

# AUTOMATIC DOORS 2021 CATALOGUE



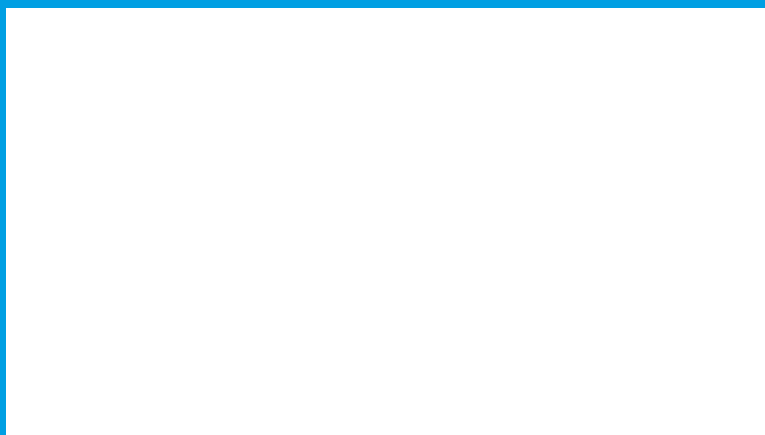
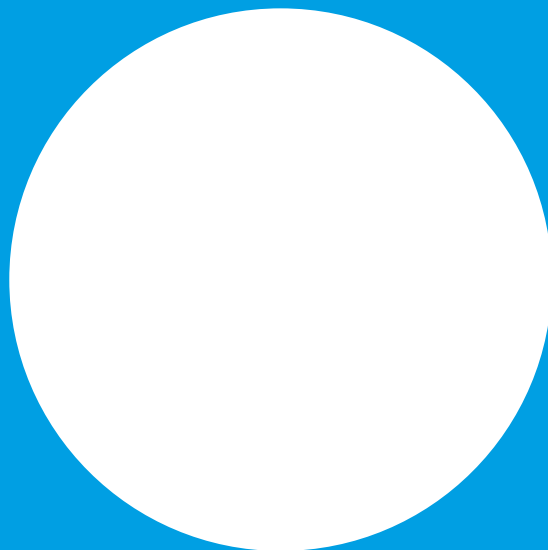
**CAME** 

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# AUTOMATIC DOORS



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# WE SPEAK ABOUT QUALITY LIVING IN EVERY LANGUAGE IN THE WORLD.

CAME has catered to people's needs for over 60 years by using technology as a key to a quality life. Every project drives our innovation and focus to make people's lives as comfortable as possible. CAME is a company where skills and experience come into play. Its know how blends functionality and design continuously improving performance.

You are sure that you can rely on professionals able to transform our innovations into solutions, to create customized automation proposals integrated with the best connectivity and mobility technologies. CAME and its partners, together, to satisfy its increasingly demanding and heterogeneous customers for their culture and needs, in order to transform living spaces into more intelligent and safe places.



## ALWAYS ONE-STEP-AHEAD

CAME is a market-leading brand that makes integrated automation solutions, video-entry, access control and parking systems for the public and private sectors. The CAME Group boasts a series of highly specialized companies. Together they cover a large share of their market. The group delivers cutting-edge solutions for the residential, business and urban segments. Whether its home automation or heating control, road barriers and high-security bollards, or automatic doors and sectional industrial doors, CAME Group is a key player. Today CAME is set on one, distinct corporate vision, which makes the organization a cutting-edge technological partner.

CAME  BPT

CAME  PARKARE

CAME  URBACO

CAME  GO

CAME  BTECH

CAME  ÖZAK

## RESIDENTIAL SOLUTIONS



## BUSINESS SOLUTIONS



## URBAN SOLUTIONS



### RESIDENTIAL SOLUTIONS

We have gone beyond the simple idea of Home Automation, and taken the concept full circle. Now every device is fully integrated and connected into a system that improves people's lives. Today, we believe automation is at the heart of everything: to handle the entrances and blinds, to control awnings and shutters, plus video intercom-entry systems, and burglar alarms.

### BUSINESS SOLUTIONS

For every public venue, our offer provides the most sophisticated systems for controlling accesses and the most evolved solutions for burglar systems, video-intercom entry panels and barriers for parking facilities. Small and large companies, commercial enterprises, large buildings: CAME-branded Building-Automation automations provide control and safety in both small and large working environments.

### URBAN SOLUTIONS

Our offer is geared to meet the different automation needs for urban planning and architectural scenarios. CAME solutions are engineered for managing safety and control in large works and for contributing to the planning of urban spaces so as to render them "Safe and Smart", as called for in today's fast-paced, metropolitan centers.



# THE OFFER



## AUTOMATIONS

- Gate automations
- Garage door automations
- Automations for industrial entrances



## AUTOMATIC BARRIERS

- Automatic barriers for parking facilities and tolls
- Automatic barriers for home or industrial use



## PARKING SYSTEMS

- Off-street solutions
- On-street solutions



## BOLLARDS AND ROAD BLOCKERS

- Bollards for the delimitation of traffic
- High security bollards and road blockers



## TURNSTILES AND SPEED GATES

- Turnstiles
- Speed gates
- Software for access control







## AUTOMATIC DOORS

- Sliding and swinging doors



## VIDEO DOOR ENTRY SYSTEMS,

- Video door entry systems
- Intercom systems



## SOLUTIONS FOR HOME CONTROL

- Temperature control devices
- Burglar-proof systems
- Home automation systems



## SOLUTIONS FOR AWNINGS AND BLINDS

- Automatic awnings and shutters
- Automations for rolling shutters



## SECTIONAL DOORS

- Garage doors
- Industrial doors



# OUR NETWORK NETWORK

## CAME Group operates the world over.

From its Treviso head office, home to the group's thriving core, CAME coordinates six manufacturing plants and five R&D units. The group has branches in 20 countries and thanks to its business partners and distributors, it has operations in 118 countries.

The complexity involved in living spaces and in mobility flows require ever greater protection and security, plus enhanced reactive capacity and greater know-how that embrace an integrated and global vision of the world.

We are the **technology partner** for those projects that require **integrated systems** for improving the quality of our living space - whether private or public. Our products are made for controlling homes, managing urban venues and workplaces, of any kind, anywhere in the world.

Our Group shares common goals, which go beyond single specializations. Thanks to the synergies among all our divisions and brands, we share an operating approach that enriches our diversity.

## BRANCHES IN THE AMERICAS

- Brazil
- Chile
- Mexico
- Peru
- USA

# 1700

OUR COLLABORATORS AROUND THE WORLD



## CAME HQ

Treviso, ITALY

## BRANCHES IN EUROPE

Italy	Poland
Belgium	Portugal
Croatia	Russia
France	Spain
Germany	The United Kingdom
Ireland	Turkey
Netherlands	

# 6

R&D CENTERS

# 21

COUNTRIES WITH DIRECT BRANCHES

# 118

COUNTRIES WITH PARTNERS AND DISTRIBUTORS

# 7

PRODUCTION PLANTS

Dosson di Casier - ITALY  
Sesto al Reghena - ITALY  
Spilimbergo - ITALY  
Hemel Hempstead - UK  
Entraigues - FRANCE  
Barcelona - SPAIN  
Kocaeli - TURKEY

## BRANCHES IN ASIA

India  
United Arab Emirates

## BRANCHES IN AFRICA

South Africa

# 480

WORLDWIDE DISTRIBUTORS AND PARTNERS

CAME.COM

# TRAINING THAT MAKES A DIFFERENCE.

## CAME TRAINING TEAM

Professional of this trade have a tough job, which always requires upgrading and updating. But technical and product evolution is not the only important thing; you must also be up to date on regulatory standards and customer relations, as the latter are ever more demanding in terms of efficient service.

CAME proposes a series of initiatives geared for spreading knowledge about its products and services to refresh installers on new technologies and applicable laws and regulations. Our courses are extremely practical, giving our participants, hands on knowledge which they can immediately apply.



### A TEAM OF PROS

CAME gives its own team of trainers, each specialized in certain product lines, to benefit professional contractors. The trainers are also our staff members. They have the know-how and experience to deliver finished projects, plus provide sales and technical assistance. Each course provides the attending industry contractors with all the necessary tools for their job, so they can stay abreast of the latest market developments.







## FOR INFORMATION AND REGISTRATION:



Access the specific training page of the [came.com/training](http://came.com/training) website



Send your request to [training@came.com](mailto:training@came.com)



Call for more information at +39 0422 15 69 511 during business hours.

Upon request, CAME will design and deliver courses, tailored around your needs, by setting up the learning path, course schedule and locations.

# IN THE VALUE OF ACTIONS, THE DRIVE TO IMPROVE, ALWAYS. QUALITY INSIDE PHILOSOPHY.

CAME's working methodology is based on the continuous improvement of production processes, security and relationships, but a great result can only be achieved if we all work in the same direction.

Q.I. comes from this awareness. - QUALITY INSIDE - a project that aims at involving CAME women and men and the professionals who use our products as a fundamental tool of their business.

The objectives are clear: we want to raise all the standards of production systems and make quality a widespread and shared value. To the traditional four phases that characterize all the production processes, Q.I. adds a continuous sharing process of the results obtained that aims to spread the positive practices and replicability of the standards achieved.

An evolution process that takes shape in a new culture of quality: not only the guiding principle of each action, but the yardstick by which to measure its effectiveness.

This scenario brings life to an organizational structure that makes for constant, fruitful and open dialogue among the fundamental areas of the CAME system:  
Engineering - Production - Service.







We implement a production model that allows to digitize each phase, integrating a complete testing methodology that involves 100% of our products and ensures product traceability and continuous improvement through constant monitoring of KPIs. In this context, Assistance and an always active Call Center service are of fundamental importance, as they allow us to increase our quality standards and to guarantee Customer Quality.



Find out more on **QUALITY INSIDE**  
[www.came.com/qi](http://www.came.com/qi)







# BRUSHLESS MOTORS FOR MAXIMUM EFFICIENCY

CAME solutions for pedestrian automatic doors are at the forefront in terms of efficiency and reliability.

All versions, both swing and sliding, are equipped with an innovative brushless DC motor.

The absence of brushes inside the system guarantees greater performance and lower maintenance costs.

CAME motors work at low speed, around 600 rpm: in this way the mechanical wear is considerably reduced, extending the product life more than 10 times compared to traditional solutions on the market.

Lower maintenance costs and reduced assistance become the key to a successful relationship between the installer and customer.

The Brushless motor of the FLUO range is a flexible solution, which can be installed in any type of environment, both residential and commercial: it adapts perfectly to professional settings, hospitals and medical clinics, and can be used for emergency exits .

FLUO automations are designed and manufactured in compliance with the safety requirements required by European regulations. Efficiency and reliability are certified by the TUV mark.



# FLUO-SWS3: BRUSHLESS MOTOR WITH OPERATOR



The use of brushless motors makes it possible to increase the automation efficiency, reducing electricity consumption by 30%. The operating life of a brushless motor is about ten times longer than that of a traditional motor and the frequency of extraordinary maintenance operations required is therefore drastically reduced.

The Brushless motor is connected to the operator unit by means of a belt, so as to obtain a high force for handling heavy doors, guaranteeing at the same time remarkable operating silence. The operator unit is also equipped with two springs that allow the door to close even when there is no power supply.

The large spring operates during the entire door operation and is designed to be very high performing and compact, guaranteeing mechanical closure with a smooth and safe movement.

The small spring, instead, acts only during the last 6° of closing, ensuring greater force in the final phase of the stroke, to overcome any resistance caused by locks or wind.



# DIRECT DRIVE SYSTEM FOR MAXIMUM SILENCE

The Brushless motor, equipped with a direct drive system on the belt without operator, combines high performance with low consumption.

Thanks to this technological innovation, the automations for sliding doors can work at reduced speeds, significantly reducing energy consumption.

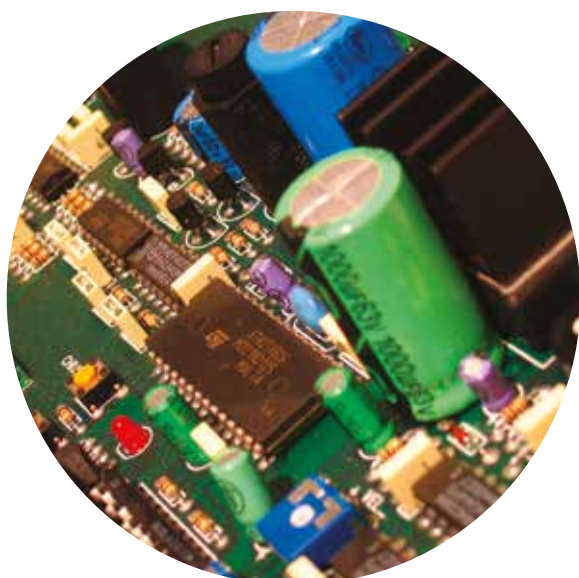
Furthermore, the noise is almost completely eliminated thanks to the gaskets that absorb the vibrations, guaranteeing an exceptional silent operation.

## ENERGY SAVINGS SOLUTIONS

The new FLUO range is equipped with the latest generation control board, with extended range power supply (100 - 240 V) and Switch mode. The 32-bit microcontroller can be easily configured thanks to an alphanumeric display that makes the settings easy and quick.

To further simplify the installation operations, the board is supplied with a standard pre-configuration: the professional, for basic applications, can simply use the default settings without having to load new parameters.

The motor is designed to work in any condition: thanks to the Switch mode it detects the voltage and automatically switches from 100 to 240 V. The low rotation speed reduces energy consumption by 54%.





# SIMPLE INSTALLATION

CAME focuses on quick and easy installation.

The support beam, thanks to the exclusive fixing system, can be installed by only one person, minimizing the time and costs for the operation.

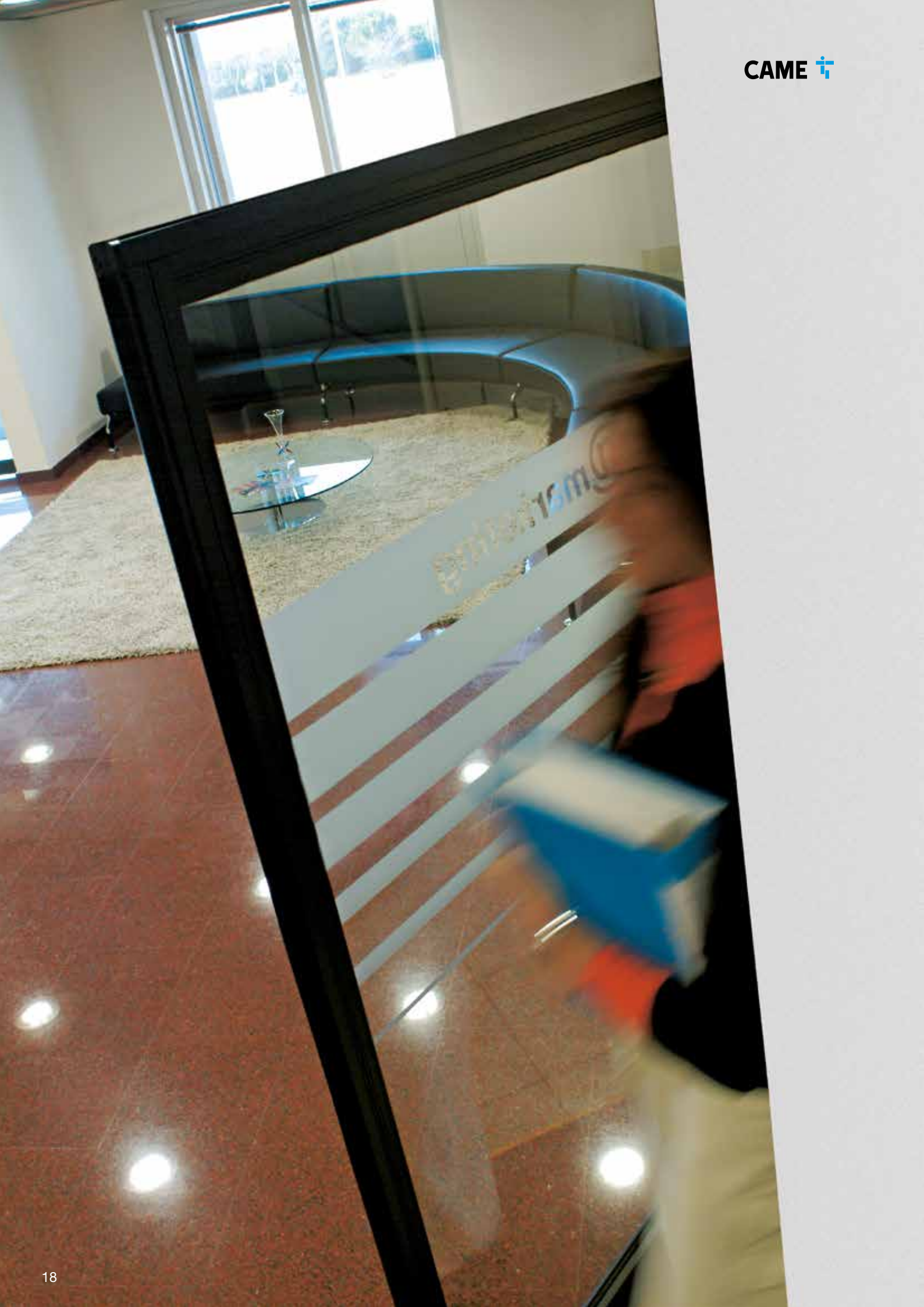
Even the internal components have been designed to limit the number of necessary tools, so as to make the whole job easier; in addition, the snap-on fixing mechanism facilitates the motor replacement and maintenance.

Even the sensor support follows the same innovation, and is directly connected to the bracket instead of to the body.

Thanks to the fixing by magnets it is not necessary to disconnect the wires or remove the cover, so all operations become extremely quick and simple.

**Working on automation is even more faster and safer.**





# A SELECTOR FOR EVERY NEED

The new function selectors, with a simple and intuitive interface, are available in two versions:

- 818XA-0074 selector with capacitive touch screen and integrated MiFare transponder module.
- 818XA-0075 basic model selector with numeric keypad.

The user can choose between 4 different levels of selector control:

- Control always active: function selector always accessible.
- Control by touching the selector: function selector accessible by touching the CAME logo.
- Contactless control via badge.
- Control by numerical code on basic model.

The selector switch is the main accessory for automation control and supports many functions:

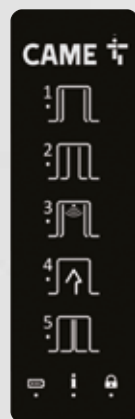
- Door open.
- Automatic bidirectional opening.
- Automatic unidirectional opening.
- Partially automatic opening.
- Door closed.

