2006/42/CE

**Came S.p.A.** con domicilio social en via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italia), en calidad de fabricante y persona autorizada para elaborar la documentación técnica pertinente, **DECLARA** que el producto o productos aquí descritos son conformes a las directivas y normas que figuran a continuación.

Tipo

AUTOMATIZACIÓN PARA PUERTAS BATIENTES

Modelo

FLUO-SW2 ; FLUO-SW3

Directivas

2014/30/UE (EMC)

2011/65/UE y 2015/863/UE (RoHS)

Normas

EN IEC 61000-6-2:2019

EN 61000-6-3:2007+A1:2011

EN 62233:2008

EN 60335-1:2012+A11:2014+A13:2017+A14:

2019+A1:2019+A2:2019

EN 60335-2-103:2015

EN IEC 63000:2018

EN 16005:2012

EN ISO 13849-2:2013

La documentación técnica pertinente es conforme al anexo VIIB de la Directiva 2006/42/CE y se han aplicado los siguientes requisitos esenciales:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. se compromete a transmitir, en respuesta a un requerimiento debidamente motivado de las autoridades nacionales, información pertinente relativa a las cuasi máquinas.

El fabricante **PROHÍBE** la puesta en servicio de la cuasi máquina mientras la máquina final en la cual vaya a ser incorporada no haya sido declarada conforme, en su caso, a lo dispuesto en la Directiva 2006/42/CE.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Director técnico (con poder especial)

## INBOUWVERKLARING



BIJLAGE II, DEEL 1, GEDEELTE B - RICHTLIJN 2006/42/EG

**Came S.p.A.** met zetel in via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italië), in de hoedanigheid van fabrikant en persoon bevoegd om de relevante technische documentatie samen te stellen, **VERKLAART** dat het/de hierin beschreven product(en) voldoet/voldoen aan de richtlijnen en normen waarnaar hieronder wordt verwezen.

Type

## AUTOMATISERING VOOR KLAPDEUREN

Model

FLUO-SW2 ; FLUO-SW3

Richtlijnen

2014/30/EU (EMC)  
2011/65/EU en 2015/863/EU (RoHS)

Normen

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

De relevante technische documentatie voldoet aan bijlage VIIB van Richtlijn 2006/42/EG en de volgende essentiële eisen zijn toegepast:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. verbindt zich ertoe om, als antwoord op een naar behoren met redenen omkleed verzoek van de nationale autoriteiten, relevante informatie over niet-voltooide machines door te geven. De fabrikant **VERBIEDT** de inbedrijfstelling van de niet-voltooide machine totdat voor de afgewerkte machine waarin zij zal worden ingebouwd, in overeenstemming is verklaard met de bepalingen van Richtlijn 2006/42/EG.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Technisch directeur (met bijzondere machtiging)

DECLARAÇÃO DE  
INCORPORAÇÃO

ANEXO II, PARTE 1, SECÇÃO B - DIRETIVA 2006/42/CE

**Came S.p.A.** com sede em Via Martiri della Libertà, 15 - 31030 Dosson di Casier, Treviso (Itália), na qualidade de fabricante e pessoa autorizada para compilar a documentação técnica relevante, **DECLARA** que o produto ou os produtos aqui descritos, cumprem as diretivas e normas abaixo.

Tipo

## AUTOMATISMO PARA PORTAS DE BATENTE

Modelo

FLUO-SW2 ; FLUO-SW3

Diretivas

2014/30/UE (EMC)  
2011/65/UE e 2015/863/UE (RoHS)

Normas

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

A documentação técnica relevante está em conformidade com o Anexo VIII da Diretiva 2006/42/CE e foram aplicados os seguintes requisitos essenciais:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

A Came S.p.A. compromete-se a transmitir, em resposta a um pedido devidamente justificado das autoridades nacionais, informações relevantes sobre as quase-máquinas.

