



FACE Swing Doors



with Brushless motors and power supply in extended range 100-240V
(50/60 Hz) Switch Mode Tecnology - Opening and closing by motor

**The first real energy saving automation that guarantees a real
reduction in the consumption of electricity**

“nothing like before”

Parameters comparison which determine the electricity consumption

COMPETITORS



Macro technical data

Motor gearbox with CC Motor with switching brushes

Power supply 230 V / 50-60 Hz

Rated Power = over 150 W

Stand-by = not declared

Parameters comparison which determine the electricity consumption

FACE



Macro technical data

Motor gearbox with Brushless Motor

**Extended range power Supply 100-240 V / 50-60 Hz
Switch Mode Technology**

Rated Power SW2 = 40 W

Stand-by SW2 = 8 W

Rated Power SW5 = 70 W

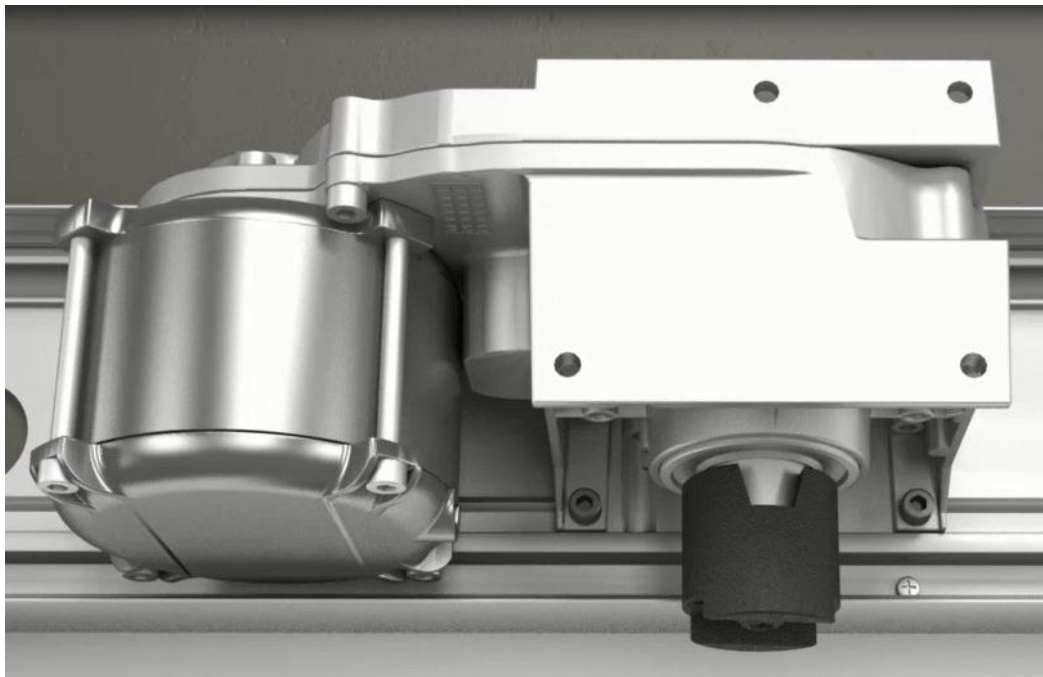
Stand-by SW5 = 8 W

INNOVATIVE TECHNOLOGICAL CONTENTS

The **Gear motor** has the following main features:

- Use of Brushless motor of its own design , in replacement of traditional DC motor with switching brushes , to increase the efficiency, + 30%, and reduce the electricity consumption.
- The main element of usury in a DC motor are brushes, being by definition the Brushless motor without brushes, and also turning low speed, 260 rpm, it's operational life is longer about ten times reducing drastically the frequency of the maintenance.
- The absence of brushes makes these motors exceptionally quiet.
- The exclusive positioning of the hall sensor inside the engine, making it very compact in size and functionality, protected from accidental breakage caused by inadvertent clumsy external actions.
- The reduction gear unit is housed in a double shell of aluminum on which is fixed the brushless motor, and from which comes out the coupling pin to the arms of door movement. The gear unit system of the gearbox has been designed for obtain the maximum efficiency and the absolute reversibility.