The selector also shows indications of malfunctions or requests for periodic maintenance of the device

818XA-0074



818XA-0075



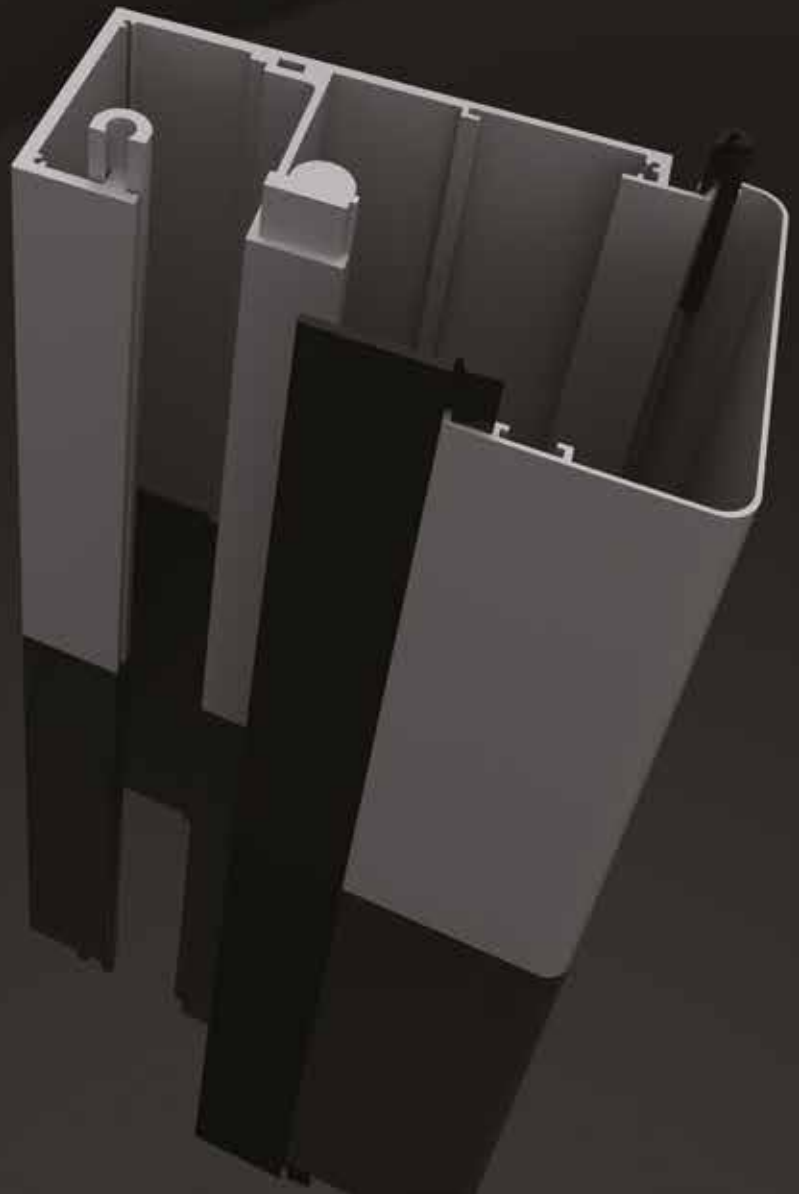
# DUAL RAIL: THE INNOVATIVE SYSTEM FOR TELESCOPIC DOORS

Installation and maintenance of telescopic doors is always very complex due to the difficulty of accessing the secondary leaf.

The DUAL RAIL system allows easy access to the secondary leaf because it leaves the sliding guide of the primary leaf suspended, connecting it to the profile of the box using modular brackets with front coupling.

The return system is characterized by a dual pulley transmission that allows to adjust the two doors separately, moving them by hand in a much simpler way than traditional telescopic solutions.

Once the installation or maintenance operations are completed, a quick locking system makes the two pulleys work again.





# FLUO-SL EMERGENCY

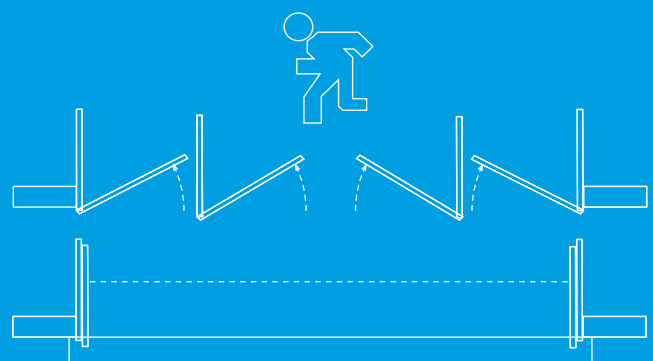
The international safety regulations require that emergency exit doors can be opened even if a power failure occurs. Usually, to meet this need, the automation requires the installation of bulky and inconvenient additional modules to complete the system.

CAME solutions use a Brushless motor with double winding and direct drive on the belt, without operator. The sophisticated control system constantly monitors the position and speed of the leafs to optimize torque, improving efficiency. The two windings are completely independent of each other and guarantee the door opening even in the event of an electrical failure or a blackout.

The electronic control unit has an additional emergency board installed directly on the main board and connected through a serial communication CAN bus.

Even if the two boards are installed together, the emergency board is completely independent from the main board because it is provided with its own microcontroller.

The European standard EN 16005, specifies the requirements for motor-powered pedestrian doors installed also in escape routes. The great advantage of FLUO EMERGENCY consists in being able to install, in emergency routes and exits, automations approved for this purpose, with standard sliding leaves, to replace the traditional automations with sliding push-to-open leaves, in the direction of emergency exit.



# AUTOMATIC SWING DOORS

TYPE

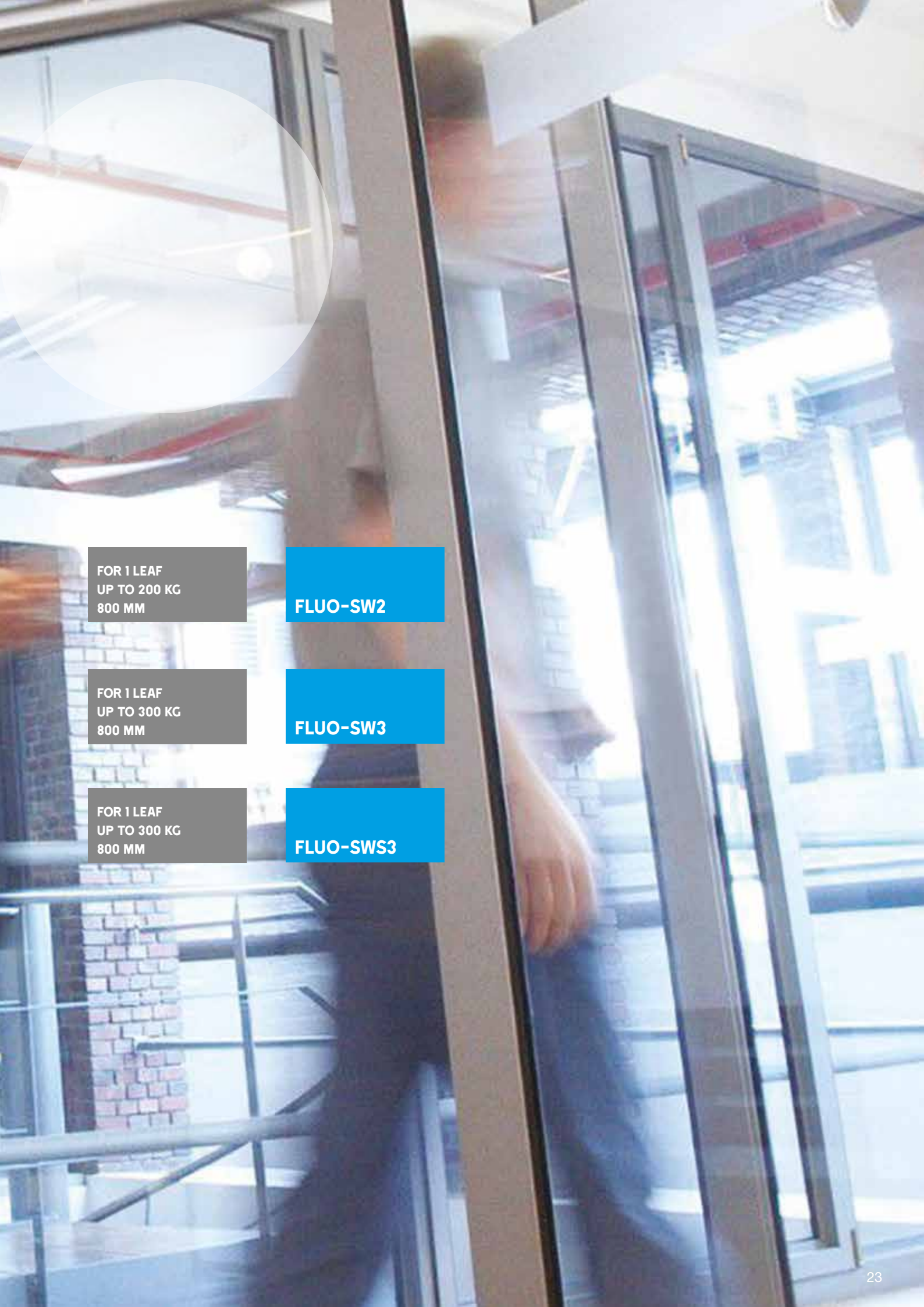
LIGHT

HEAVY

SPRING

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FOR 1 LEAF  
UP TO 200 KG  
800 MM

**FLUO-SW2**

FOR 1 LEAF  
UP TO 300 KG  
800 MM

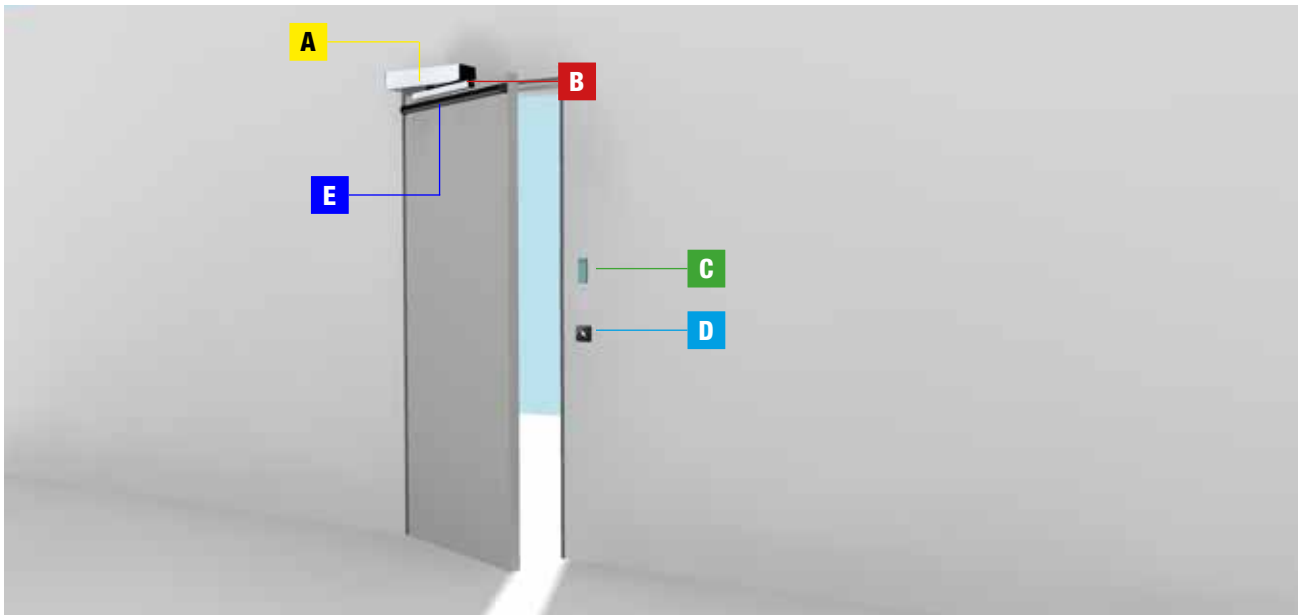
**FLUO-SW3**

FOR 1 LEAF  
UP TO 300 KG  
800 MM

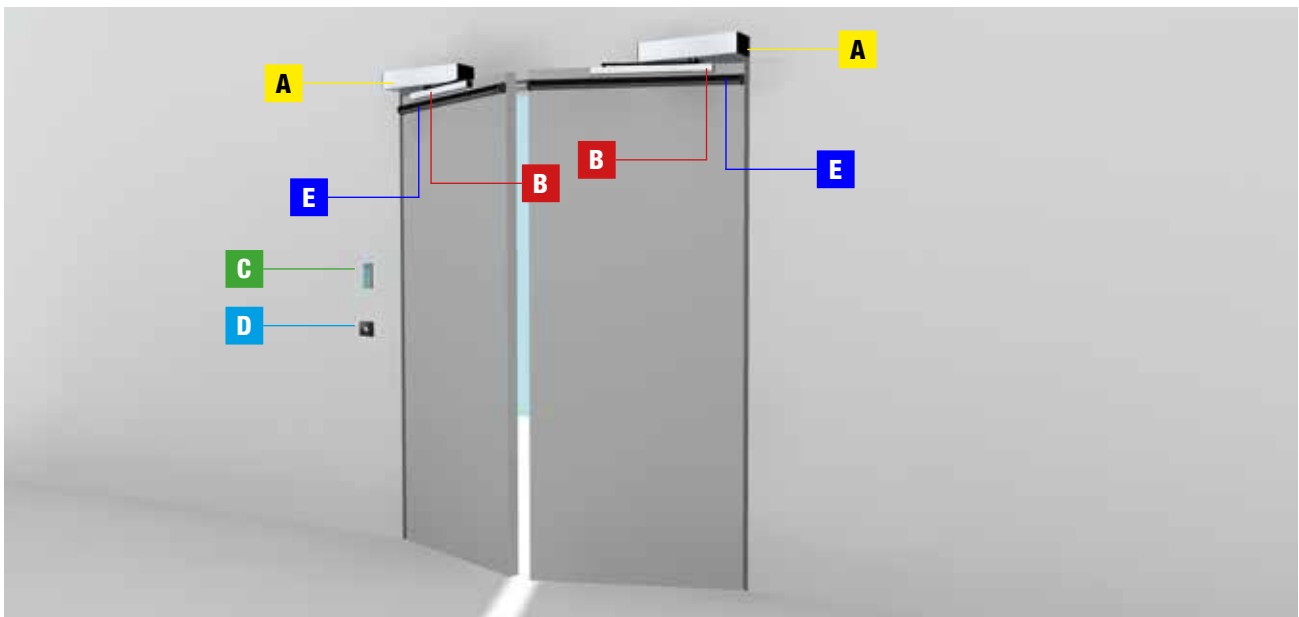
**FLUO-SWS3**

# STANDARD SWING DOOR INSTALLATIONS

## 1 SWING LEAF



## 2 SWING LEAVES



- A**
- Automation (control board-fitted operator)
  - Power outage emergency operation board.
  - Control panel

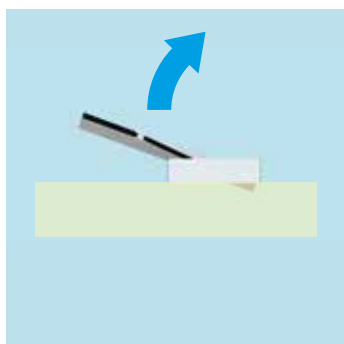
- B**
- Transmission lever

- C**
- Functions selector

- D**
- Swipe sensor

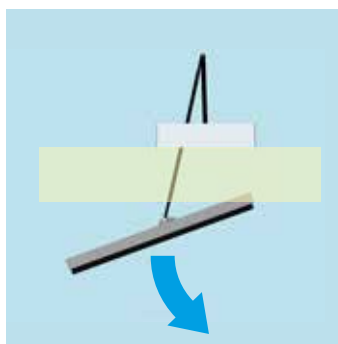
- E**
- Safety/control sensor

## TRANSMISSION ARMS



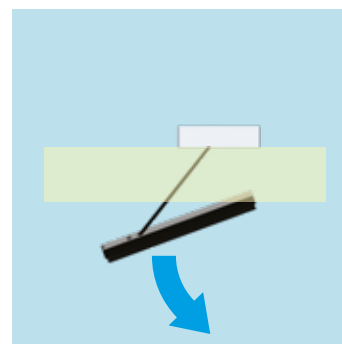
### STRAIGHT ARM TO BE PULLED

To be used when the door must open from the same side where the automation is installed.  
Equipped with mechanical limit switch.



### ARTICULATED PUSH ARM

To be used when the door must open on the opposite side from where the automation is installed.



### STRAIGHT PUSH ARM

To be used when the door must open on the opposite side from where the automation is installed.  
Equipped with mechanical limit switch.



### ALSO A SINGLE PROFILE CUT TO MEASURE

The 2-leaf hinged configuration of FLUO-SW can also be made using a single containment profile, cut to measure on customer request.



## CABLES FOR STANDARD INSTALLATION

CABLE LENGTH (m)	< 10	from 10 to 20	from 20 to 30
230 V AC Power supply	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Functions selector 818XA-0043 - 818XA-0050	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted
818XC-0039 Mechanical selector	3 x 0.5 mm <sup>2</sup>	-	-
12 - 24 V AC - DC touch sensors	4 x 1 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>
Command and control devices	*n° x 0.5 mm <sup>2</sup>	*n° x 0.5 mm <sup>2</sup>	*n° x 0.5 mm <sup>2</sup>

\*no. = see product fitting instructions -



# FLUO-SW

Extremely silent swing door thanks to the brushless DC motor.

Fully reversible operator.  
Emergency battery.





## EN 16005

This door has been designed and certified in accordance with the requirements of the European Standards.

## EASY TO INSTALL, SIMPLE TO USE

### EASY TO INSTALL

There is no need for specific structures as the automation can be installed directly on the upper part of the door, easily connecting the arm. The accessories can be connected quickly, directly to the main board through direct connection.

### A COMPLETE SOLUTION

- Low consumption and great reliability, thanks to the Brushless motor.
- Very silent during movement.
- Perfectly reversible for manual opening.
- Different movement arms, available for doors to push or pull.
- Available in spring closing version.

### INNOVATIVE ELECTRONIC CONTROL UNIT

- Pre-configured board for standard installations, without the need to set additional parameters.
- Fully customizable configurations for specific installations.
- Parameters setting and monitoring through alphanumeric display.
- Board with dedicated connectors for each individual accessory.
- Obstacle detection.



# FLUO-SW LIGHT - HEAVY

FLUO-SW2	LIGHT	UP TO 200 KG
FLUO-SW3	HEAVY	UP TO 300 KG



## Code Description

### FLUO-SW2 - Automations for 1 swing leaf doors with motor-powered opening and closing

**818SW-0010** Automation for 1 swing leaf with motor-powered opening and closing.  
Standard profile length L = 443 mm.  
Leaf maximum weight up to 200 Kg.



NOTE:

818SW-0010 FOR INDOOR APPLICATIONS DOES NOT SUBJECT TO WIND GUSTS

### FLUO-SW3 - Automations for 1 swing leaf doors with motor-powered opening and closing

**818SW-0020** Single automation for 1 swing leaf with motor-driven opening and closing.  
Standard profile length L = 463 mm.  
Leaf maximum weight up to 300 Kg.