O fabricante **PROÍBE** a colocação em funcionamento da quase-máquina até que a máquina final, onde deve ser incorporada, seja declarada em conformidade, se preciso, com as disposições da Diretiva 2006/42/CE.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Diretor Técnico (com procuração especial)

## DEKLARACJA WŁĄCZENIA



ZAŁĄCZNIK II, CZĘŚĆ 1, SEKCJA B - DYREKTYWA 2006/42/WE

**Came S.p.A.** z siedzibą przy via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italia), jako producent i osoba upoważniona do sporządzenia odpowiedniej dokumentacji technicznej, **OŚWIADCZA**, że produkt lub produkty opisane w niniejszym dokumencie są zgodne z poniższymi dyrektywami i normami.

Typ

## NAPĘD DO DRZWI SKRZYDŁOWYCH

Model

FLUO-SW2 ; FLUO-SW3

Dyrektywy

2014/30/UE (EMC)  
2011/65/UE i 2015/863/UE (RoHS)

Normy

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

Odpowiednia dokumentacja techniczna jest zgodna z załącznikiem VIII Dyrektywy 2006/42/WE, a następujące zasadnicze wymagania zostały spełnione:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. zobowiązuje się do przekazania, w odpowiedzi na należycie uzasadniony wniosek organów państwowych, istotnych informacji na temat maszyn nieukończonych.

Producent **ZABRANIA** oddania do użytku maszyny nieukończonyj do czasu uznania maszyny końcowej, w którą ma ona zostać włączona, za zgodną z postanowieniami Dyrektywy 2006/42/WE, jeśli jest to wymagane.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Dyrektor techniczny (z pełnomocnictwem szczególnym)



## DECLARAȚIE DE ÎNCORPORARE



ANEXA II, PARTEA 1, SECȚIUNEA B - DIRECTIVA 2006/42/CE

**Came S.p.A.** cu sediul în strada Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italia), în calitate de fabricant și persoană autorizată să întocmească documentația tehnică corespunzătoare, **DECLARĂ** că produsul sau produsele descrise aici sunt conforme cu directivele și normele enumerate mai jos.

Tip

AUTOMATIZARE PENTRU UȘI BATANTE

Model

FLUO-SW2 ; FLUO-SW3

Directive

2014/30/UE (EMC)  
2011/65/UE și 2015/863/UE (RoHS)

Norme

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

Documentația tehnică aferentă este în conformitate cu anexa VIII din Directiva 2006/42/CE și au fost aplicate următoarele cerințe esențiale:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. se angajează să transmită, în urma unei cereri motivate corect de autoritățile naționale, informații relevante despre echipamente tehnice parțial finalizate.

Fabricantul **INTERZICE** punerea în funcțiune a echipamentului parțial finalizat până când mașina finală în care trebuie introdus nu a fost declarată în conformitate, dacă este cazul, cu dispozițiile Directivei 2006/42/CE.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Director tehnic (cu procură specială)

# IZJAVA O VGRADNJI DELNO DOKONČANIH STROJEV



PRILOGA II, ODDELEK 1, DEL B - DIREKTIVA 2006/42/ES

**Came S.p.A.** s sedežem na naslovu Via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italija), kot proizvajalec in oseba, pooblaščen za pripravo ustrezne tehnične dokumentacije, **IZJAVLJA**, da je/so tu opisani izdelek/izdelki v skladu s spodaj navedenimi direktivi in standardi.

Tip

AVTOMATIZACIJA KRILNIH VRAT

Model

FLUO-SW2 ; FLUO-SW3

Direktive

2014/30/EU (EMC)  
2011/65/EU in 2015/863/EU (RoHS)

Standardi

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

Zadevna tehnična dokumentacija je sestavljena v skladu z delom B Priloge VII Direktive 2006/42/ES, uporabljene pa so bile naslednje bistvene zahteve:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Proizvajalec Came S.p.A. se zavezuje, da bo na utemeljeno zahtevo nacionalnih organov posredoval ustrezne informacije o delno dokončanih strojih.