Gear motor with Brushless Motor



The **advanced electronic** control of its own design , has the following main features:

- The power supply is an extended range 100-240 Vac (50/60 Hz), made with Switch Mode technology, which guarantees highest efficiency and reduces energy consumption of the entire automation.
- The power supply connection is a standard cable, doesn't required installation by specilized personnel.
- Adjustment by an alphanumeric display, easily readable even at distance, and can provide diagnostic and detailed information.
- The electronic control is already preset in standard mode, you don't need to make any adjustment, your door is already working. However, all parameters are editable, we want to meet your specific needs.
- Dedicated terminal are present to each accessory, allowing an easy and simple connection of the control devices and door security.
- All the information collected during the operation of the door, and above all control settings, are saved on a micro SD memory easily available, so that you can replicate to similar applications, and reuse when replacing, reducing intervention time. The micro SD memory can also be used to upgrade the system, so you always benefit the latest innovations functionality of the door.
- The electronic control is provided with standard micro USB for connection to the personal computer, in order to perform more sophisticated diagnostics, update and control.

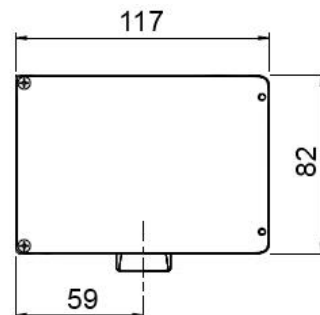
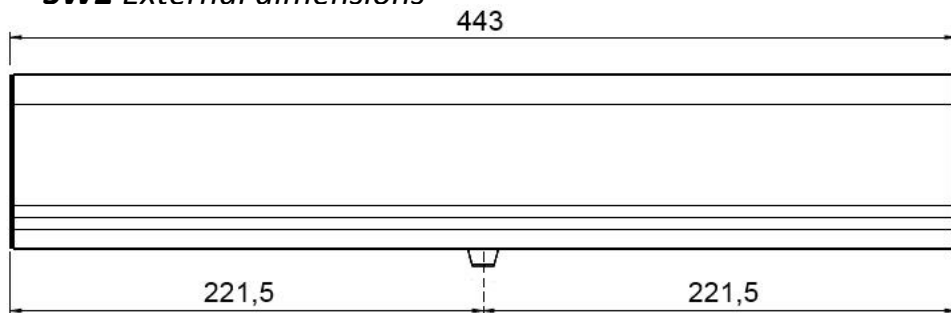
Electronic Control



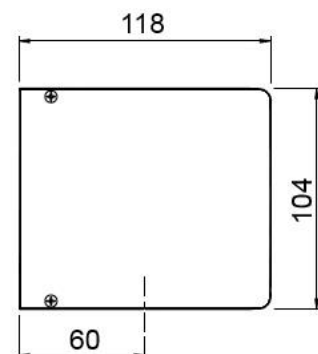
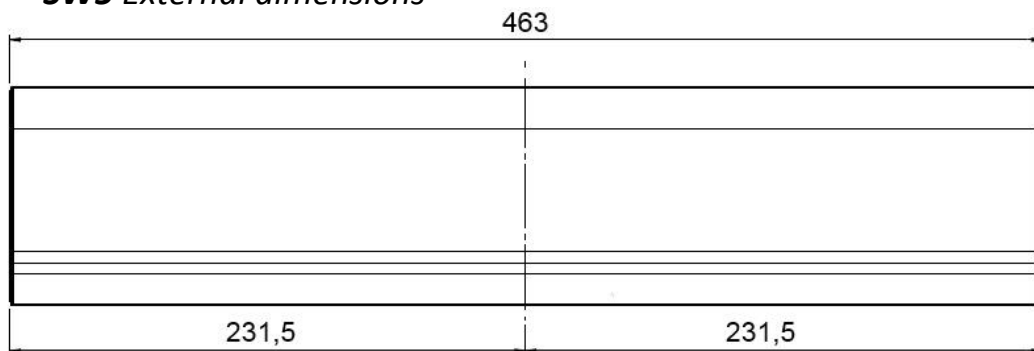
TECHNICAL SPECIFICATIONS