**818SW-0090** Single automation for 1 swing leaf with motor-driven opening and closing.  
Maximum profile length cut to measure L = 1000 mm.  
Leaf maximum weight up to 300 Kg



**818SW-0100** Single automation for 1 swing leaf with motor-driven opening and closing.  
Maximum profile length cut to measure L = 2000 mm.  
Leaf maximum weight up to 300 Kg



**818SW-0110** Single automation for 1 swing leaf with motor-driven opening and closing.  
Maximum profile length cut to measure L = 3000 mm.  
Leaf maximum weight up to 300 Kg



### FLUO-SW3 - Automations for 2 swing leaves doors with motor-powered opening and closing

**818SW-0120** Single automation for 2 swing leaves with motor-driven opening and closing.  
Profile length cut to measure L Max. = 2000 mm.  
Leaf maximum weight up to 300 + 300 Kg.



**818SW-0130** Single automation for 2 swing leaves with motor-driven opening and closing.  
Profile length cut to measure L Max. = 3000 mm.  
Leaf maximum weight up to 300 + 300 Kg.



 36 V DC POWERED DEVICE  AUTOMATION WITH ENCODER

Code	Description
<b>Accessories</b>	
<b>818XC-0038</b>	Control board for operation during power outages and for recharging the batteries.
<b>Accessories</b>	
<b>818XA-0051</b>	Board for auxiliary contacts.
<b>818XA-0040</b>	Straight PULL arm.
<b>818XA-0041</b>	Hinged PUSH arm.
<b>818XA-0059</b>	Straight PUSH arm.
<b>818XC-0039</b>	Three-position mechanical function selector.
<b>818XA-0045</b>	17 mm spacer for FLUO-SW.
<b>818XA-0046</b>	34 mm spacer for FLUO-SW.
<b>818XA-0047</b>	51 mm spacer for FLUO-SW.
<b>818XA-0048</b>	68 mm spacer for FLUO-SW.
<b>818XA-0049</b>	85 mm spacer for FLUO-SW.
<b>Accessories for: 818XA-0040</b>	
<b>818XC-0040</b>	11 mm spacer for 818XA-0040.



 2 V DC POWERED DEVICE

# FLUO-SW SPRING

FLUO-SWS3

SPRING

UP TO  
300 KG



## Code

## Description

FLUO-SWS3 - Automations for single leaf swing doors with motor-driven opening and spring closing

### 818SW-0140



Automation for single leaf swing door with motor-driven opening and spring closing.  
Standard profile length L = 540 mm.  
Leaf maximum weight up to 300 Kg.




36 V DC POWERED DEVICE



AUTOMATION WITH ENCODER


Code	Description
------	-------------

**Accessories**


<b>818XC-0041</b> 	Card for operation during emergency black outs and for recharging the batteries complete with aluminium box.
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**Accessories**

<b>818XA-0069</b> 	Straight PULL arm.
--	--------------------




<b>818XA-0071</b> 	Hinged PUSH arm.
--	------------------




<b>818XA-0070</b> 	Straight PUSH arm.
--	--------------------



<b>818XC-0039</b>	Three-position mechanical function selector.
-------------------	--

<b>818XA-0072</b> 	44 mm spacer for FLUO-SW3.
--	----------------------------



<b>818XA-0073</b> 	79 mm spacer for FLUO-SW3.
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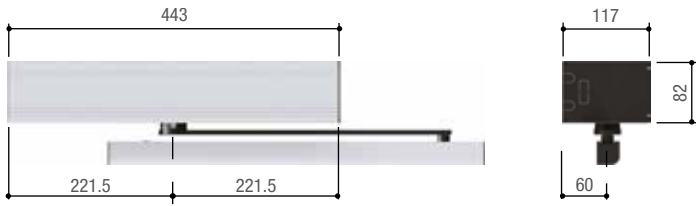


 12 V DC POWERED DEVICE



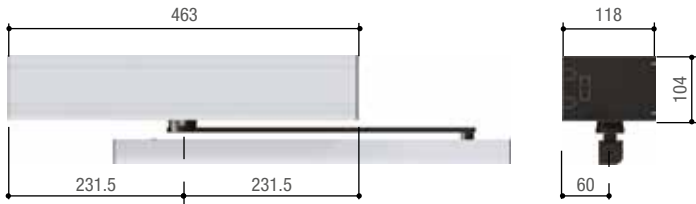
# DIMENSIONS (mm)

## FLUO-SW2



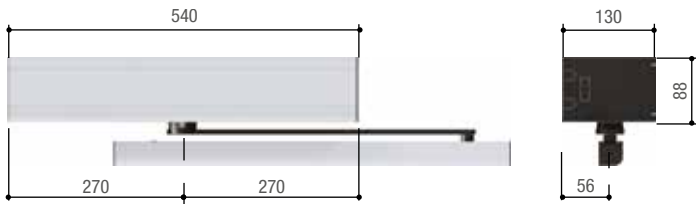
818SW-0010

## FLUO-SW3



818SW-0020  
818SW-0090  
818SW-0100  
818SW-0110  
818SW-0120  
818SW-0130

## FLUO-SWS3



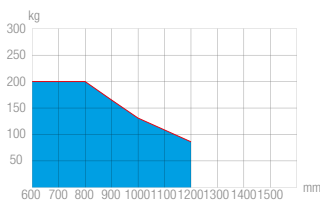
818SW-0140

# OPERATING LIMITS AND TECHNICAL CHARACTERISTICS

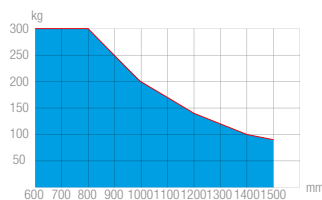
	LIGHT	HEAVY	SPRING
	FLUO-SW2	FLUO-SW3	FLUO-SWS3
Min./max. length of leaf (mm)	800 / 1200	800 / 1500	800 / 1500
Leaf max./min. weight (Kg)	200 / 80	300 / 80	300 / 80
IP protection rating	20	20	20
Power supply (V - 50/60 Hz)	100 - 240 AC	100 - 240 AC	100 - 240 AC
Motor power supply (V)	36 DC	36 DC	36 DC
Nominal power (W)	40	70	70
Stand by nominal power (W)	8	8	3
Maneuvering time 90° (s)	2 to 6	2 to 6	2 to 6
Intermittence/Duty-cycle (%)	CONTINUOUS SERVICES	CONTINUOUS SERVICES	CONTINUOUS SERVICES
Nominal load (N)	20	40	40
Operating temperature (°C)	-15 to +50	-15 to +50	-15 to +50

● 36 V DC

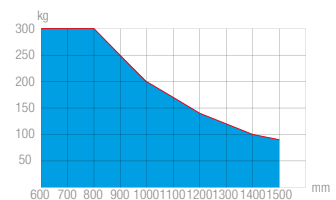
## FLUO-SW2 - LIGHT



## FLUO-SW3 - HEAVY



## FLUO-SWS3 - SPRING





## **SUITABLE FOR ALL TYPES OF DOORS**

FLUO-SW does not require a particular type of door to be installed, it is sufficient that the door is of good manufacture, made of wood, aluminium or plastic material. For the automation wall mounting it is essential to use suitable fastening systems based on the constructive nature of the support.

# AUTOMATIC SLIDING DOORS

TYPE

BASIC

STANDARD

TELESCOPIC

HEAVY

MAGNUM

**CAME** 

[CAME.COM](https://www.came.com)



**EMERGENCY  
VERSIONS**

FOR 1 LEAF  
UP TO 100 KG

FOR 2 LEAVES UP TO  
90 KG EACH

**FLUO-SLB**

**FLUO-SLBE**

FOR 1 LEAF  
UP TO 140 KG

FOR 2 LEAVES UP TO  
120 KG EACH

**FLUO-SLS**

**FLUO-SLE**

FOR 2 LEAVES UP TO  
100 KG EACH

FOR 4 LEAVES UP TO  
70 KG EACH

**FLUO-SLT**

**FLUO-SLTE**

FOR 1 LEAF  
UP TO 180 KG

FOR 2 LEAVES UP TO  
150 KG EACH

**FLUO-SLH**

FOR 1 LEAF  
UP TO 400 KG

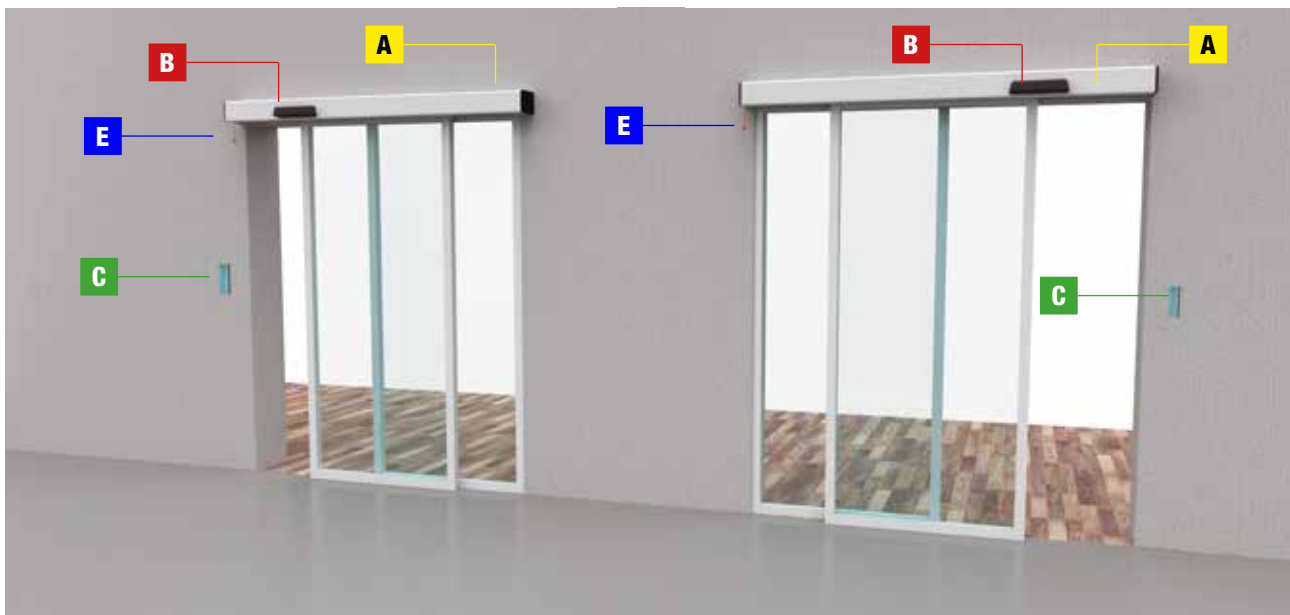
FOR 2 LEAVES UP TO  
250 KG EACH

**FLUO-SLM**

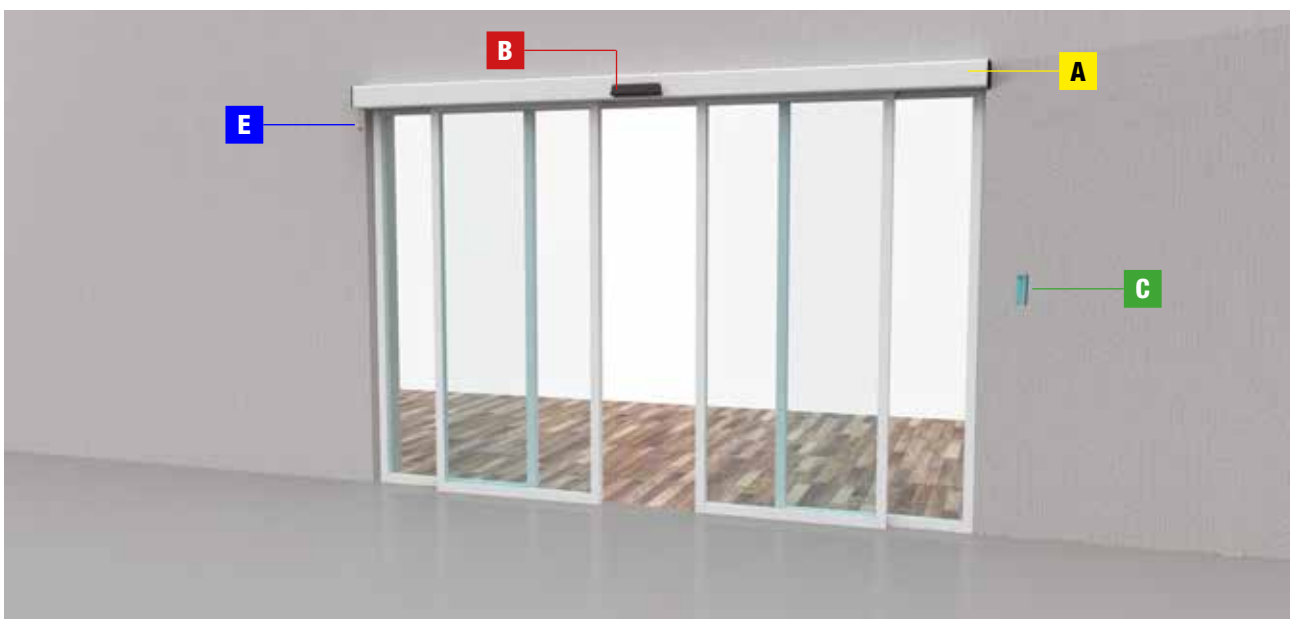
# SLIDING DOORS: STANDARD INSTALLATIONS

**1 SLIDING LEAF + 1 FIXED LEAF  
OPENING TOWARDS THE RIGHT**

**1 SLIDING LEAF + 1 FIXED LEAF  
OPENING TOWARDS THE LEFT**



**2 SLIDING LEAVES + 2 FIXED LEAVES**



- A**
- Automation (control board-fitted operator)
  - Power outage emergency operation board.
  - Control panel

- B**
- Indoor / outdoor sensor

- C**
- Functions selector

- E**
- Cord control for mechanical release

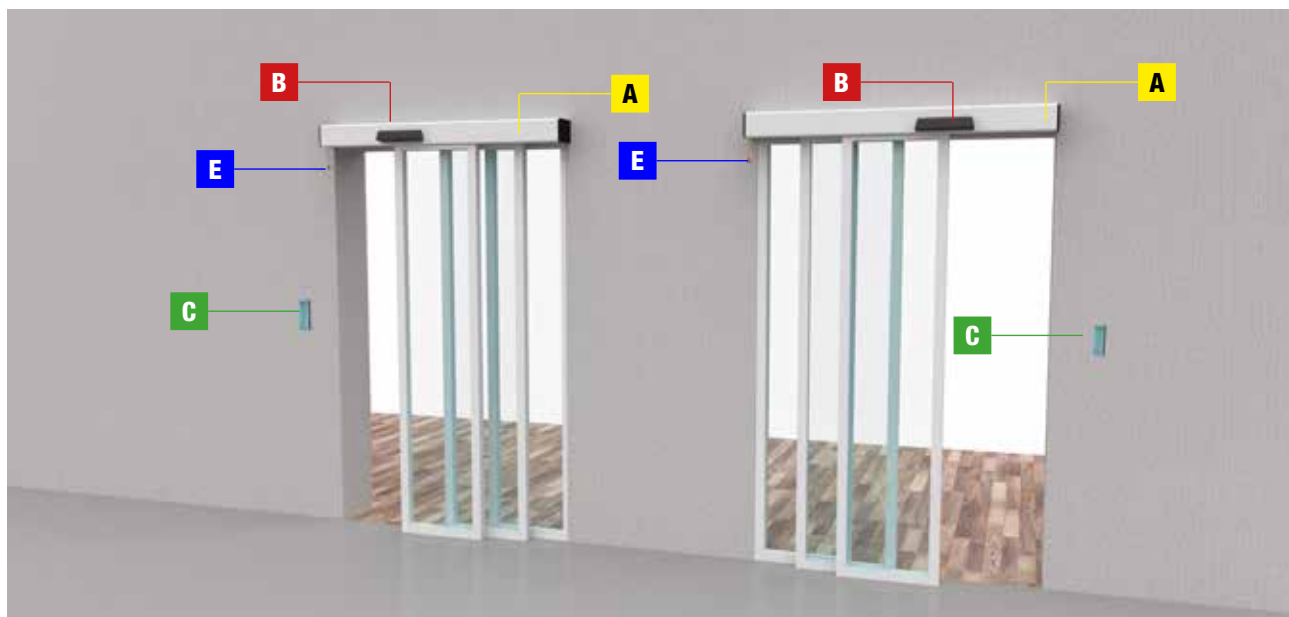
**NOTE**  
Fixed leaves are elements that are not always present and in any case they are not fundamental.