Proizvajalec **PREPOVEDUJE** dajanje delno dokončanega stroja v obratovanje, dokler ni dokončen stroj, v katerega bo vgrajen, razglašen za skladnega z določbami Direktive 2006/42/ES, kadar je to ustrezno.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Tehnični direktor (s posebnimi pooblastili)

## BEÉPÍTÉSI NYILATKOZAT



2006/42/EK IRÁNYELV - II. MELLÉKLET, 1. RÉSZ. B SZAKASZ

**Came S.p.A.** székhelye: via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Olaszország), mint gyártó és a vonatkozó műszaki dokumentáció összeállítására jogosult személy **KIJELENTI**, hogy az itt leírt termék(ek) megfelel(nek) az alábbiakban meghatározott irányelveknek és szabványoknak.

Típus

## AUTOMATIKA CSAPÓAJTÓKHOZ

Modell

FLUO-SW2 ; FLUO-SW3

Írányelvek

2014/30/EU (EMC)  
2011/65/EU és 2015/863/EU (RoHS)

Szabványok

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:  
2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

A vonatkozó műszaki dokumentáció megfelel a 2006/42/EK irányelv VIIB. mellékletének, és a következő alapvető követelmények kerültek alkalmazásra:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

A Came S.p.A. kötelezettséget vállal arra, hogy a nemzeti hatóságok kellően indokolt kérésére továbbítja a részben kész gépekre vonatkozó információkat.

A gyártó **TILTJA** a részben kész gép üzembe helyezését mindaddig, amíg a végleges gép, amelybe beépítik, nem kapja meg a 2006/42/EK irányelv rendelkezéseinek való megfeleléségre vonatkozó tanúsítványt.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Műszaki igazgató (külön meghatalmazással)

# DECLARATION OF INCORPORATION



ANNEX II, PART 1, SECTION B – THE SUPPLY OF MACHINERY (SAFETY) REGULATIONS 2008

**Came S.p.A.** with registered office in via Martiri della Libertà 15 - 31030 Dosson di Casier, Treviso (Italy), as the manufacturer and person authorised to compile the relevant technical documentation, **DECLARES** that the product(s) described herein comply with the directives and standards below.

Type

SWING DOOR OPERATOR

Model

FLUO-SW2 ; FLUO-SW3

Directives

Electromagnetic Compatibility Regulations 2016  
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

Standards

EN IEC 61000-6-2:2019  
EN 61000-6-3:2007+A1:2011  
EN 62233:2008  
EN 60335-1:2012+A11:2014+A13:2017+A14:2019+A1:2019+A2:2019  
EN 60335-2-103:2015  
EN IEC 63000:2018  
EN 16005:2012  
EN ISO 13849-2:2013

The relevant technical documentation complies with Annex VII Part B of Supply of Machinery (Safety) Regulations 2008, and the following essential requirements have been applied:

1.1.1; 1.1.2; 1.1.3; 1.1.5; 1.2.1; 1.2.3; 1.2.6; 1.3.1; 1.3.2; 1.3.4; 1.3.7; 1.3.8.1; 1.4.2.1; 1.5.1; 1.5.2; 1.5.5; 1.5.6; 1.5.7; 1.5.8; 1.5.10; 1.5.11; 1.6.1; 1.6.3; 1.6.4; 1.7.1; 1.7.3; 1.7.4; 1.7.4.1; 1.7.4.2; 1.7.4.3

Came S.p.A. undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the partly completed machinery.

The manufacturer **PROHIBITS** any putting into service until the final machinery into which it is to be incorporated has been declared in conformity with the Supply of Machinery (Safety) Regulations 2008, where appropriate.

Dosson di Casier (Treviso)  
07/09/2022

Antonio Milici - Technical Director (with special proxy)