Serie	SW5	SW2																																						
Automation type	HEAVY	LIGHT																																						
Use	Automatic swing doors	Automatic swing doors																																						
Certification EN 16500	Prima Ricerca & Sviluppo	Prima Ricerca & Sviluppo																																						
Product dimensions mm	104 x 118 x 463	82 x 117 x 443																																						
Maximum load:	300 kg x 0,8 m	200 kg x 0,8 m																																						
	<table border="1"> <caption>SW5 Maximum Load Capacity</caption> <thead> <tr> <th>Distance (m)</th> <th>Load (kg)</th> </tr> </thead> <tbody> <tr><td>0,6</td><td>300</td></tr> <tr><td>0,7</td><td>300</td></tr> <tr><td>0,8</td><td>300</td></tr> <tr><td>0,9</td><td>250</td></tr> <tr><td>1,0</td><td>200</td></tr> <tr><td>1,1</td><td>180</td></tr> <tr><td>1,2</td><td>150</td></tr> <tr><td>1,3</td><td>130</td></tr> <tr><td>1,4</td><td>110</td></tr> <tr><td>1,5</td><td>100</td></tr> </tbody> </table>	Distance (m)	Load (kg)	0,6	300	0,7	300	0,8	300	0,9	250	1,0	200	1,1	180	1,2	150	1,3	130	1,4	110	1,5	100	<table border="1"> <caption>SW2 Maximum Load Capacity</caption> <thead> <tr> <th>Distance (m)</th> <th>Load (kg)</th> </tr> </thead> <tbody> <tr><td>0,6</td><td>200</td></tr> <tr><td>0,7</td><td>200</td></tr> <tr><td>0,8</td><td>200</td></tr> <tr><td>0,9</td><td>180</td></tr> <tr><td>1,0</td><td>150</td></tr> <tr><td>1,1</td><td>130</td></tr> <tr><td>1,2</td><td>100</td></tr> </tbody> </table>	Distance (m)	Load (kg)	0,6	200	0,7	200	0,8	200	0,9	180	1,0	150	1,1	130	1,2	100
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Opening and closing time:	2 – 6 s	2 – 6 s																																						
Duty class	Continuous operation	Continuous operation																																						
Intermittent operation	S3 = 100%	S3 = 100%																																						
Operation	Motorized opening and closing	Motorized opening and closing																																						
Power supply	100 – 240 Vac 50/60 Hz	100 – 240 Vac 50/60 Hz																																						
Rated power	70 W	40 W																																						
Stand-by	8 W	8 W																																						
Rated load	40 Nm	20 Nm																																						
Protection Rating	IP 20	IP 20																																						
Parameter Settings	Buttons and Display	Buttons and Display																																						
Memory for settings and saving	Micro SD standard	Micro SD standard																																						
PC connection	Micro USB standard	Micro USB standard																																						

SW2 External dimensions



SW5 External dimensions



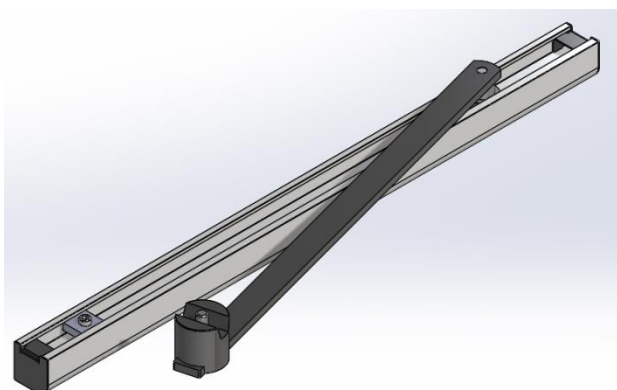
**SW5 standard
with Pull sliding Arm**



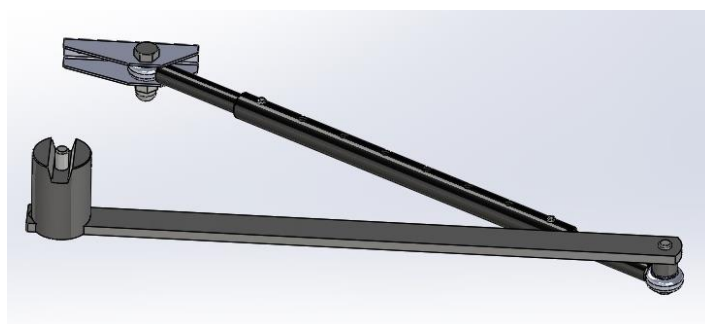
**SW5 double in one beam
with Push articulated arms**



Pull sliding Arm



Push articulated arm





Innovate to simplify

CE MARKING AND EUROPEAN STANDARD EN 16005



FACE automations are CE-marked designed and built in compliance with the European standard safety requirements EN 16005 and the following European directives: Machinery Directive (2006/42/EC), Electromagnetic Compatibility Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).

To make the system, use accessories and safety devices approved by FACE.

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

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

More information is available on-line technical manuals www.facespa.it.



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