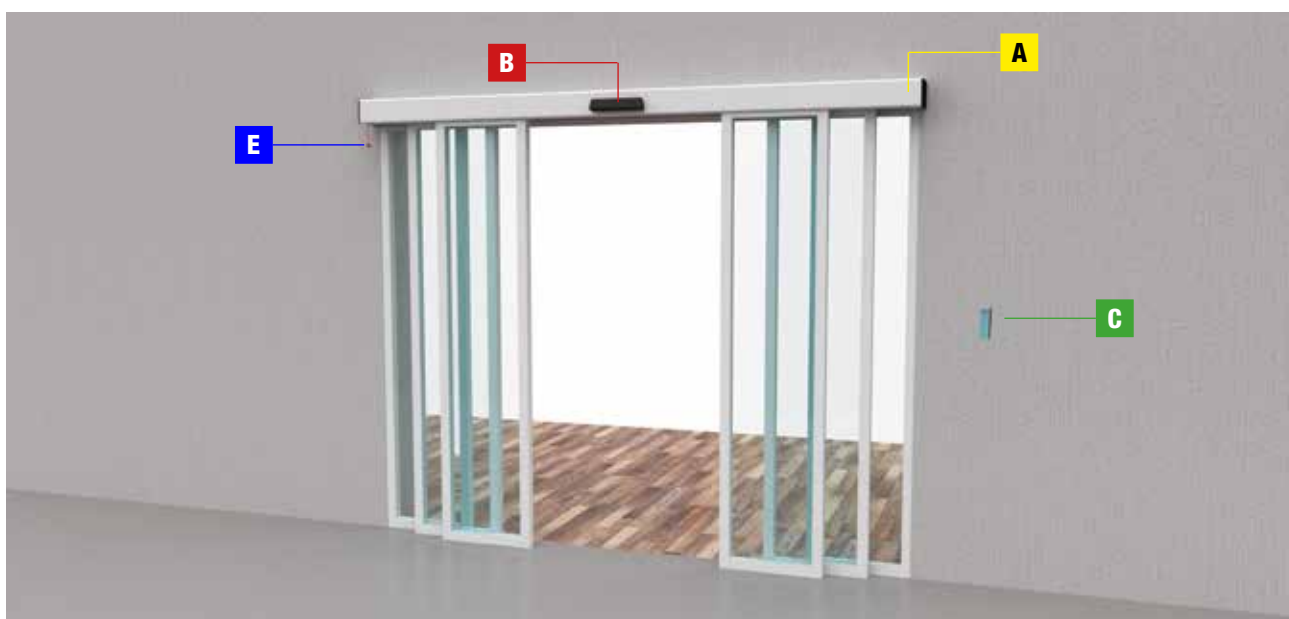
## TELESCOPIC DOORS: STANDARD INSTALLATIONS

### 2 TELESCOPIC LEAVES + 1 FIXED LEAF OPENING TOWARDS THE RIGHT

### 2 TELESCOPIC LEAVES + 1 FIXED LEAF OPENING TOWARDS THE LEFT



### 4 TELESCOPIC LEAVES



## CABLES FOR STANDARD INSTALLATION

CABLE LENGTH (m)	< 10	from 10 to 20	from 20 to 30
230 V AC Power supply	3G x 1.5 mm <sup>2</sup>	3G x 1.5 mm <sup>2</sup>	3G x 2.5 mm <sup>2</sup>
Functions selector 818XA-0043 - 818XA-0050	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted	UTP CAT 4 AWG24 - 4 x 0.5 mm <sup>2</sup> Bipolar twisted
12 - 24 V AC - DC touch sensors	4 x 1 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>	4 x 1 mm <sup>2</sup>
Command and control devices	*n° x 0.5 mm <sup>2</sup>	*n° x 0.5 mm <sup>2</sup>	*n° x 0.5 mm <sup>2</sup>

\*no. = see product fitting instructions -

## BEAM DIMENSIONS (mm)

FLUO-SLB  
 FLUO-SLBE  
 FLUO-SLS  
 FLUO-SLE  
 FLUO-SLH  
 FLUO-SLM

# BASIC STANDARD HEAVY MAGNUM

Ld = AUTOMATION LENGTH

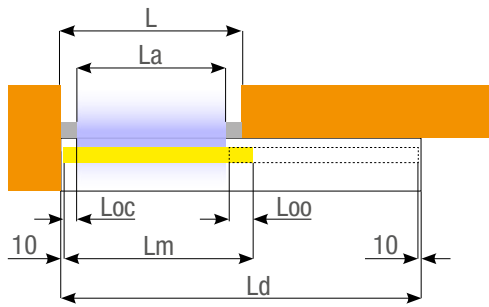
La = PASSAGE WIDTH

Lm = LEAF WIDTH

Loo = LEAF OVERLAPPING OPEN SIDE (depends on the type of door/gate)

Loc = LEAF OVERLAPPING CLOSE SIDE (depends on the type of door/gate)

### 1 SLIDING DOOR WITH RIGHT OR LEFT OPENING

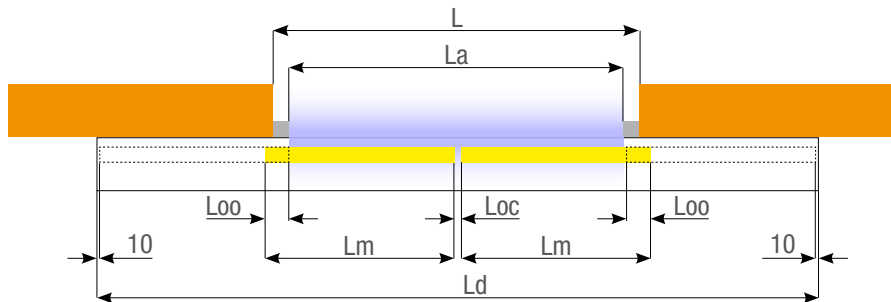


$$Ld = La + Lm + Loc + 20 \text{ AUTOMATION LENGTH}$$

$$La = Lm - Loc - Loo \text{ PASSAGE WIDTH}$$

$$Lm = La + Loc + Loo \text{ LEAF WIDTH}$$

### TWO SLIDING LEAVES



$$Ld = La + 2Lm + 20 \text{ AUTOMATION LENGTH}$$

$$La = 2Lm - Loc - 2Loo \text{ PASSAGE WIDTH}$$

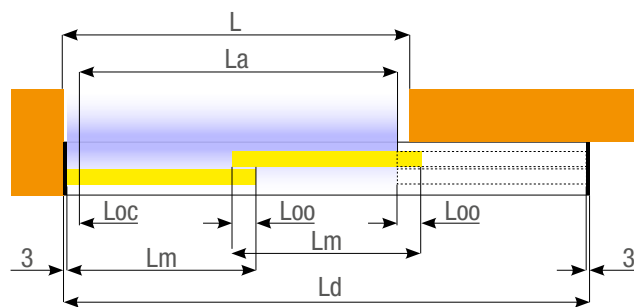
$$Lm = (La - Loc + 2Loo) / 2 \text{ LEAF WIDTH}$$

FLUO-SLT  
FLUO-SLTE

# TELESCOPIC

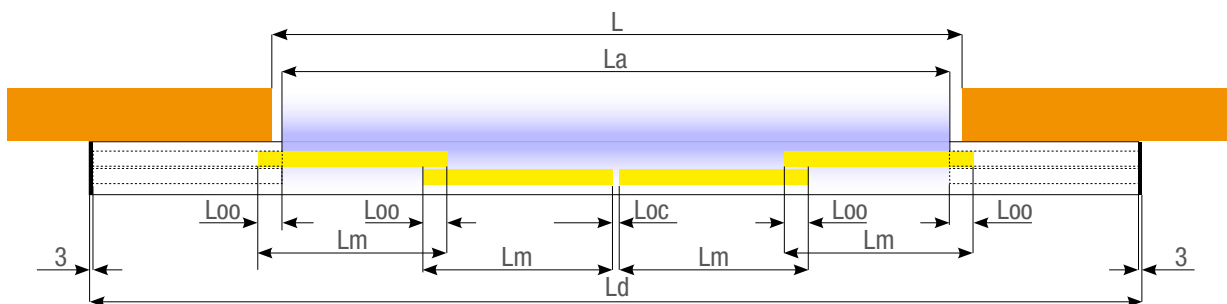
- MASONRY WALL
- MOVEMENT OVERALL DIMENSIONS
- AUTOMATION PROFILE
- MOVING LEAF/LEAVES
- PASSAGE COMPARTMENT

## 2 TELESCOPIC LEAFS WITH RIGHT OR LEFT OPENING



**$L_d = L_a + 2L_m + 6$**  AUTOMATION LENGTH  
 **$L_a = 2L_m + L_{oc} - 2L_{oo}$**  PASSAGE WIDTH  
 **$L_m = (L_a - L_{oc} + 2L_{oo}) / 2$**  LEAF WIDTH

## 4 TELESCOPIC LEAVES

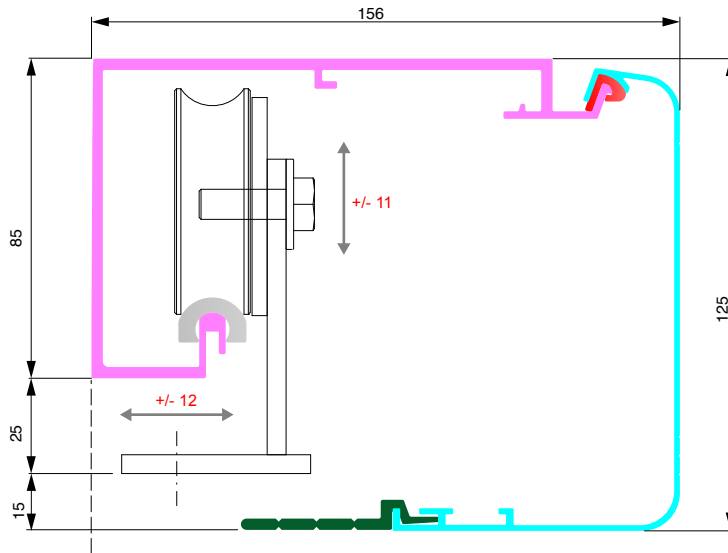


**$L_d = L_a + 2L_m + 6$**  AUTOMATION LENGTH  
 **$L_a = 4L_m + L_{oc} - 4L_{oo}$**  PASSAGE WIDTH  
 **$L_m = (L_a - L_{oc} + 4L_{oo}) / 4$**  LEAF WIDTH

# BEAM SECTION scale 1: 2 (mm)

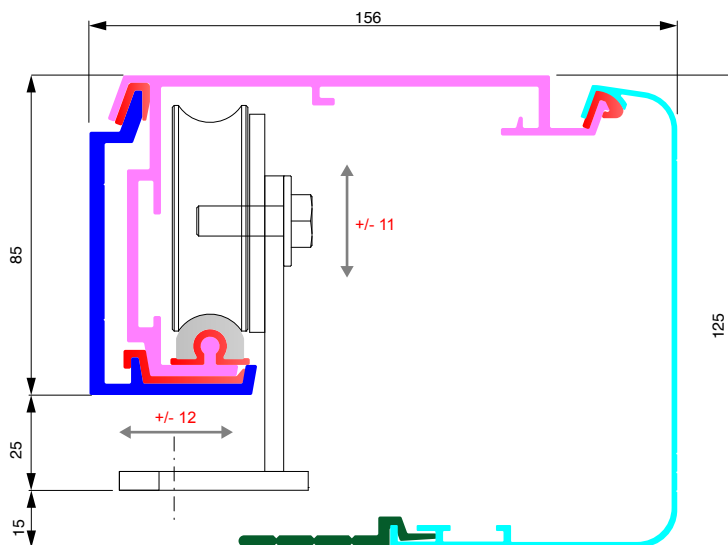
FLUO-SLB  
FLUO-SLBE

## BASIC



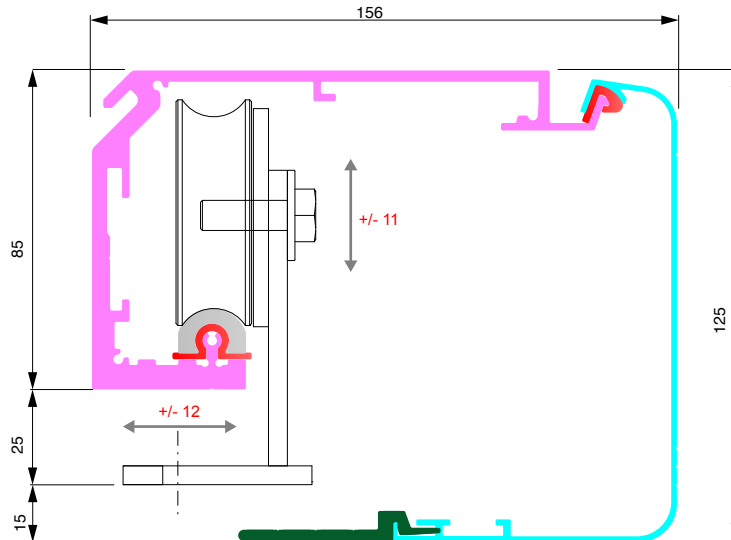
FLUO-SLS  
FLUO-SLE  
FLUO-SLH

## STANDARD HEAVY



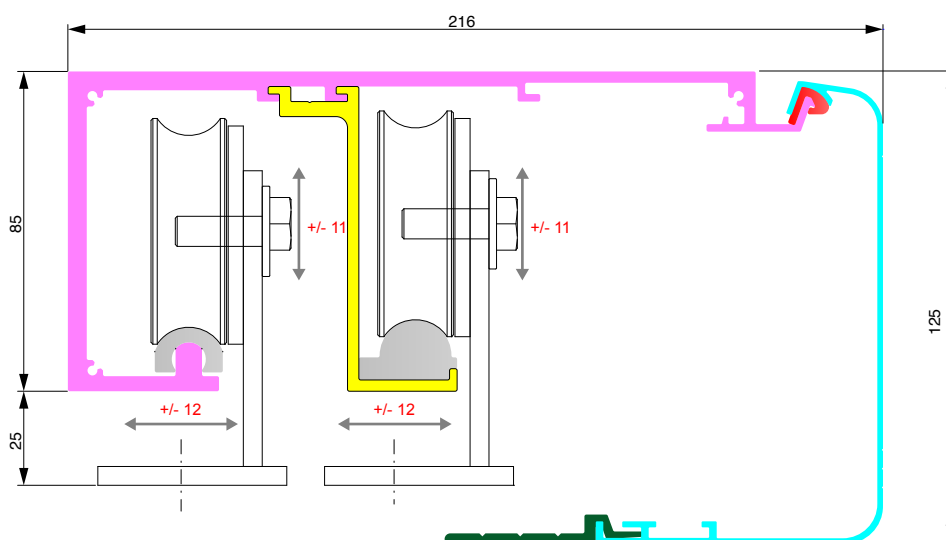
FLUO-SLM

# MAGNUM



FLUO-SLT  
FLUO-SLTE

# TELESCOPIC



- BEAM PROFILE
- ANTI-VIBRATING PROFILES
- COVERING CARTER PROFILE

- CASING CLOSING GASKET
- BEAM COUPLING PROFILE
- SECOND LEAF CONNECTION PROFILE



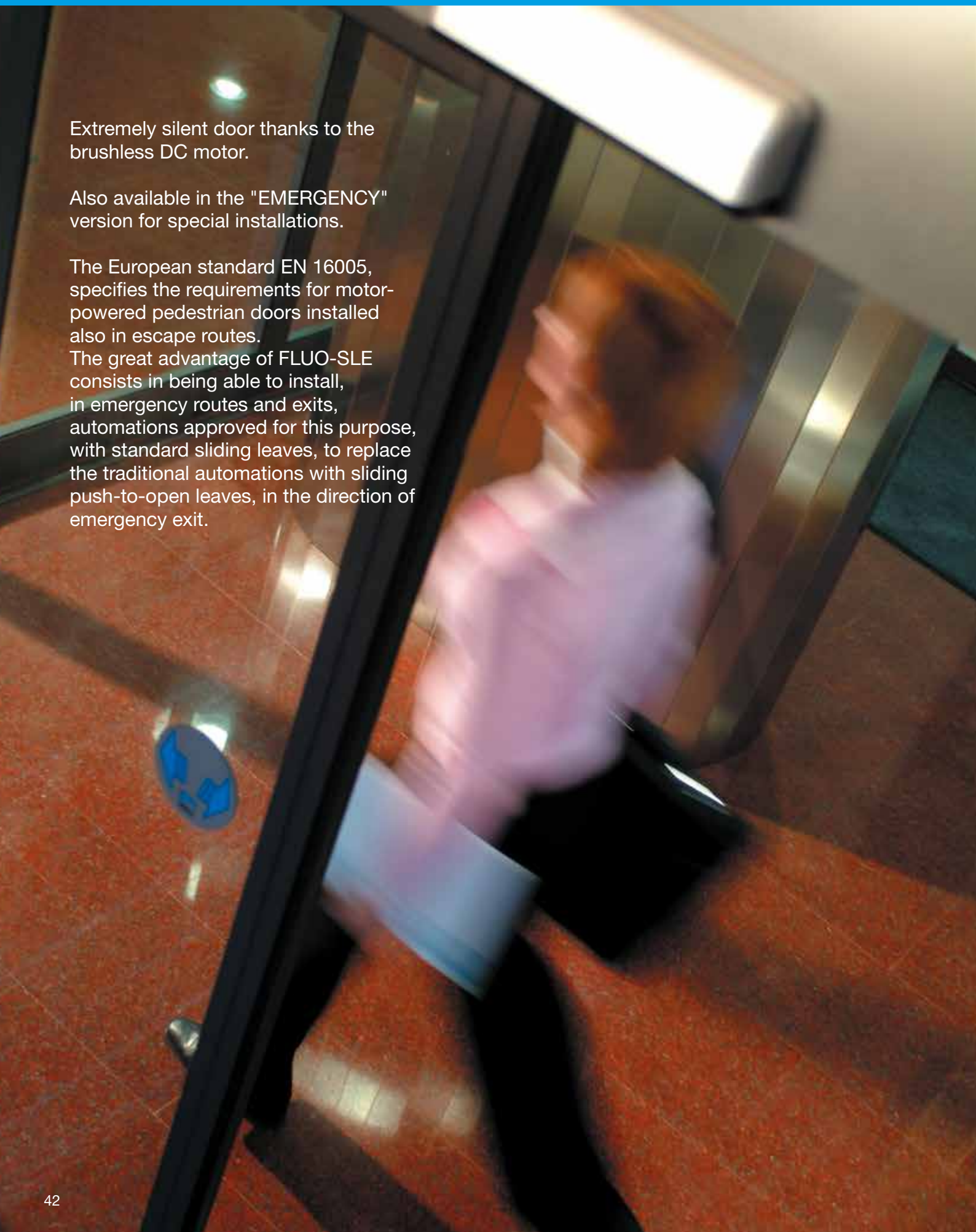
# FLUO-SL

Extremely silent door thanks to the brushless DC motor.

Also available in the "EMERGENCY" version for special installations.

The European standard EN 16005, specifies the requirements for motor-powered pedestrian doors installed also in escape routes.

The great advantage of FLUO-SLE consists in being able to install, in emergency routes and exits, automations approved for this purpose, with standard sliding leaves, to replace the traditional automations with sliding push-to-open leaves, in the direction of emergency exit.





## A HIGH-TECH SYSTEM FOR LIMITED SPACES

### A COMPLETE SOLUTION

- Low consumption, thanks to the Brushless motor with direct drive technology.
- Very silent during movement.
- Power supply switching from 100 to 240 V 50/60 Hz.
- High performance with doors up to 400 Kg.
- Assembly kit available for quick installation.

### INNOVATIVE ELECTRONIC CONTROL UNIT

- Pre-configured board for standard installations, without the need to set additional parameters.
- Fully customizable configurations for specific installations.
- Parameters setting and monitoring through alphanumeric display.
- Backup system through Micro SD board.
- Board with dedicated connectors for each individual accessory.
- Obstacle detection.

### EMERGENCY EXITS

- EMERGENCY version available for emergency exits installation.
- Compatible with the 818XG-0016 sensor and with the 818XA-0043 digital selector + 001TSTM1 badge transponder, this solution complies with international regulations for emergency exits and is TUV certified (check the national and local limits).

# FLUO-SL BASIC

FLUO-SLB  
FLUO-SLBE

1 LEAF UP TO  
100 KG

2 LEAVES UP TO  
90 KG EACH



## Code Description

### Complete automations with Brushless motor

**818SL-0050 / 59**

Complete automation for door with one moving leaf.



**818SL-0060 / 69**

Complete automation for door with two moving leaves.



### Complete automations with Brushless motor, EMERGENCY version

**818SL-0070 / 79**

Complete automation for door with one moving leaf, with EMERGENCY function.



**818SL-0080 / 89**

Complete automation for door with two moving leaves, with EMERGENCY function.



NOTE:

System completion accessories see page 48.

