

Tina

Specifications



MECHANICAL	SLIDING
Installation	Surface applied / Between walls / Against posts
Structure	Aluminium
Casing (H x D)	Standard 102 mm x 165 mm - Reinforced 102 mm x 212 mm
Passage width min/max	1 leaf: 750 / 1 800 mm 2 leaves: 900 / 2 900 mm
Maximum passage height	3 100 mm
Cover	3 parts (radar part centred on the passage)
Central radar cover (L)	300 mm
Cheeks	Shock resistant black polystyrene

PERFORMANCES

Leaf weight	1 x 140 kg / 2 x 120 kg	
Opening speed	1 leaf: 10 - 80 cm/s	2 leaves: 20 - 160 cm/s
Closing speed	1 leaf: 10 - 50 cm/s	2 leaves: 20 - 100 cm/s
Hold open time	1 to 25 s	
Opening force	6 to 15 daN	
Closing force	6 to 15 daN	

ELECTRICAL ENVIRONMENT

Power supply	Mains 50-60 Hz, 230 V ±10% with earth. Fuse 1.25 A
Maximum / (average) absorbed power	< 300 W / (50 W)
Motor voltage / Emergency battery	30 Vcc / 12 Vcc
Relative humidity	10 % to 93 % without condensation
Operating temperature	-20° C / +60° C

STANDARDS

CE	Electromagnetic compatibility: 2004/108/CE directive, Electrical security - Low voltage: 2006/95/CEE directive, Construction products: 89/106/CE - 93/68/CE directives, Machines: 2006/42/CE directive
EN 61000-6-3	EMC: emission for residential, commercial and light-industrial environments.
EN 61000-6-2	EMC: immunity for industrial environments
EN 60335-1	Safety of household and similar electrical appliances
EN 13849-1	Safety of machinery - Safety related parts of control systems.

NAVIBLU functionalities

Operating Mode selection	Door settings
Secure access using a code	- Door movement (speeds, torque, brakes)
Faults display	- Opening width (small, large, security)
Entries status diagnostics	- Time delay (radar units, openings, keys)
Historic consultation of defects, counters	- Locking, battery operation
IR receiver	- Inputs/Outputs parameterisation
Reset	- People With Reduced Mobility function, Standard running (C048, BS)

Equipment/Controls/Safeties

Emergency battery	● NAVIBLU control console	○
Fail Safe locking	○ IR receiver	○
Manual inside safety unlocking	○ M (Multifunction) infrared remote control	○
Positive Security locking	○ S (Simplified) infrared remote control	○
Anti-panic mechanical device (IME) conforming to C048	○ IR key	○
DAS card	○ 6-position key selector (with Reset)	○
Airlock management card	○ Inputs Module (NO/NC) / Outputs Module (4 switches)	○
Inside radar (NO, NC, self-controlled) and Outside radar Ext (NO, NC)	○ Opening/Closing safeties (NO, NC, IR barrier x2, IR curtain x4)	○
RAL lacquer finish, AS1, Anodised - colour (As standard)	○ Special lacquering, stainless steel (On request)	●

● Standard ○ Option

Sliding door Tina



Compact drive unit (10 cm)
NAVIBLU graphical interface with LCD screen
Great ease of control
Easy installation

The **TINA** concept is improving for increased security and flexibility of use. Discover the functionalities of **TINA2**; Its easy use is closely linked to the astonishing agility of NAVIBLU.

This new range of doors, which are easy to use, and are designed for quick installation, provides the ideal solution for people who want to enjoy the comfort of an automatic opening very easily. Their elegant design and slim casing enable them to be harmoniously integrated into any location.

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SWISSTECH
AUTOMATIC DOOR

www.swisstechautodoor.com.sg



TINA redefines the concept for a high-performance automatic door that is practical and easy to install.

TINA is available as single or double sliding versions, with or without side screens.

Its performance characteristics and its flexibility make it a reference in its class: **its compact 10 cm drive unit** moves heavy leaves weighing up to **2 x 120 kg**.

The removable covers on both sides of the detector cover provide easy access to the drive unit without disrupting the door's operation or the detection system.



Comprehensive equipment that is completely convenient and provides full operational safety for users:

All the standard functions are accessible and can be parameterised without any specific tool. The user can use simplified or multi-functional control systems depending on his or her needs.

NAVIBLU, which is a real control console, is available on **TINA2** door, opening up the possibility of new functionalities and making it very easy to control and parameterise.



Profiles

To better meet the requirements of each application, the **TINA** doors frames are available in different ranges of profiles: LUMINA All glass or with thin profiles, **G25** or **G38** profiles.

These profiles ranges are especially designed to comply with the safety standards in force (ex: finger trapped in the door). The standard frames are mounted with a neoprene seal (non-silicon) that enables the glass to be replaced quickly.

The **G38** range is a robust solution which makes thick isolating **glazing up to 26 mm** possible. A key locking (European cylinder) can also be mounted with these profiles.

Controls and activation devices

To provide the optimal solution for your project, the product is offered with a large choice of controls and detection devices.

The ultra-high frequency radars provide completely discrete, reliable, high-performance detection. The self-controlled infrared barriers detect any presence in the passage or any obstacle preventing the door leaves from closing. Moreover, 2 safety terminal strips can be used independently to manage safety while the door is opening and closing.

Inputs/Outputs modules offer even greater flexibility whilst enabling additional systems to be connected (NO/NC, indoor and outdoor IR barriers and curtains).

LUMINA
All glass

LUMINA
Thin profiles

The G25

The G38



NAVIBLU, a real control console

Fitted with a wide LCD screen offering a high level of brightness, **NAVIBLU** can be installed directly onto the casing, or located remotely on a wall. It communicates with the door in a highly universal language, consisting solely of pictograms, figures and international measuring units.

NAVIBLU is equipped with an IR receiver enabling IR keys or IR remote control to be learnt (up to 20). The S remote control makes it possible to control the display unit from a distance, with the same browsing possibilities as when you are using the display unit itself.

Access to the various functions is instantaneous and is very easy to use thanks to a single navigation button (choice of operating modes, settings of the door, historic consultation of defects and counters, automatic entries diagnosis, etc.).

Plug and play pre-cabled, pre-mounted sub-units

The **TINA** operator is designed based on independent modules that are connected to a single, compact logic group. Pre-cabled, pre-mounted sub-units facilitate installing it. The lock and the motor have a plug and play function, then they are automatically recognised when connected.

Motor/Locking/Fail safe locking Group

- A bi-stable electric lock secures the door leaves when closing a shop at the end of the day. It also allows a secure opening for an all-night pharmacy.
- For buildings offering overnight accommodation, a fail safe lock is available that opens the door leaves in the event of an emergency, in accordance with the regulations in force concerning public buildings.

Logic Group

- An emergency battery ensures that the door can operate in case of power failure.
- The Inputs/Outputs modules offer a high degree of flexibility, making it possible to connect IR curtains and barriers, or any other sort of NO/NC system: controls for air conditioning systems, metal curtains, access control systems, door code keypad controls, etc. TINA2 is equipped with a function for disabled people that complies with the Accessibility regulation issued by the SNFPSA (French National Association for Shutters, Sun Protection and Related Professions). Any audio or visual signalling device can be connected, which provides greater convenience and safety for users with visual or hearing impairments.
- In accordance with French regulation C048, an elastic device opens the door without using any external energy source.



NAVIBLU



Remote control S



Multi-function remote control



Infrared key



6-position key selector



JANUS / COLIBRI detectors



Active infrared security