42 V DC POWERED DEVICE AUTOMATION WITH ENCODER

## FLUO-SLB ASSEMBLED AUTOMATIONS

FLUO-SLB 1 LEAF	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	FLUO-SLB 2 LEAVES	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
CODE	Ld (mm)	La (mm)	Lm (mm)	CODE	Ld (mm)	La (mm)	Lm (mm)
818SL-0050	2000	925	1015	818SL-0060	2000	940	2 x 520
818SL-0051	2200	1025	1115	818SL-0061	2200	1040	2 x 570
818SL-0052	2600	1225	1315	818SL-0062	2600	1240	2 x 670
818SL-0053	3000	1425	1515	818SL-0063	3000	1440	2 x 770
818SL-0054	3300	1575	1665	818SL-0064	3300	1590	2 x 845
818SL-0055	3600	1725	1815	818SL-0065	3600	1740	2 x 920
818SL-0056	4000	1925	2015	818SL-0066	4000	1940	2 x 1020
818SL-0057	4400	2125	2215	818SL-0067	4400	2140	2 x 1120
818SL-0058	5000	2425	2515	818SL-0068	5000	2440	2 x 1270
818SL-0059	6600	3225	3315	818SL-0069	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

## FLUO-SLBE ASSEMBLED AUTOMATIONS WITH EMERGENCY FUNCTION

FLUO-SLBE 1 LEAF	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	FLUO-SLBE 2 LEAVES	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
CODE	Ld (mm)	La (mm)	Lm (mm)	CODE	Ld (mm)	La (mm)	Lm (mm)
818SL-0070	2000	925	1015	818SL-0080	2000	940	2 x 520
818SL-0071	2200	1025	1115	818SL-0081	2200	1040	2 x 570
818SL-0072	2600	1225	1315	818SL-0082	2600	1240	2 x 670
818SL-0073	3000	1425	1515	818SL-0083	3000	1440	2 x 770
818SL-0074	3300	1575	1665	818SL-0084	3300	1590	2 x 845
818SL-0075	3600	1725	1815	818SL-0085	3600	1740	2 x 920
818SL-0076	4000	1925	2015	818SL-0086	4000	1940	2 x 1020
818SL-0077	4400	2125	2215	818SL-0087	4400	2140	2 x 1120
818SL-0078	5000	2425	2515	818SL-0088	5000	2440	2 x 1270
818SL-0079	6600	3225	3315	818SL-0089	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

NOTE:

In EMERGENCY automation applications always consider the appropriate choice of control and safety devices (SEE TECHNICAL MANUAL)

## Kit for assembling BASIC • FLUO-SLB sliding doors

**8K18SL-003**

FLUO-SLB complete automation kit for doors with one moving leaf.



## Kit for assembling BASIC • FLUO- SLBE sliding doors EMERGENCY version

**8K18SL-004**

FLUO-SLBE complete automation kit for doors with one moving leaf.



## Accessory for assembling BASIC sliding doors

**818XA-0030**

Second leaf automation kit for FLUO-SLB and FLUO-SLE doors.



## NOTE:

System completion accessories see page 48.



The European standard EN 16005, specifies the requirements for motor-powered pedestrian doors installed also in escape routes. The great advantage of FLUO EMERGENCY consists in being able to install, in emergency routes and exits, automations approved for this purpose, with standard sliding leaves, to replace the traditional automations with sliding push-to-open leaves, in the direction of emergency exit.

## OPERATING LIMITS AND TECHNICAL CHARACTERISTICS

	BASIC				EMERGENCY			
	FLUO-SLB		FLUO-SLB		FLUO-SLBE		FLUO-SLBE	
	1 LEAF		2 LEAVES		1 LEAF		2 LEAVES	
Min./max. length of leaf (mm)	1015	3015	520	1670	1015	3015	520	1670
Max leaf weight (kg)	100		90 + 90		100		90 + 90	
Certification	TÜV Thüringen		TÜV Thüringen		TÜV Thüringen		TÜV Thüringen	
IP protection rating	20		20		20		20	
Power supply (V - 50/60 Hz)	100 - 240 AC		100 - 240 AC		100 - 240 AC		100 - 240 AC	
Nominal power (W)	70		70		70		70	
Stand by nominal power (W)	10		10		10		10	
Maximum operating speed (m/s)	<b>0.8</b>		<b>1.6</b>		<b>0.8</b>		<b>1.6</b>	
Intermittence/Duty-cycle (%)	CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION	
Nominal load (N)	150		150		150		150	
Operating temperature (°C)	-15 to +50		-15 to +50		-15 to +50		-15 to +50	

● 42 V DC

# FLUO-SL STANDARD

FLUO-SLS  
FLUO-SLE

1 LEAF UP TO  
140 KG

2 LEAVES UP TO  
120 KG EACH



## Code Description

### Complete automations with Brushless motor

**818SL-0020 / 29** Complete automation for door with one moving leaf.



**818SL-0040 / 49** Complete automation for door with two moving leaves.



### Complete automations with Brushless motor, EMERGENCY version

**818SL-0010 / 19** Complete automation for door with one moving leaf, with EMERGENCY function.



**818SL-0030 / 39** Complete automation for door with two moving leaves, with EMERGENCY function.



NOTE:

System completion accessories see page 48.

42 V DC POWERED DEVICE AUTOMATION WITH ENCODER

## FLUO-SLS ASSEMBLED AUTOMATIONS

FLUO-SLS 1 LEAF	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	FLUO-SLS 2 LEAVES	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
CODE	Ld (mm)	La (mm)	Lm (mm)	CODE	Ld (mm)	La (mm)	Lm (mm)
818SL-0020	2000	925	1015	818SL-0040	2000	940	2 x 520
818SL-0021	2200	1025	1115	818SL-0041	2200	1040	2 x 570
818SL-0022	2600	1225	1315	818SL-0042	2600	1240	2 x 670
818SL-0023	3000	1425	1515	818SL-0043	3000	1440	2 x 770
818SL-0024	3300	1575	1665	818SL-0044	3300	1590	2 x 845
818SL-0025	3600	1725	1815	818SL-0045	3600	1740	2 x 920
818SL-0026	4000	1925	2015	818SL-0046	4000	1940	2 x 1020
818SL-0027	4400	2125	2215	818SL-0047	4400	2140	2 x 1120
818SL-0028	5000	2425	2515	818SL-0048	5000	2440	2 x 1270
818SL-0029	6600	3225	3315	818SL-0049	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

## FLUO-SLSE ASSEMBLED AUTOMATIONS WITH EMERGENCY FUNCTION

FLUO-SLE 1 LEAF	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	FLUO-SLE 2 LEAVES	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
CODE	Ld (mm)	La (mm)	Lm (mm)	CODE	Ld (mm)	La (mm)	Lm (mm)
818SL-0010	2000	925	1015	818SL-0030	2000	940	2 x 520
818SL-0011	2200	1025	1115	818SL-0031	2200	1040	2 x 570
818SL-0012	2600	1225	1315	818SL-0032	2600	1240	2 x 670
818SL-0013	3000	1425	1515	818SL-0033	3000	1440	2 x 770
818SL-0014	3300	1575	1665	818SL-0034	3300	1590	2 x 845
818SL-0015	3600	1725	1815	818SL-0035	3600	1740	2 x 920
818SL-0016	4000	1925	2015	818SL-0036	4000	1940	2 x 1020
818SL-0017	4400	2125	2215	818SL-0037	4400	2140	2 x 1120
818SL-0018	5000	2425	2515	818SL-0038	5000	2440	2 x 1270
818SL-0019	6600	3225	3315	818SL-0039	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)





The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

NOTE:

In EMERGENCY automation applications always consider the appropriate choice of control and safety devices (SEE TECHNICAL MANUAL)



**Code**                      **Description**

Kit for assembling STANDARD • FLUO-SLS sliding doors	
<b>8K18SL-001</b>	FLUO-SLS complete automation kit for doors with one moving leaf.
 	
Kit for assembling STANDARD • FLUO-SLE sliding doors EMERGENCY version	
<b>8K18SL-002</b>	FLUO-SLE complete automation kit for doors with one moving leaf.
 	
Accessory for assembling STANDARD sliding doors	
<b>818XA-0024</b>	Second leaf automation kit for FLUO-SLS and FLUO-SLE doors.

NOTE:  
System completion accessories see page 48.



The European standard EN 16005, specifies the requirements for motor-powered pedestrian doors installed also in escape routes. The great advantage of FLUO EMERGENCY consists in being able to install, in emergency routes and exits, automations approved for this purpose, with standard sliding leaves, to replace the traditional automations with sliding push-to-open leaves, in the direction of emergency exit.

**OPERATING LIMITS AND TECHNICAL CHARACTERISTICS**

	STANDARD				EMERGENCY			
	FLUO-SLS		FLUO-SLS		FLUO-SLE		FLUO-SLE	
	1 LEAF	3315	2 LEAVES	1670	1 LEAF	3315	2 LEAVES	1670
<b>Min./max. length of leaf (mm)</b>	1015	3315	520	1670	1015	3315	520	1670
<b>Max leaf weight (kg)</b>	100		90 + 90		100		90 + 90	
Certification	TÜV Thüringen		TÜV Thüringen		TÜV Thüringen		TÜV Thüringen	
IP protection rating	20		20		20		20	
Power supply (V - 50/60 Hz)	100 - 240 AC		100 - 240 AC		100 - 240 AC		100 - 240 AC	
Nominal power (W)	70		70		70		70	
Stand by nominal power (W)	10		10		10		10	
Maximum operating speed (m/s)	<b>0.8</b>		<b>1.6</b>		<b>0.8</b>		<b>1.6</b>	
Intermittence/Duty-cycle (%)	CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION	
Nominal load (N)	150		150		150		150	
Operating temperature (°C)	-15 to +50		-15 to +50		-15 to +50		-15 to +50	

● 42 V DC

# FLUO-SL HEAVY

FLUO-SLH

1 LEAF UP TO  
180 KG

2 LEAVES UP TO  
150 KG EACH



## Code Description

### Complete automations with Brushless motor

**818SL-0090 / 99** Complete automation for door with one moving leaf.



**818SL-0100 / 109** Complete automation for door with two moving leaves.



NOTE:

System completion accessories see page 48.

42 V DC POWERED DEVICE AUTOMATION WITH ENCODER

## FLUO-SLH ASSEMBLED AUTOMATIONS

FLUO-SLH 1 LEAF				FLUO-SLH 2 LEAVES			
CODE	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	CODE	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
	Ld (mm)	La (mm)	Lm (mm)		Ld (mm)	La (mm)	Lm (mm)
818SL-0090	2000	925	1015	818SL-0100	2000	940	2 x 520
818SL-0091	2200	1025	1115	818SL-0101	2200	1040	2 x 570
818SL-0092	2600	1225	1315	818SL-0102	2600	1240	2 x 670
818SL-0093	3000	1425	1515	818SL-0103	3000	1440	2 x 770
818SL-0094	3300	1575	1665	818SL-0104	3300	1590	2 x 845
818SL-0095	3600	1725	1815	818SL-0105	3600	1740	2 x 920
818SL-0096	4000	1925	2015	818SL-0106	4000	1940	2 x 1020
818SL-0097	4400	2125	2215	818SL-0107	4400	2140	2 x 1120
818SL-0098	5000	2425	2515	818SL-0108	5000	2440	2 x 1270
818SL-0099	6600	3225	3315	818SL-0109	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

## Kit for assembling HEAVY • FLUO-SLH sliding doors

**8K18SL-006**

FLUO-SLH complete automation kit for doors with one moving leaf.



## Accessory for assembling MAGNUM • HEAVY sliding doors

**818XA-0060**

Second leaf automation kit for and FLUO-SLH doors.



FLUO-SL HEAVY automations are ideal for applications on medium and large doors/leaves, for intensive use such as in supermarkets, shopping malls, public offices.

## OPERATING LIMITS AND TECHNICAL CHARACTERISTICS

	HEAVY			
	FLUO-SLH 1 LEAF		FLUO-SLH 2 LEAVES	
Min./max. length of leaf (mm)	1015	3315	520	1670
Max leaf weight (kg)	180		150 + 150	
IP protection rating	20		20	
Power supply (V - 50/60 Hz)	100 - 240 AC		100 - 240 AC	
Nominal power (W)	70		70	
Stand by nominal power (W)	10		10	
Maximum operating speed (m/s)	0.6		1.2	
Intermittence/Duty-cycle (%)	CONTINUOUS OPERATION		CONTINUOUS OPERATION	
Nominal load (N)	150		150	
Operating temperature (°C)	-15 to +50		-15 to +50	

● 42 V DC

# FLUO-SLM MAGNUM

FLUO-SLM

1 LEAF UP TO 400  
KG

2 LEAVES UP TO  
250 KG EACH



## Code Description

### Complete automations with Brushless motor

**818SL-0130 / 139** Complete automation for door with one moving leaf.



**818SL-0140 / 147** Complete automation for door with two moving leaves.



NOTE:

System completion accessories see page 48.



42 V DC POWERED DEVICE AUTOMATION WITH ENCODER

## FLUO-SLM ASSEMBLED AUTOMATIONS

FLUO-SLM 1 LEAF				FLUO-SLM 2 LEAVES			
CODE	AUTOMATION LENGTH	PASSAGE WIDTH	LEAF WIDTH	CODE	AUTOMATION LENGTH	PASSAGE WIDTH	LEAVES WIDTH
	Ld (mm)	La (mm)	Lm (mm)		Ld (mm)	La (mm)	Lm (mm)
818SL-0130	2000	925	1015	-	-	-	-
818SL-0131	2200	1025	1115	-	-	-	-
818SL-0132	2600	1225	1315	818SL-0140	2600	1240	2 x 670
818SL-0133	3000	1425	1515	818SL-0141	3000	1440	2 x 770
818SL-0134	3300	1575	1665	818SL-0142	3300	1590	2 x 845
818SL-0135	3600	1725	1815	818SL-0143	3600	1740	2 x 920
818SL-0136	4000	1925	2015	818SL-0144	4000	1940	2 x 1020
818SL-0137	4400	2125	2215	818SL-0145	4400	2140	2 x 1120
818SL-0138	5000	2425	2515	818SL-0146	5000	2440	2 x 1270
818SL-0139	6600	3225	3315	818SL-0147	6600	3240	2 x 1670

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

Kit for assembling MAGNUM • FLUO-SLM sliding doors	
<b>8K18SL-007</b>	FLUO-SLM complete automation kit for doors with one moving leaf.
 	

Accessory for assembling MAGNUM • HEAVY sliding doors	
<b>818XA-0060</b>	Second leaf automation kit for and FLUO-SLH doors.



FLUO-SL MAGNUM automations are specifically designed for applications on heavy and large doors/leafs. It is typically used in combination with armoured doors, with shatter-proof glass as those in bank branches.

### OPERATING LIMITS AND TECHNICAL CHARACTERISTICS

	MAGNUM			
	FLUO-SLM		FLUO-SLM	
	1 LEAF		2 LEAVES	
<b>Min./max. length of leaf (mm)</b>	1015	3315	670	1670
<b>Max leaf weight (kg)</b>	400		250 + 250	
IP protection rating	20		20	
Power supply (V - 50/60 Hz)	100 - 240 AC		100 - 240 AC	
Nominal power (W)	70		70	
Stand by nominal power (W)	10		10	
Maximum operating speed (m/s)	<b>0.3</b>		<b>0.6</b>	
Intermittence/Duty-cycle (%)	CONTINUOUS OPERATION		CONTINUOUS OPERATION	
Nominal load (N)	150		150	
Operating temperature (°C)	-15 to +50		-15 to +50	

● 42 V DC



# FLUO-SLT TELESCOPIC

FLUO-SLT  
FLUO-SLTE

2 LEAVES UP TO  
100 KG EACH

4 LEAVES UP TO  
70 KG EACH



## Code Description

### Complete automations with Brushless motor

**818ST-0010 / 20** Complete automation for door with one moving leaf.



**818ST-0021 / 27** Complete automation for door with two moving leaves.



### Complete automations with Brushless motor and EMERGENCY function

**818ST-0030 / 40** Complete automation for door with one moving leaf, with EMERGENCY function.



**818ST-0041 / 47** Complete automation for door with two moving leaves, with EMERGENCY function.



NOTE:  
System completion accessories see page 48.

42 V DC POWERED DEVICE AUTOMATION WITH ENCODER

## FLUO-SLT ASSEMBLED AUTOMATIONS

FLUO-SLT 2 LEAVES				FLUO-SLT 4 LEAVES			
CODE	AUTOMATION LENGTH Ld (mm)	PASSAGE WIDTH La (mm)	LEAF WIDTH Lm (mm)	CODE	AUTOMATION LENGTH Ld (mm)	PASSAGE WIDTH La (mm)	LEAVES WIDTH Lm (mm)
818ST-0010	1800	1122	2 x 631	-	-	-	-
818ST-0011	2000	1256	2 x 698	-	-	-	-
818ST-0012	2200	1389	2 x 764	-	-	-	-
818ST-0013	2600	1656	2 x 898	-	-	-	-
818ST-0014	3000	1922	2 x 1031	818ST-0021	3000	1929	4 x 532
818ST-0015	3300	2122	2 x 1131	818ST-0022	3300	2129	4 x 582
818ST-0016	3600	2322	2 x 1231	818ST-0023	3600	2329	4 x 632
818ST-0017	4000	2589	2 x 1364	818ST-0024	4000	2596	4 x 699
818ST-0018	4400	2856	2 x 1498	818ST-0025	4400	2896	4 x 765
818ST-0019	5000	3256	2 x 1698	818ST-0026	5000	3262	4 x 865
818ST-0020	6600	4322	2 x 2231	818ST-0027	6600	4329	4 x 1132

The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)

## FLUO-SLTE ASSEMBLED AUTOMATIONS WITH EMERGENCY FUNCTION

FLUO-SLTE 2 LEAVES				FLUO-SLTE 4 LEAVES			
CODE	AUTOMATION LENGTH Ld (mm)	PASSAGE WIDTH La (mm)	LEAF WIDTH Lm (mm)	CODE	AUTOMATION LENGTH Ld (mm)	PASSAGE WIDTH La (mm)	LEAVES WIDTH Lm (mm)
818ST-0030	1800	1122	2 x 631	-	-	-	-
818ST-0031	2000	1256	2 x 698	-	-	-	-
818ST-0032	2200	1389	2 x 764	-	-	-	-
818ST-0033	2600	1656	2 x 898	-	-	-	-
818ST-0034	3000	1922	2 x 1031	818ST-0041	3000	1929	4 x 532
818ST-0035	3300	2122	2 x 1131	818ST-0042	3300	2129	4 x 582
818ST-0036	3600	2322	2 x 1231	818ST-0043	3600	2329	4 x 632
818ST-0037	4000	2589	2 x 1364	818ST-0044	4000	2596	4 x 699
818ST-0038	4400	2856	2 x 1498	818ST-0045	4400	2896	4 x 765
818ST-0039	5000	3256	2 x 1698	818ST-0046	5000	3262	4 x 865
818ST-0040	6600	4322	2 x 2231	818ST-0047	6600	4329	4 x 1132



The values shown are calculated considering Loo = 50 mm and Loc = 40 mm)

The values shown are calculated considering Loo = 50 mm and Loc = 0 mm)



NOTE:  
In EMERGENCY automation applications always consider the appropriate choice of control and safety devices (SEE TECHNICAL MANUAL)

**Code**                      **Description**

**Kit for assembling TELESCOPIC • FLUO-SLT sliding doors**

**8K18ST-001**                      FLUO-SLT complete automation kit for doors with 2 moving leaves.  
 

**Kit for assembling TELESCOPIC • FLUO- SLTE sliding doors EMERGENCY version**

**8K18ST-002**                      FLUO-SLTE complete automation kit for doors with 2 moving leaves.  
 

**Accessory for assembling TELESCOPIC sliding doors**

**818XA-0033**                      Second leaf automation kit for FLUO-SLT and FLUO-SLTE doors.



FLUO-SL TELESCOPIC automations solve the problem of limited space. In fact, with telescopic doors/windows it is possible to obtain the maximum passage width.

**OPERATING LIMITS AND TECHNICAL CHARACTERISTICS**

	TELESCOPIC				EMERGENCY			
	FLUO-SLT		FLUO-SLT		FLUO-SLTE		FLUO-SLTE	
	2 LEAVES		4 LEAVES		2 LEAVES		4 LEAVES	
<b>Min./max. length of leaf (mm)</b>	631	2231	532	1132	631	2231	520	1520
<b>Max leaf weight (kg)</b>	100 + 100		70 + 70 + 70 + 70		100 + 100		70 + 70 + 70 + 70	
Certification	TÜV Thüringen		TÜV Thüringen		TÜV Thüringen		TÜV Thüringen	
IP protection rating	20		20		20		20	
Power supply (V - 50/60 Hz)	100 - 240 AC		100 - 240 AC		100 - 240 AC		100 - 240 AC	
Nominal power (W)	70		70		70		70	
Stand by nominal power (W)	10		10		10		10	
Maximum operating speed (m/s)	<b>0.8</b>		<b>1.6</b>		<b>0.8</b>		<b>1.6</b>	
Intermittence/Duty-cycle (%)	CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION		CONTINUOUS OPERATION	
Nominal load (N)	150		150		150		150	
Operating temperature (°C)	-15 to +50		-15 to +50		-15 to +50		-15 to +50	

● 42 V DC

# ACCESSORIES FOR AUTOMATIC DOORS

**CAME** 

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



**Metro**  
**Subway**  
**Metro**



# ACCESSORIES

## SLIDING AUTOMATIONS COMPLETION

### Accessories for completing the sliding doors (ALL SERIES)

**818XC-0015**



Leaf position alert device

**818XC-0016**



Casing fastening device.

**818XC-0017**



Sensor fastening device.

**818XC-0014**



Built-in lever release kit.

**818XC-0037**



Support for SMALL opening and safety sensors.

### Accessories for completing the sliding doors (ALL SERIES)

**818XC-0012**



Bistable electric lock complete with cord and release lever.

**818XC-0029**



Lock device on the return

**818XC-0035**



Lock device on the winder (assembled).

### Accessories for: 818XC-0012

**818XC-0013**



Electric lock position alert kit

### Accessories for SLIDING AUTOMATIONS

**818XA-0051**



Board for auxiliary contact.

### Power outage emergency operation boards

**818XC-0010**



Board for operating during power outages and for recharging the batteries, complete with brace and No. 1 12 V - 2 Ah battery.

**818XC-0011**







Board for operating during power outages and for recharging the batteries, complete with brace and No. 1 12 V - 5.4 Ah battery.



# ACCESSORIES

## PROFILES FOR SLIDING AUTOMATIONS IN KIT






### Profiles and gaskets for completing the ALL SERIES sliding doors

<b>818XA-0018</b>	<b>818XA-0019</b>	<b>818XA-0053</b>	<b>* 818XA-0014</b>
			
Casing gasket, 40 m. reel.	Casing lower gasket, 40 m. reel.	Rough casing profile, length 6620 mm.	Anodized casing profile, length 6620 mm.

### Profiles for completing the BASIC sliding doors

<b>* 818XA-0032</b>	<b>* 818XA-0023</b>
	
Rough box profile, length 6620 mm.	Anodized rail-frame, length 6620 mm.

### Profiles for completing the STANDARD- HEAVY sliding doors

<b>* 818XA-0012</b>	<b>818XA-0017</b>	<b>* 818XA-0021</b>	<b>818XA-0016</b>	<b>818XA-0015</b>
				
Anodized front profile, length 6620 mm.	Gasket for front profile, 40 m. reel	Anodized rear profile, length 6620 mm.	Gasket for rear profile, 40 m. reel	Gasket for guide, 40 m. reel.

### \* 818XA-0023


Anodized rail-frame, length 6620 mm.




\* NOTES:  
 For items:  
 18XA-0014 - 818XA-0032 - 818XA-0023 - 818XA-0021 -  
 818XA-0012 - 818XA-0032  
 packages containing 2 pieces






# ACCESSORIES

## PROFILES FOR SLIDING AUTOMATIONS IN KIT

**Profiles for completing the MAGNUM sliding doors**

<b>* 818XA-0061</b>	<b>818XA-0015</b>	<b>* 818XA-0023</b>
		
Anodized front profile, length 6620 mm.	Gasket for guide, 40 m. reel.	Anodized rail-frame, length 6620 mm.

**Profiles for completing the TELESCOPIC sliding doors**

<b>* 818XA-0034</b>	<b>* 818XA-0023</b>	<b>818XA-0035</b>
		
Rough box profile, length 6620 mm.	Anodized rail-frame, length 6620 mm.	Anodized rail-frame, length 6620 mm.

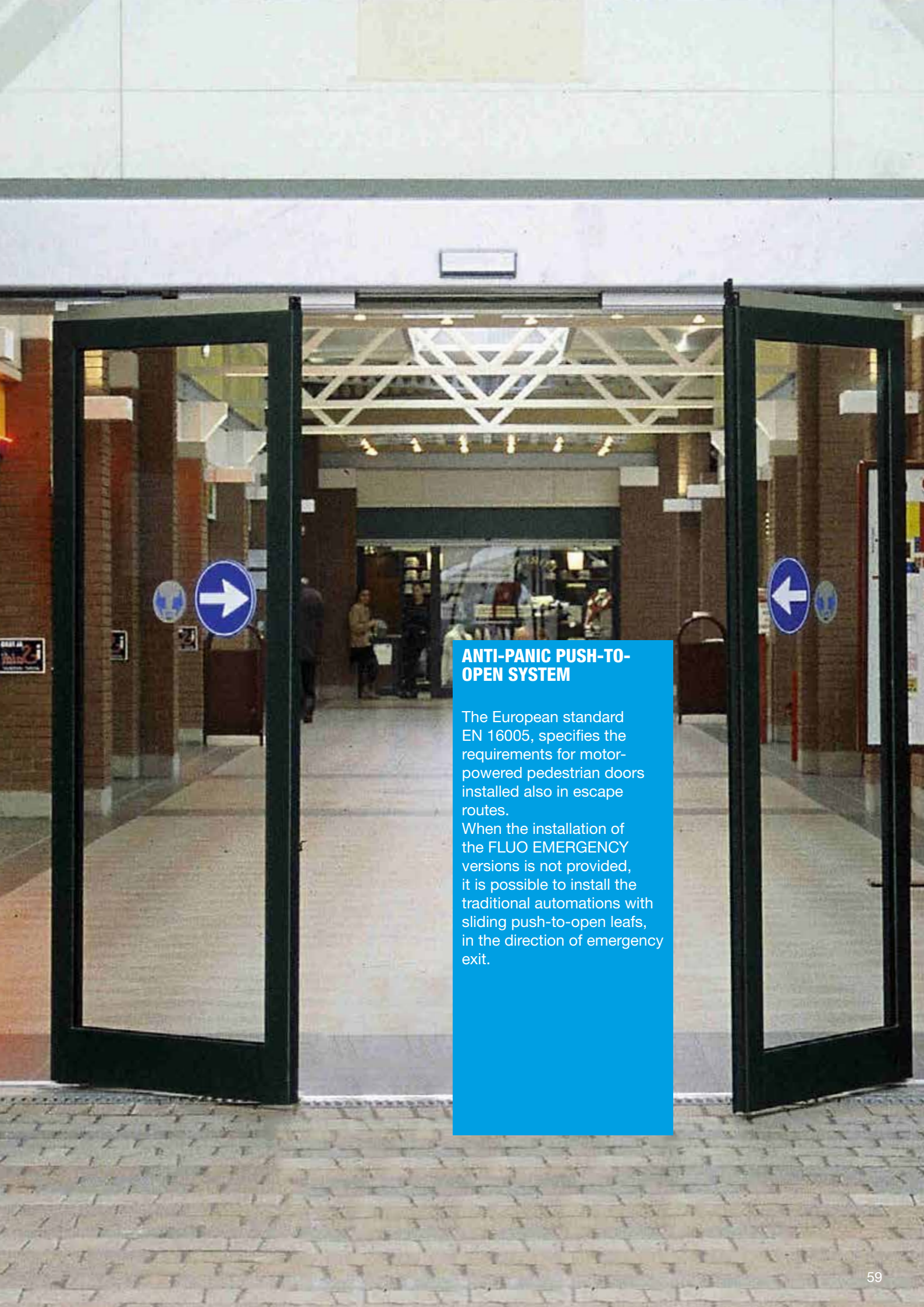
**Transmission belt**

**818XA-0010**



Transmission belt, 50 m reel

\* NOTES:  
 For items:  
 818XA-0034 - 818XA-0023 - 818XA-0061 - 818XA-0034  
 packages containing 2 pieces



### **ANTI-PANIC PUSH-TO-OPEN SYSTEM**



The European standard EN 16005, specifies the requirements for motor-powered pedestrian doors installed also in escape routes.

When the installation of the FLUO EMERGENCY versions is not provided, it is possible to install the traditional automations with sliding push-to-open leaves, in the direction of emergency exit.

# ACCESSORIES

## CONTROL AND SAFETY


Recess-mounted micro-photocells	Selectors and accessories		
<b>818XC-0026</b>	<b>818XA-0074</b>	<b>818XA-0075</b>	<b>* 001TSTM1</b>
			
Pair of recess-mounted 24 V AC- DC infrared photocells, complete with shielded 5 m cable, Range15 m.	Selector with capacitive touch screen and integrated MIFare transponder module.	Basic model selector with numeric keypad.	ISO MIFARE Classic 1 K board - 13.56 MHz for 818XA-0043

Microwave OPENING radar	
<b>818XG-0017</b>	<b>818XG-0018</b>
	
<b>MR8106</b> Volumetric unidirectional - bidirectional microwave radar 12 - 24 V AC - DC. - Maximum application height 4 m - Detection area: LARGE ANTENNA field depth = 2 m and field width 4 m STRAIGHT ANTENNA field depth = 2.5 m and field width 2 m (In unidirectional mode, it is activated with approaching movement). - Adjustment with 001MRT001 remote control.	<b>MR8107</b> Volumetric bidirectional microwave radar 12 - 24 V AC - DC. - Maximum application height 3 m - Detection area: field depth = 2 m and field width 4 m field depth = 2.5 m and field width 2 m. - Manual adjustment.

Microwave OPENING radar accessories	
<b>818XG-0020</b>	<b>818XG-0019</b>
	
<b>001MRWPC</b> Rain cap for microwave volumetric radars.	<b>MRT001</b> Remote control for microwave volumetric radar.

Touch-sensitive sensors	Accessories for touch-sensitive sensors
<b>* 806SL-0260</b>	<b>* 806SL-0270</b>
	
<b>SELS2SDG</b> Recess-mounted 12 - 24 V AC - DC touch sensor, with adjustable backlight.	Surface-mounted casing.

\* Items on the ACCESSORIES price list

 DEVICE POWERED WITH VERY LOW VOLTAGE

Active infrared OPENING and SECURITY radar

**818XG-0014**



**001MR8003**  
 12 - 24 V AC- DC adjustable-field radar.  
 - Maximum application height 3 m  
 - Detection area: field depth = 0.41 - 1.77 m, field width 3.1 m.

Dual technology OPENING and SAFETY radar

OPENING and SAFETY radar for EMERGENCY automations

**818XG-0015**



**001MR8204**  
 Opening and safety radar 12 - 30 V DC - 5% + 10%.  
 - Application height: 1,8 ÷ 3 m.  
 - Adjustable detection area.

**818XG-0016**



**001MR8700**  
 Control and safety radar 12 - 24 V AC - DC.  
 (To be installed exclusively in the exit direction).  
 - Application height: 2 ÷ 3.5 m  
 - Adjustable detection area

Active infrared OPENING and SAFETY radar

**818XG-0011**



**0011MR8534**  
 Safety radar for automatic swing doors \*L = 340 mm with backdrop suppression 12 - 24 V AC ± 10% / 12 - 30 V DC - 5% + 10%.  
 - Application height: 1,3 ÷ 3.5 m.  
 - Adjustable detection area.

**818XG-0012**



**0011MR8570**  
 Safety radar for automatic swing doors \*L = 700 mm with backdrop suppression 12 - 24 V AC ± 10% / 12 - 30 V DC - 5% + 10%.  
 - Application height: 1,3 ÷ 3.5 m.  
 - Adjustable detection area.

**818XG-0013**



**0011MR8590**  
 Safety radar for automatic swing doors \*L = 900 mm with backdrop suppression 12 - 24 V AC ± 10% / 12 - 30 V DC - 5% + 10%.  
 - Application height: 1,3 ÷ 3.5 m.  
 - Adjustable detection area.

Active infrared SECURITY radar

Pair of SAFETY Radars

**818XG-0010**



**001MR8701**  
 Safety radar for automatic sliding doors 12 - 24 V AC - DC.  
 - Application height: 2 ÷ 3.5 m.  
 - Adjustable detection area.

**818XG-0046**



Pair of safety sensors with Laser technology.  
 - Detection zone: diagonal max 4 m.



Sensitive platforms

**818XG-0022**



**001MP8030**  
 Sensitive floor-plate 800 x 300 mm.

**818XG-0023**



**001MP8060**  
 Sensitive floor-plate 800 x 600 mm.

# ACCESSORIES

## TEMPERED GLASS LEAVES THICKNESS 10 MM

### Accessories for tempered glass leaves thickness 10 mm

**818XG-0031**



**001MA7370**

Upper connection for tempered glass leaf thickness 10 mm.  
L = 1000 mm.

**818XG-0032**



**001MA7470**

Upper connection for tempered glass leaf thickness 10 mm.  
L = 1500 mm.

**818XG-0033**



**001MA7570**

Upper connection for tempered glass leaf thickness 10 mm.  
L = 2000 mm.

NOTE:

If TELESCOPIC series doors are used, the devices: 818XG-0031 - 818XG-0032 - 818XG-0033 are intended for the construction of SLOW leaves.

### Accessories for tempered glass leaves thickness 10 mm for TELESCOPIC series

**818XG-0034**



**001MA7380**

TELESCOPIC series upper connection for tempered glass leaf thickness 10 mm.  
L = 1000 mm.

**818XG-0035**



**001MA7480**

TELESCOPIC series upper connection for tempered glass leaf thickness 10 mm.  
L = 1500 mm.

**818XG-0036**



**001MA7580**

TELESCOPIC series upper connection for tempered glass leaf thickness 10 mm.  
L = 2000 mm.

NOTE:

The devices: 818XG-0034 - 818XG-0035 - 818XG-0036 are intended for the construction of FAST leaves.

### Accessories for tempered glass leaves thickness 10 mm for all sliding series

**818XG-0037**



**001MA7353**

Ground guide for tempered glass leaf thickness 10 mm.  
L = 1000 mm.

**818XG-0038**



**001MA7453**

Ground guide for tempered glass leaf thickness 10 mm.  
L = 1500 mm.

**818XG-0039**



**001MA7553**

Ground guide for tempered glass leaf thickness 10 mm.  
L = 2000 mm.

**818XG-0030**



**001MAM004**

Slide guides for doors series TELESCOPIC.

\* **818XG-0040**



**001MAM601**

Black side gasket for tempered glass leaves thickness 10 mm.  
L = 3000 mm.

\* **818XG-0041**



**001MAM601T**

Transparent side gasket for tempered glass leaves thickness 10 mm.  
L = 3000 mm.

\* **818XG-0042**



**001MAM600**

Black central gasket for tempered glass leaves thickness 10 mm.  
L = 3000 mm.

\* **818XG-0043**



**001MAM600T**

Transparent central gasket for tempered glass leaves thickness 10 mm.  
L = 3000 mm.

\* NOTES:

For items:

818XG-0040 - 818XG-0041 - 818XG-0042 - 818XG-0043 packages containing 10 pieces



## FRAMED LEAVES

### Accessories for framed leaves

**818XG-0024**



**001MA7371**  
Universal upper connection for framed door.  
L = 1000 mm.

**818XG-0025**



**001MA7471**  
Universal upper connection for framed door.  
L = 1500 mm.

**818XG-0026**



**001MA7571**  
Universal upper connection for framed door.  
L = 2000 mm.

**818XG-0027**



**001MA7351**  
Universal ground guide for framed leaves.  
L = 1000 mm.

**818XG-0028**



**001MA7451**  
Universal ground guide for framed leaves.  
L = 1500 mm.

**818XG-0029**



**001MA7551**  
Universal ground guide for framed leaves.  
L = 2000 mm.

**818XG-0030**



**001MAM004**  
Slide guides for doors series TELESCOPIC.



# ACCESSORIES

## ANTI-PANIC PUSH-TO-OPEN SYSTEM FOR FRAMED DOOR-LEAVES

Push-to-open anti-panic systems for FLUO-SL STANDARD and FLUO-SL BASIC

**818XC-0018**



Antipanic push-to-open kit for one moving leaf up to 1100 mm.

**818XC-0019**



Antipanic push-to-open kit for one moving leaf up to 1,500 mm.

**818XC-0020**



Antipanic push-to-open kit for 2 moving leaves up to 1100 mm.

**818XC-0021**



Antipanic push-to-open kit for 2 moving leaves up to 1500 mm.

**818XC-0022**



Antipanic push-to-open kit for one moving leaf and one fixed leaf, up to 1100 mm.

**818XC-0023**



Antipanic push-to-open kit for one moving leaf and one fixed leaf, up to 1500 mm.

**818XC-0024**



Antipanic push-to-open kit for two moving leaves and two fixed leaves, up to 1100 mm.

**818XC-0025**



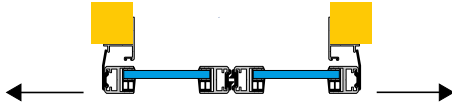
Antipanic push-to-open kit for two moving leaves and two fixed leaves, up to 1,500 mm.

# ACCESSORIES

## SET OF COMPONENTS FOR S30 DOOR FRAMES

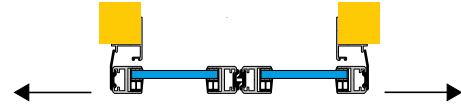
### Complete sets

#### 818XA-0062



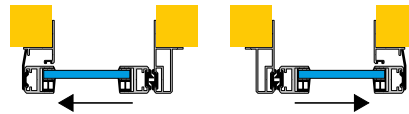
Components SET for 2 sliding leaves.  
Maximum wall space dimensions:  
L = 1560 mm, H = 2490 mm.

#### 818XA-0063



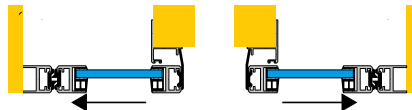
Components SET for 2 sliding leaves.  
Maximum wall space dimensions:  
L = 2060 mm, H = 2490 mm.

#### 818XA-0064



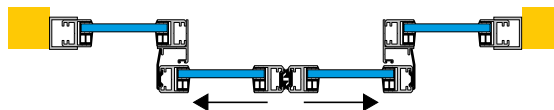
Components SET for 1 sliding leaf, right-side or left-side opening.  
Maximum wall space dimensions:  
L = 1530 mm, H = 2490 mm.

#### 818XA-0065



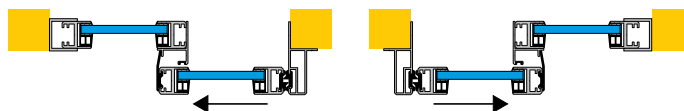
Components SET for 1 sliding leaf in the hallway, right-side or left-side opening.  
Maximum wall space dimensions:  
L = 1560 mm, H = 2490 mm.

#### 818XA-0066



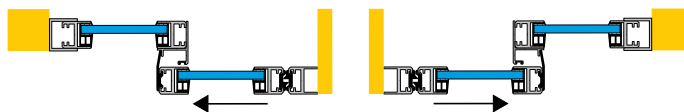
Components SET for 1 sliding leaf + 1 side wall, right-side or left-side opening.  
Maximum wall space dimensions:  
L = 3000 mm, H = 2520 mm.

#### 818XA-0067



Antipanic push-to-open kit for 2 moving leaves up to 1500 mm.

#### 818XA-0068



Components SET for 1 sliding leaf, + 1 side wall in the hallway, right-side or left-side opening.  
Maximum wall space dimensions:  
L = 3000 mm, H = 2520 mm.

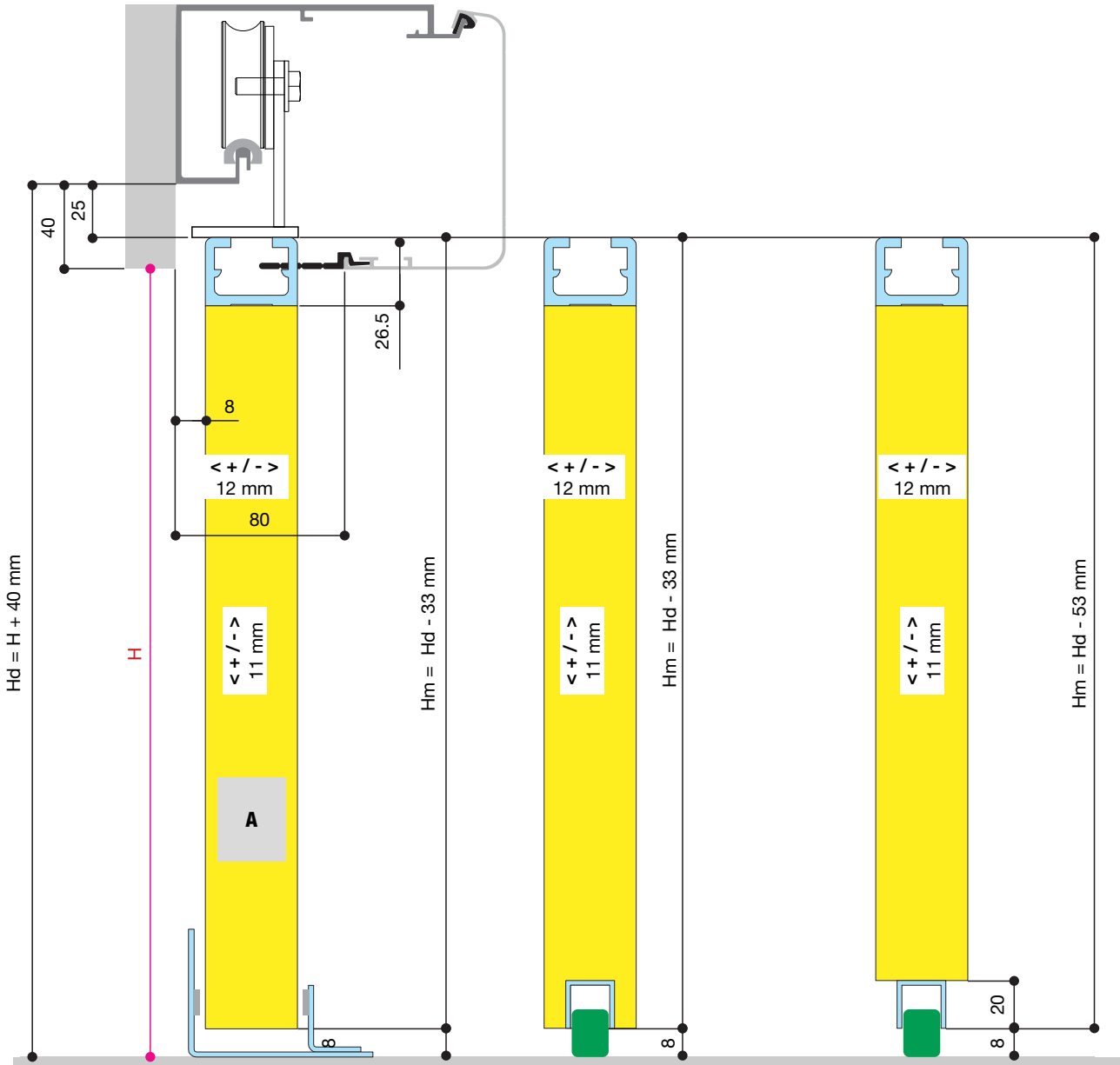
#### NOTE:

The sets are complete with aluminum profiles, gaskets and components required to make up the frame.  
The sets of components for frames are not compatible with other profiles and antipanic push-to-open systems.

# FLUO-SL BASIC

## FRAMED SLIDING LEAF HEIGHT CALCULATION

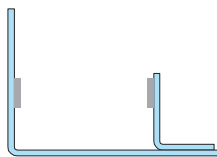
Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.



818XG-0024  
 818XG-0025  
 818XG-0026



818XG-0027  
 818XG-0028  
 818XG-0029



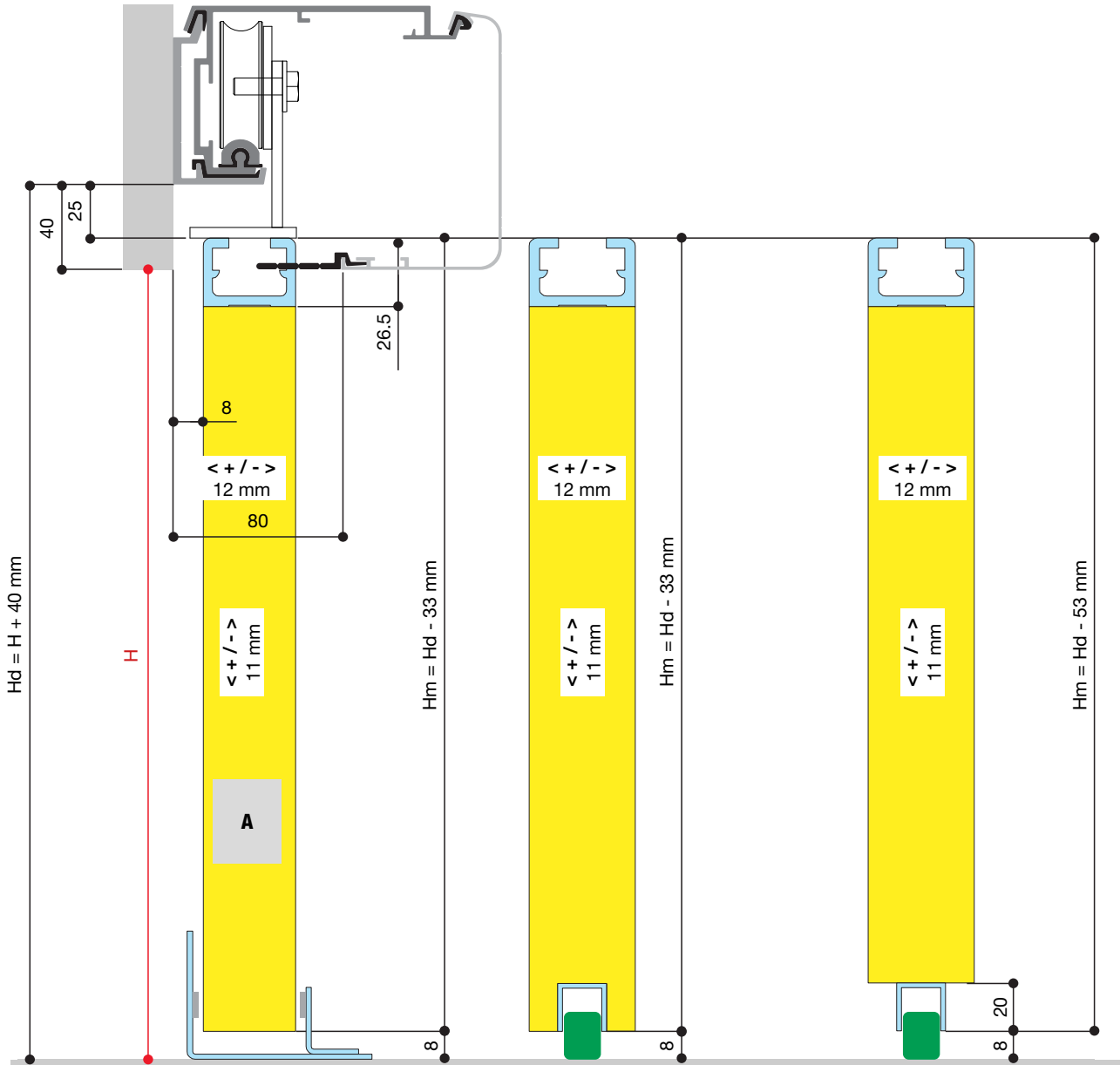
GUIDA  
 ESTERNA

In configuration A the OUTER GUIDE  
 is included in articles:  
 818XG-0024 - 818XG-0025 - 818XG-0026

# FLUO-SL STANDARD - HEAVY

## FRAMED SLIDING LEAF HEIGHT CALCULATION

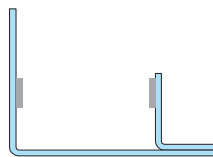
Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.



**818XG-0024**  
**818XG-0025**  
**818XG-0026**



**818XG-0027**  
**818XG-0028**  
**818XG-0029**



**GUIDA  
 ESTERNA**

In configuration A the OUTER GUIDE  
 is included in articles:  
 818XG-0024 - 818XG-0025 - 818XG-0026

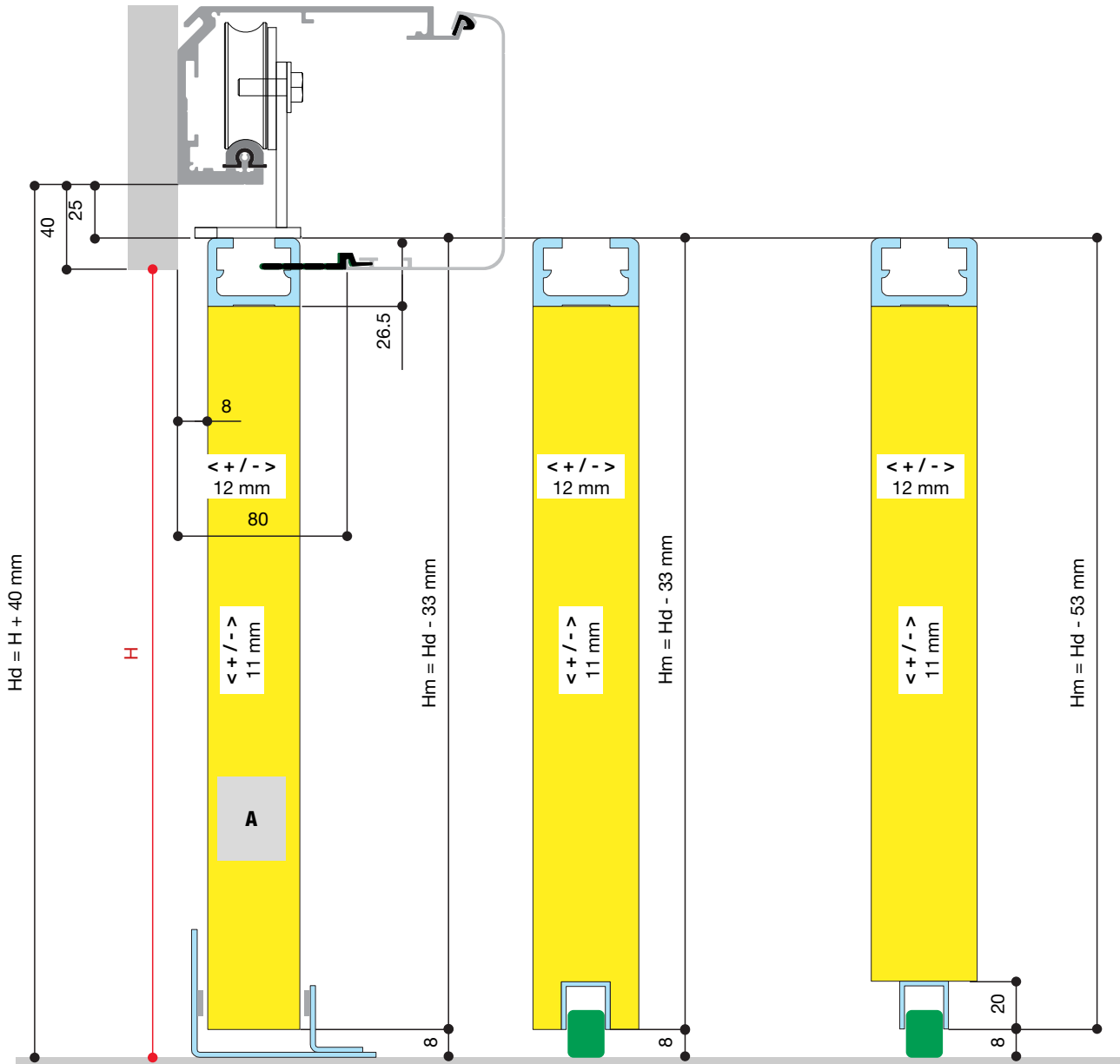
# FLUO-SL MAGNUM

## FRAMED SLIDING LEAF HEIGHT CALCULATION

Hd = Height from the ground for fastening the beam.

H = Height of the clearance.

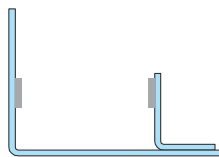
Hm = Total height of the moving leaf.



**818XG-0024**  
**818XG-0025**  
**818XG-0026**



**818XG-0027**  
**818XG-0028**  
**818XG-0029**



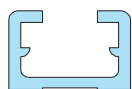
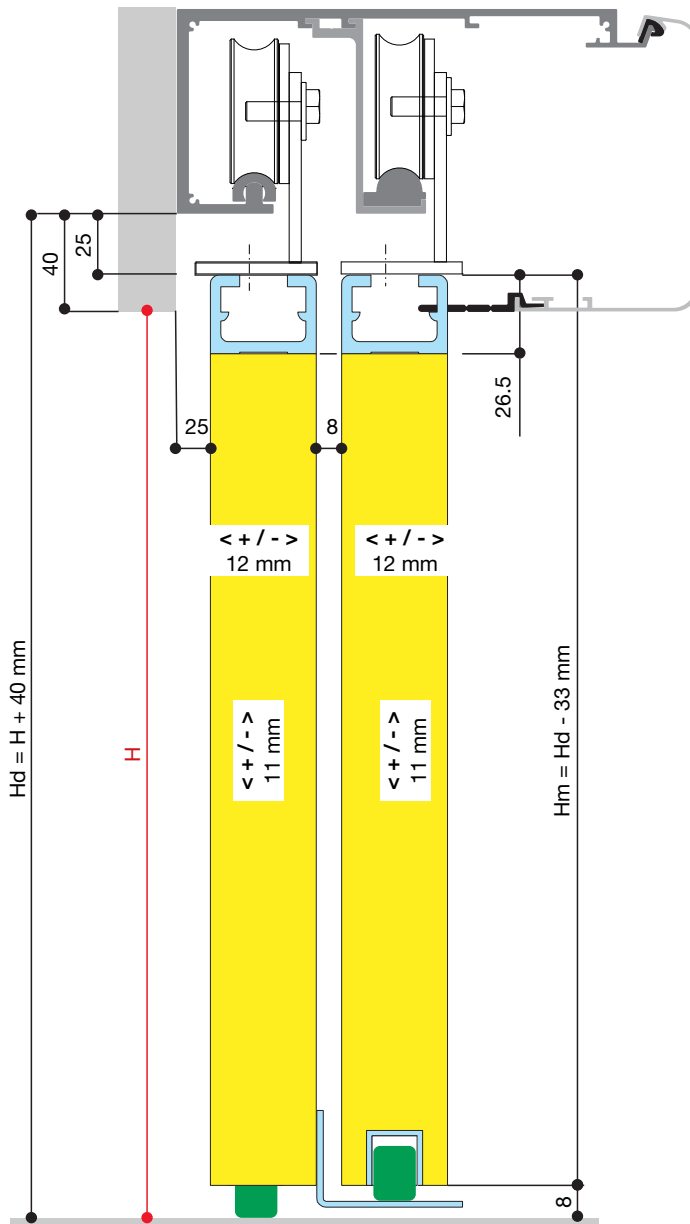
**GUIDA**  
**ESTERNA**

In configuration A the OUTER GUIDE is included in articles: 818XG-0024 - 818XG-0025 - 818XG-0026

# FLUO-SL TELESCOPIC

## FRAMED SLIDING LEAF HEIGHT CALCULATION

Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.



818XG-0024  
 818XG-0025  
 818XG-0026



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 818XG-0028  
 818XG-0029



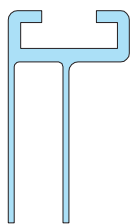
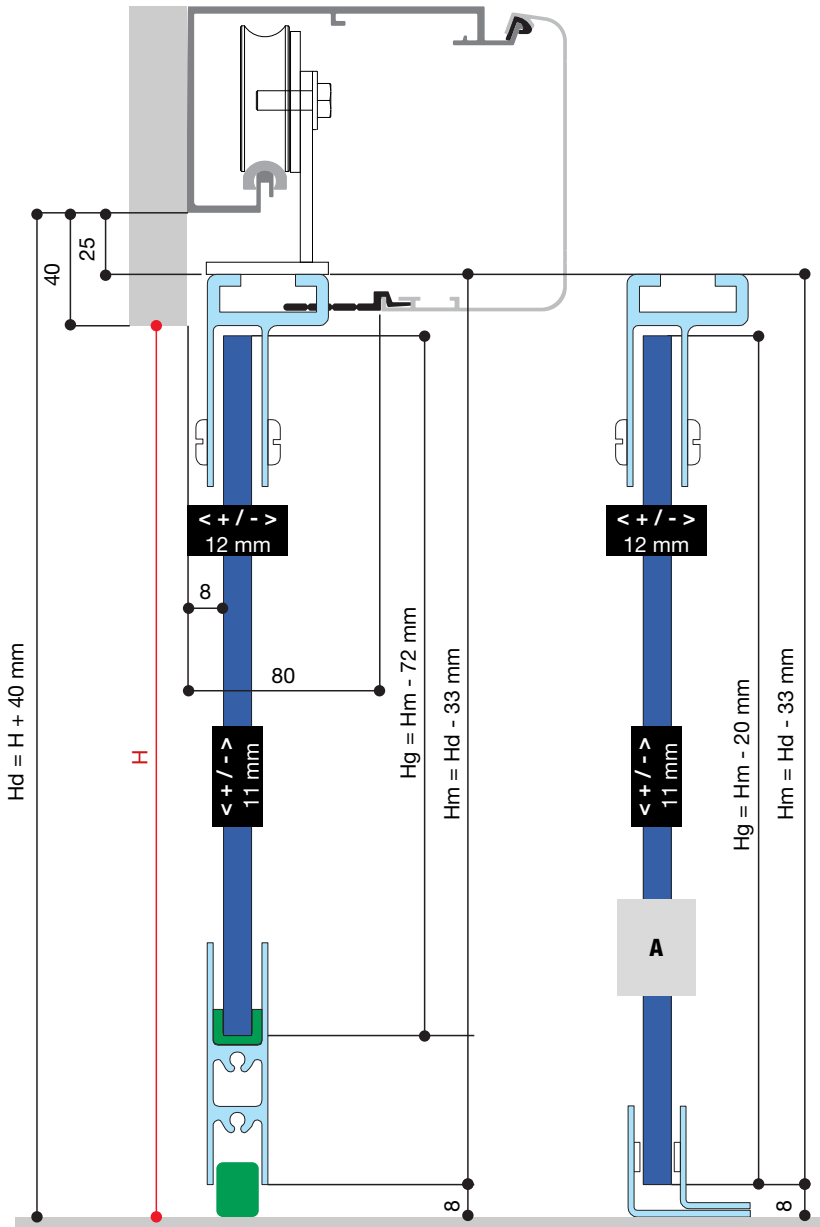
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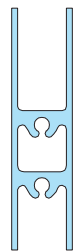
# FLUO-SL BASIC

## GLASS SLIDING LEAF TH. 10 MM HEIGHT CALCULATION

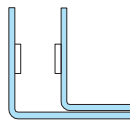
Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.  
 Hg = Glass height with CAME accessories



818XG-0031  
818XG-0032  
818XG-0033



818XG-0037  
818XG-0038  
818XG-0039



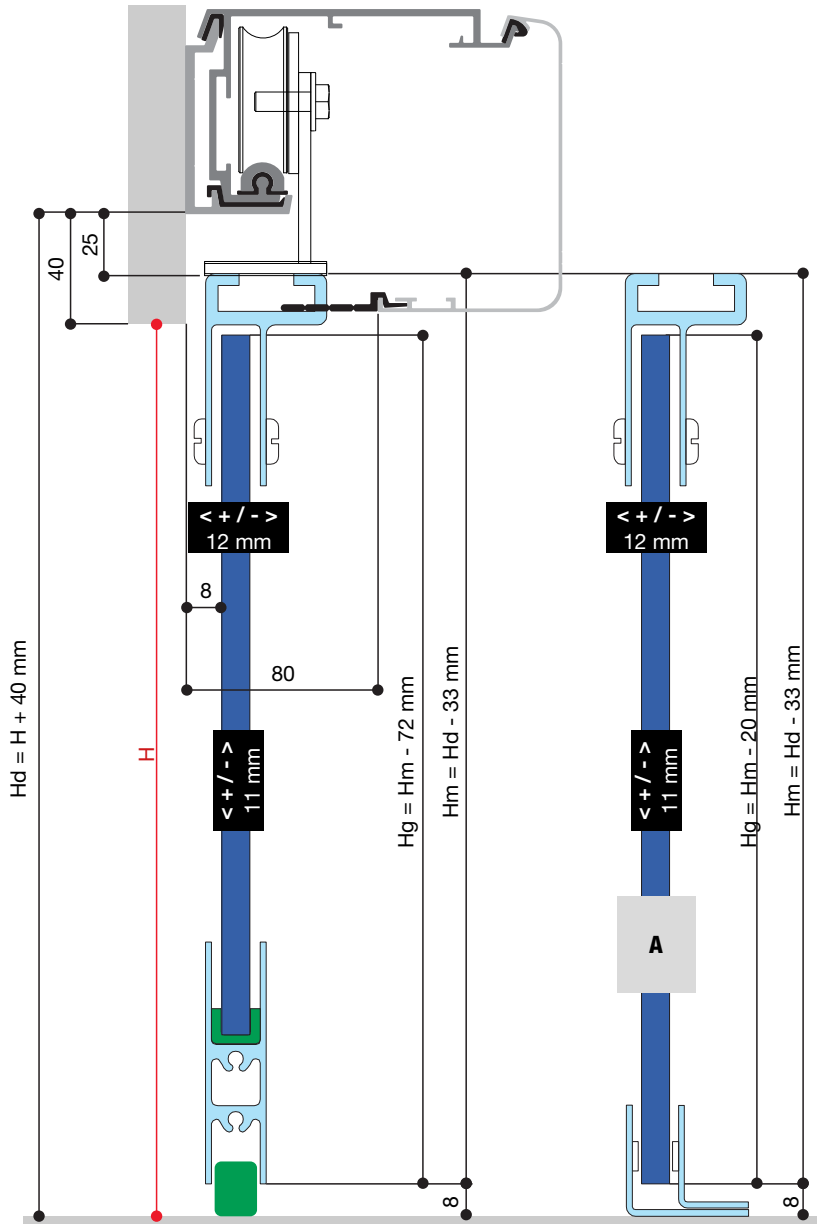
GUIDA  
ESTERNA

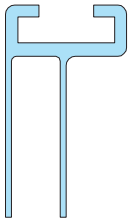
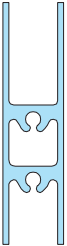
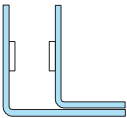
In configuration A the ground guide is included in articles:  
818XG-0031 - 818XG-0032 - 818XG-0033

# FLUO-SL STANDARD - HEAVY

## GLASS SLIDING LEAF TH. 10 MM HEIGHT CALCULATION

Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.  
 Hg = Glass height with CAME accessories



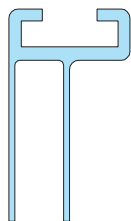
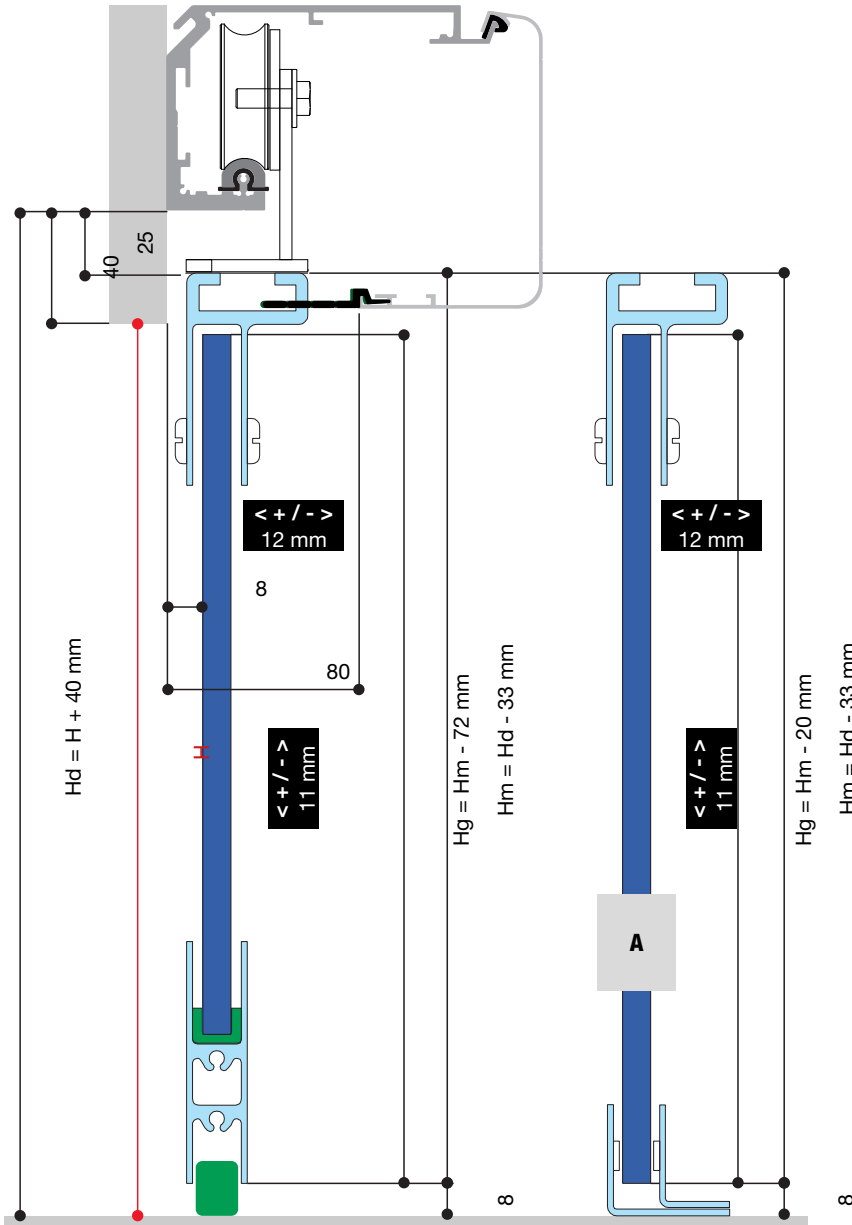
- |  |  |   |
|--|--|---|
| <br><b>818XG-0031</b><br><b>818XG-0032</b><br><b>818XG-0033</b> | <br><b>818XG-0037</b><br><b>818XG-0038</b><br><b>818XG-0039</b> | <br><b>GUIDA</b><br><b>ESTERNA</b> |
|--|--|---|

In configuration A the ground guide is included in articles:  
 818XG-0031 - 818XG-0032 - 818XG-0033

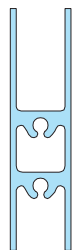
# FLUO-SL MAGNUM

## GLASS SLIDING LEAF TH. 10 MM HEIGHT CALCULATION

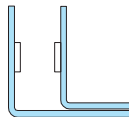
Hd = Height from the ground for fastening the beam.  
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818XG-0031  
 818XG-0032  
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 818XG-0038  
 818XG-0039



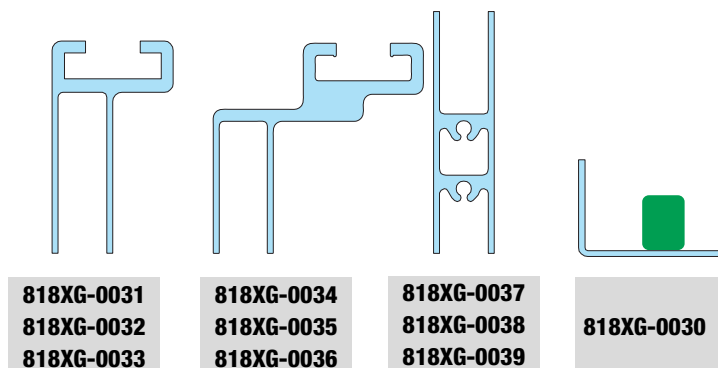
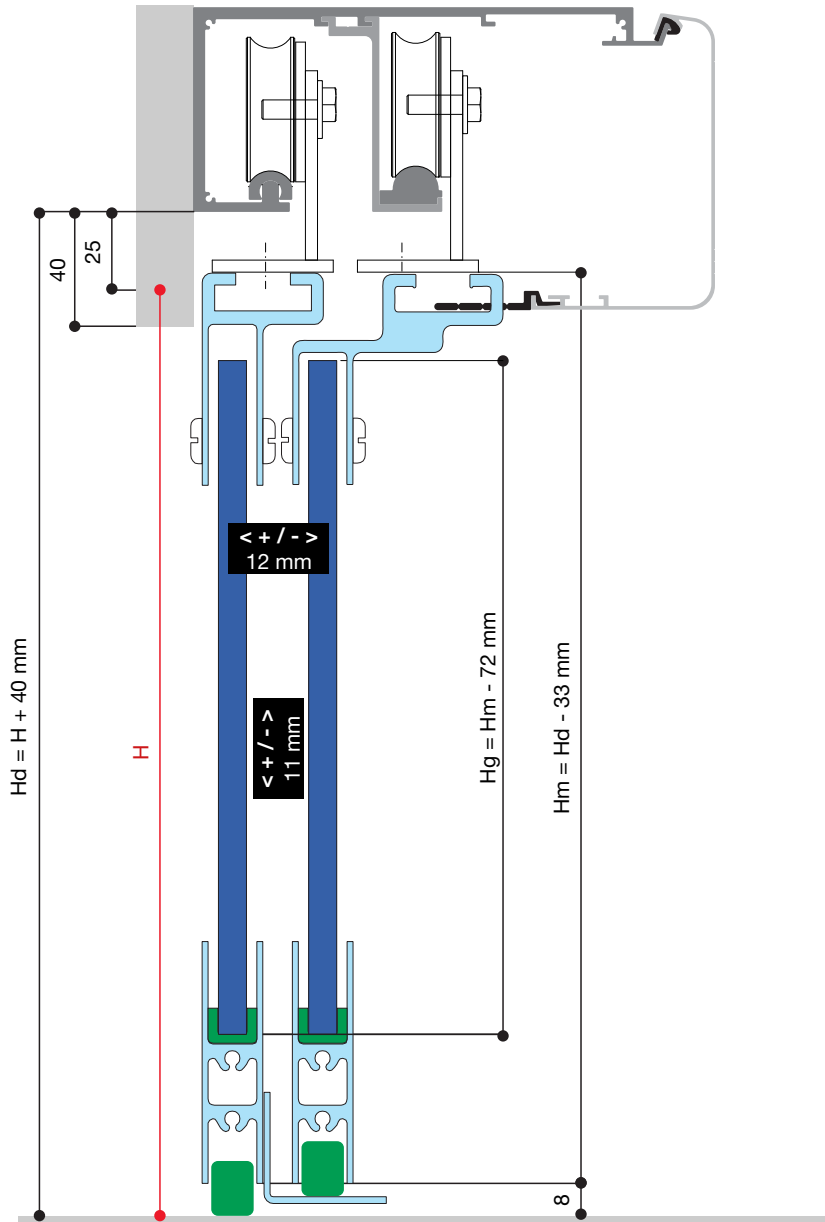
GUIDA  
 ESTERNA

In configuration A the ground guide is included in articles:  
 818XG-0031 - 818XG-0032 - 818XG-0033

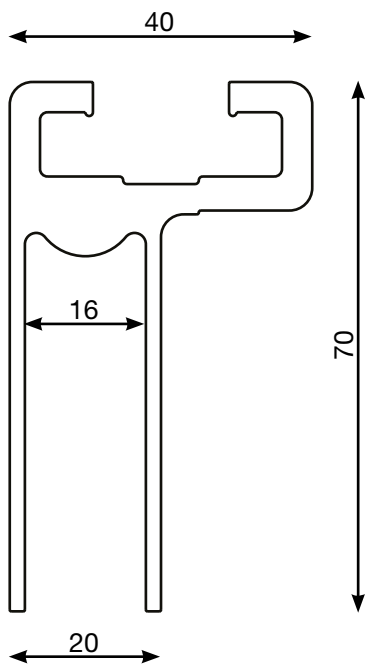
# FLUO-SL TELESCOPIC

## GLASS SLIDING LEAF TH. 10 MM HEIGHT CALCULATION

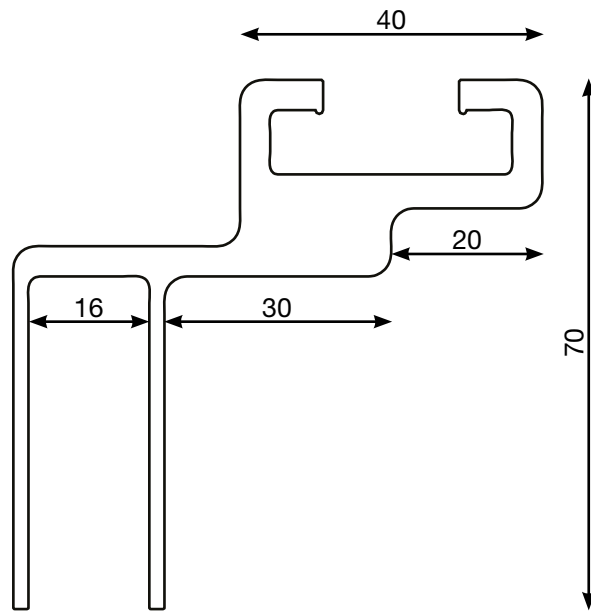
Hd = Height from the ground for fastening the beam.  
 H = Height of the clearance.  
 Hm = Total height of the moving leaf.  
 Hg = Glass height with CAME accessories



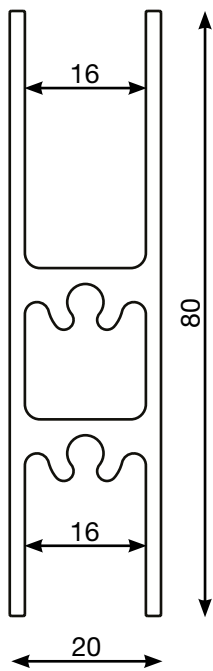
# PROFILES FOR LEAVES: SECTIONS AND DIMENSIONS SCALE 1: 1



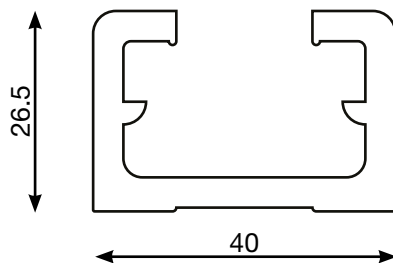
818XG-0031  
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818XG-0033



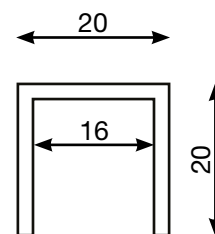
818XG-0031  
818XG-0032  
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The photos contained in this catalog are merely indicative of the product and are not legally binding.







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